



Angiospermic Plants of Terai region, Uttar Pradesh, India

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(Published by Research Trend, Website: www.biobulletin.com)

(Received 03 September 2018; Accepted 25 November 2018)

ABSTRACT: The paper deals with an account of angiospermic plants occurring in terai region, Uttar Pradesh, India. The results have indicated that a total of 1753 species and 40 infraspecific taxa belonging to 845 genera and 165 families are found in the region. An analysis has indicated that Poaceae is the most dominant family and *Cyperus* is the most dominant genus in the region. Moreover, eight taxa are endemic while 110 taxa are rare in the region. In addition, 10 species viz., *Illicium griffithii* Hook.f. & Thomson, *Cyperus cephalotes* Vahl, *Cyperus pulcherrimus* Willd. ex Kunth, *Fimbristylis aphylla* Steud., *Scleria annularis* Steud., *Scleria terrestris* (L.) Fassett, *Coelachne simpliciuscula* (Wight & Arn. ex Steud.) Munro ex Benth., *Echinochloa picta* (J.Koenig) P.W.Michael, *Eragrostis patula* (Kunth) Steud. and *Oryza minuta* J.Presl ex K. Presl are reported as new records for the state of Uttar Pradesh.

Keywords: Angiosperms, Terai region, Uttar Pradesh, India

How to cite this article: Khanna, K. K. (2018). Angiospermic Plants of Terai region, Uttar Pradesh, India. *Bio Bulletin*, 4(2): 26-102.

INTRODUCTION

The terai region in Uttar Pradesh, India lies along the foothills of Himalayas covering 21 districts of the state viz., Saharanpur, Muzaffarnagar, Bijnor, Moradabad, Rampur, Bareilly, Pilibhit, Shahjahanpur, Kheri (Lakhimpur), Sitapur, Bahraich, Shravasti, Balrampur, Gonda, Sidharthnagar, Basti, Sant Kabir Nagar, Maharajganj, Gorakhpur, Kushinagar and Deoria (Fig. 1). The entire region is situated between 28°45'–26°15' N and 079°51'–084°24' E at an altitude ranging from 100 – 400 m above mean sea level and covers an area of about 64,520 sq km. The region is bordered in the north by Nepal country and Uttarakhnad state, in the south by the remaining districts of Uttar Pradesh, in the east by Bihar state and in the west by Haryana state. The climate of the area is typically of monsoon type where there is prominence of dew formation. The winter season starts from November and continues up to February with minimum temperature of about 4°C. This is followed by autumn, summer and rainy seasons. During summer season the day temperature goes up to 40-42°C but the night is not so hot and a little pleasant. The entire area experiences western hot waves from March to May. Usually the monsoon starts from the month of June and continues up to September.

Sometimes, October, January and February also experience occasional rains. The average annual rainfall varies from 1,090 to 1,230 mm. The entire region is covered by various types of forests and the total forest cover is about 5,406 sq km which is 8.378 % of the total geographical area of the region. The region is typical in the sense as elements of subhimalayan tracts and gangetic plains intermix together thus providing ecotone zone. Due to rich biodiversity one national park and six wildlife sanctuaries have been declared in the region. The entire region is also traversed by a number of lakes and ponds which remain full of water throughout the year. Simultaneously, a number of large drains and hilly rivulets also occur which usually remain dry but get flooded during rainy season. At various places the banks of the drains are very high and show soil erosion due to flood. The soil in the drains and rivulets is sandy. Otherwise, the soil is typical of terai which is very fertile, clayey in composition and has high water retaining capacity.

A perusal of literature indicates that although a number of investigators (Duthie, 1903-1929; Kanjilal, 1933; Panigrahi and Saran, 1967; Panigrahi *et al.*, 1969; Srivastava, 1976; Singh, 1997; Saini, 2005; Singh, 2006, 2007; Pandey *et al.*, 2008; Maliya and Datt, 2010; Maliya, 2012; Kumar *et al.*, 2015; Bajpai *et al.*, 2015;

Khanna, 2009, 2015a, 2015b, 2015c) have worked out the angiospermic plants of various parts of the region but no consolidated effort has been made to work out the angiospermic plants of terai region of Uttar Pradesh as a whole. Hence, it has been considered worthwhile to study the angiospermic plants of the region and the results are presented in the paper. It is worth mentioning here that the Convention on Biological Diversity (CBD) and the Biological Diversity Bill 2000 of our country have also laid emphasis on the inventorisation of the special ecoregion (rich biodiversity areas) so that a fair assessment can be made for the sustainable utilization of their bioresources.

Forests of study region

The forests of the terai region, Uttar Pradesh may be categorized into eight groups in accordance to the classification of Champion & Seth (1968).

- (1) Sal forest ($5B/C_1b$)
- (2) Northern dry mixed deciduous forest ($5B/C_2$)
- (3) Terminalia alata forest ($3/E_1$)
- (4) Aegle forest ($5/E_6$)
- (5) Khair-sissoo forest ($5/S_2$)
- (6) Jamun (*Syzygium cumini*) forest ($4D/SS_3$)
- (7) Cane brakes ($1/E_1$)
- (8) Barringtonia swamp forest ($4D/SS_2$)

(1) Sal forest ($5B/C_1b$): *Shorea robusta* Roxb. ex C.F.Gaertn. is the dominant species and is often associated with *Terminalia alata* Heyne ex Roth. Other associated species are *Haldina cordifolia* (Roxb.) Ridsdale, *Aegle marmelos* (L.) Corrêa, *Terminalia bellirica* (Gaertn.) Roxb., *Mallotus philippensis* (Lam.) Müll.Arg., *Mitragyna parvifolia* (Roxb.) Korth., *Holarrhena pubescens* (Buch.-Ham.) Wall. ex G.Don and *Lannea coromandelica* (Houtt.) Merr. At places thick undergrowth of *Helicteres isora* L., *Murraya koenigii* (L.) Spreng., *Catunaregam spinosa* (Thunb.) Tirveng., *Glycosmis pentaphylla* (Retz.) DC., *Clerodendrum infortunatum* L. and *Flemingia chappar* Buch.-Ham. ex Benth. occurs. Common climbers in such type of forests are *Bauhinia vahlii* Wight & Arn., *Dregea volubilis* (L.f.) Benth. ex Hook.f., *Millettia extensa* (Benth.) Baker and *Tiliacora acuminata* (Lam.) Hook.f. & Thomson. Herbaceous flora generally comprises of *Sida cordata* (Burm.f.) Borss., *Desmodium gangeticum* (L.) DC., *Elephantopus scaber* L., *Cyanthillium cinereum* (L.) H.Rob., *Elytraria acaulis* (L.f.) Lindau, *Nelsonia canescens* (Lam.) Spreng., *Celosia argentea* L., *Zingiber capitatum* Roxb., *Z. roseum* (Roxb.) Roscoe, *Curculigo orchioides* Gaertn. and *Chlorophytum tuberosum* (Roxb.) Baker. Some of the common grasses are *Apluda mutica* L., *Cymbopogon martini* (Roxb.) W.Watson, *Dactyloctenium aegyptium* (L.) Willd., *Eleusine indica* (L.) Gaertn., *Eulaliopsis binata* (Retz.) C.E.Hubb., *Heteropogon contortus* (L.) P.Beauv. ex Roem. & Schult., *Ischaemum rugosum* Salisb., *Rottboellia cochinchinensis* (Lour.) W.D.Clayton and *Themeda quadrivalvis* (L.) Kuntze.

(2) Northern dry mixed deciduous forest ($5B/C_2$): This type of forest is characterized by a mixture of trees in the upper canopy which are deciduous. The common trees are *Sterculia urens* Roxb., *Schleichera oleosa* (Lour.) Merr., *Lannea coromandelica* (Houtt.) Merr., *Mitragyna parvifolia* (Roxb.) Korth., *Diospyros melanoxylon* Roxb., *Haldina cordifolia* (Roxb.) Ridsdale, *Wrightia arborea* (Dennst.) Mabb., *Holoptelea*

integrifolia (Roxb.) Planch., *Dendrocalamus strictus* (Roxb.) Nees, etc. Shrubby undergrowth mainly comprises of *Grewia helicterifolia* Wall. ex G.Don, *Caesalpinia bonduc* (L.) Roxb., *Ardisia solanacea* Roxb., *Jatropha gossypifolia* L., *Phoenix acaulis* Roxb., etc. Common climbers in the forest are *Mimosa himalayana* Gamble, *Combretum album* Pers., *Cryptolepis dubia* (Burm.f.) M.R.Almeida, *Ichnocarpus frutescens* (L.) R.Br., *Dregea volubilis* (L.f.) Benth. ex Hook.f., *Smilax perfoliata* Lour. and *Dioscorea bulbifera* L. Ground flora chiefly comprises of *Crotalaria albida* Heyne ex Roth, *Clerodendrum infortunatum* L., *Solanum incanum* L., *Barleria cristata* L., *Desmodium gangeticum* (L.) DC., *Uria lagopus* DC., *Blumea laciniata* (Roxb.) DC., *Elephantopus scaber* L., *Dicliptera chinensis* (L.) Juss., *Rungia pectinata* (L.) Nees, *Aerva sanguinolenta* (L.) Blume, *Habenaria plantaginea* Lindl., *Zingiber capitatum* Roxb., *Curculigo orchioides* Gaertn., *Chlorophytum tuberosum* (Roxb.) Baker, etc. Besides, a number of grasses, such as *Apluda mutica* L., *Bothriochloa bladhii* (Retz.) S.T.Blake, *Cymbopogon martini* (Roxb.) W.Watson, *Oplismenus burmanni* (Retz.) P.Beauv., *Enteropogon dolichostachyus* (Lag.) Keng, *Heteropogon contortus* (L.) P.Beauv. ex Roem. & Schult., *Imperata cylindrica* (L.) Raeusch. and *Pennisetum glaucum* (L.) R.Br. are also found.

(3) Terminalia alata forest ($3/E_1$): *Terminalia alata* Heyne ex Roth is fairly common in sal forests but sometimes extending over fairly larger areas. In the understorey smaller trees of *Terminalia alata* Heyne ex Roth, *Syzygium cumini* (L.) Skeels, *Mallotus philippensis* (Lam.) Müll.Arg., *Helicteres isora* L. and *Kydia calycina* Roxb. occur. Ground flora comprises of *Clerodendrum infortunatum* L. and coarse grasses like *Heteropogon contortus* (L.) P.Beauv. ex Roem. & Schult., *Imperata cylindrica* (L.) Raeusch. and *Eulaliopsis binata* (Retz.) C.E.Hubb.

(4) Aegle forest ($5/E_6$): *Aegle marmelos* (L.) Corrêa forms the dominant tree species. Other species like *Ziziphus xylopyra* (Retz.) Willd., *Lannea coromandelica* (Houtt.) Merr., *Acacia catechu* (L.f.) Willd., *Haldina cordifolia* (Roxb.) Ridsdale and *Diospyros melanoxylon* Roxb. are occasionally found.

(5) Khair-sissoo forest ($5/S_2$): Dominant species are *Acacia catechu* (L.f.) Willd. and *Dalbergia sissoo* Roxb. In addition, *Bombax ceiba* L., *Tamarix dioica* Roxb. ex Roth, *Calotropis gigantea* (L.) R.Br., *C. procera* (Aiton) R.Br. and *Acacia nilotica* (L.) Delile subsp. *indica* (Benth.) Brenan are also common.

(6) Jamun (*Syzygium cumini*) forest ($4D/SS_3$): These are areas where vegetation is purely of *Syzygium cumini* (L.) Skeels having high crop density and often mixed with *Bischofia javanica* Blume, *Albizia lebbeck* (L.) Benth., *Ficus racemosa* L., *Putranjiva roxburghii* Wall. and *Lannea coromandelica* (Houtt.) Merr.

(7) Cane brakes ($1/E_1$): Cane brakes occur in hollows on soil which is more or less permanently wet. Most common and dominant species is *Calamus tenuis* Roxb. Besides, *Barringtonia acutangula* (L.) Gaertn. and *Phragmites karka* (Retz.) Trin. ex Steud. are usually found in fringes of fresh water swamps.

(8) Barringtonia swamp forest ($4D/SS_2$): Common species in these forests are *Barringtonia acutangula* (L.) Gaertn., *Syzygium cumini* (L.) Skeels, *Trewia nudiflora* L., *Bombax ceiba* L., *Ficus racemosa* L., *Streblus asper*

Lour., *Calamus tenuis* Roxb. and *Phragmites karka* (Retz.) Trin. ex Steud.

Besides, there is plantation of *Tectona grandis* L.f. and *Eucalyptus tereticornis* Sm. in a number of pockets throughout the region.

Aquatic Vegetation of study region

The region is rich in various seasonal and perennial water bodies like streams, ponds, wetlands and depressions which result in the development of a variety of aquatic, semi-aquatic and wetland plants. These have been categorized as given below.

(i) **Floating hydrophytes:** *Utricularia gibba* subsp. *exoleta* (R.Br.) P.Taylor, *Eichhornia crassipes* (Mart.) Solms, *Hygroryza aristata* (Retz.) Nees ex Wight & Arn.

(ii) **Anchored submerged hydrophytes:** *Hydrilla verticillata* (L.f.) Royle, *Potamogeton crispus* L., *P. nodosus* Poir., *Ottelia alismoides* (L.) Pers., *Vallisneria spiralis* L., *Aponogeton crispus* Thunb.

(iii) **Suspended hydrophytes:** *Ceratophyllum demersum* L., *Utricularia aurea* Lour.

(iv) **Anchored hydrophytes with floating leaves:** *Nelumbo nucifera* Gaertn., *Nymphaea nouchali* Burm.f., *N. pubescens* Willd., *Nymphoides hydrophylla* (Lour.) Kuntze, *Sagittaria guayanensis* Humb., Bonpl. & Kunth subsp. *lappula* (D.Don) Bogin, *S. trifolia* L.

(v) **Anchored hydrophytes with floating shoots:** *Ludwigia hyssopifolia* (G.Don) Exell, *L. octovalvis* (Jacq.) P.H.Raven, *Ipomoea aquatica* Forssk., *Paspalum vaginatum* Sw.

(vi) **Emergent anchored hydrophytes:** *Ranunculus sceleratus* L., *Aeschynomene indica* L., *Sesbania bispinosa* (Jacq.) W.Wight, *Rotala indica* (Willd.) Koehne, *Centella asiatica* (L.) Urban, *Oenanthe javanica* (Blume) DC., *Bacopa monnieri* (L.) Wettst., *Mazus pumilus* (Burm.f.) Steenis, *Phyla nodiflora* (L.) E.Greene, *Alternanthera sessilis* (L.) R.Br. ex DC., *Polygonum barbatum* L., *P. glabrum* Willd., *Gonostegia pentandra* (Roxb.) Miq., *Murdannia nudiflora* (L.) Brenan, *Cyanotis axillaris* (L.) D.Don ex Sweet, *Typha angustifolia* L., *Monochoria hastata* (L.) Solms, *Eleocharis atropurpurea* (Retz.) J.Presl & C.Presl, *Pycneus flavidus* (Retz.) T.Koyama, *P. pumilus* (L.) Nees, *Schoenoplectiella mucronata* (L.) J.Jung & H.K.Choi, *Eragrostis japonica* (Thunb.) Trin., *Oryza rufipogon* Griff., *Panicum paludosum* Roxb., *Paspalum scrobiculatum* L., *Vetiveria zizanioides* (L.) Nash.

(vii) **Wetland plants:** *Ammannia baccifera* L., *A. multiflora* Roxb., *Glinus lotoides* L., *Mollugo pentaphylla* L., *Eclipta prostrata* (L.) L., *Wahlenbergia marginata* (Thunb.) A.DC., *Canscora diffusa* (Vahl) R.Br. ex Roem. & Schult., *Heliotropium indicum* L., *H. strigosum* Willd., *Lindernia anagallis* (Burm.f.) Pennell, *L. ciliata* (Colsm.) Pennell, *L. crustacea* (L.) F.v.Muell., *Hygrophila auriculata* (Schumach.) Heine, *H. polysperma* (Roxb.) T.Anderson, *Justicia prostrata* (C.B.Clarke) Gamble, *Rungia pectinata* (L.) Nees, *Salvia plebeia* R.Br., *Polygonum plebeium* R.Br., *Habenaria plantaginea* Lindl., *Commelina forsskalii* Vahl, *Cyanotis axillaris* (L.) D.Don ex Sweet, *C. cristata* (L.) D.Don, *Cyperus compactus* Retz., *C. difformis* L., *C. distans* L.f., *C. rotundus* L., *Fimbristylis bisumbellata* (Forssk.) Bubani, *F. dichotoma* (L.) Vahl, *F. ovata* (Burm.f.) J.Kern, *Kyllinga brevifolia* Rottb., *Eragrostis*

atrovirens (Desf.) Trin. ex Steud., *E. gangetica* (Roxb.) Steud. and *E. uloloides* (Retz.) Nees ex Steud.

MATERIALS AND METHODS

The whole area of the region was surveyed during different seasons from 1986 to 2008. The specimens were collected, poisoned, correctly identified and housed in BSA. The present list of plants is primarily based on author's own collections, however, the relevant literature and herbaria of Botanical Survey of India, Central Regional Centre, Allahabad (BSA), Botanical Survey of India, Northern Regional Centre, Dehra Dun (BSD), Central National Herbarium (CAL), Forest Research Institute, Dehra Dun (DD), Central Drug Research Institute (CDRI) and National Botanical Research Institute, Lucknow (LWG) have also been consulted. All the taxa have been dealt with alphabetically under their corresponding families, and the families have been arranged according to Bentham and Hooker's system of classification (1862-1883). The botanical names are followed by vernacular (Vern.) name (if any), habitat, flowering and fruiting periods and distribution (district) under selected specimens with collector's name, collection number and acronym of herbarium. The nomenclature of majority of the taxa have been updated according to the version 1:1 of The Plant List A working list of all plant species (<http://www.theplantlist.org>) while of rest of the taxa according to the important revisionary works of India and recent literature.

RESULTS

Enumeration

Ranunculaceae

Clematis cadmia Buch.-Ham. ex Hook.f. & Thomson
Near water resources. *Fl. & Fr.*: December – June.
Selected specimens: Gorakhpur, P.C. Kanjilal 52608, 52609 (DD).

Clematis gouriana Roxb. ex DC. (Vern.: *Tisli baur*)
In sal and mixed forests. *Fl. & Fr.*: August – February.
Selected specimens: Bahraich, O.P. Misra 7926 (BSA); Gorakhpur, G. Panigrahi 1067 (BSA); Kheri, K.K. Singh 4287, 7273 (CDRI); Saharanpur, J.G. Srivastava & party 42830 (LWG).

Naravelia zeylanica (L.) DC.
In sal and mixed forests. *Fl. & Fr.*: October – February.
Selected specimens: Bahraich, K.K. Khanna & Ram Saran 38584 (BSA); Kheri, K.K. Singh 4254 (CDRI); Shrivasti, K.K. Khanna 59950, 65346 (BSA).

Ranunculus cantoniensis DC.
In wet and moist places. *Fl. & Fr.*: April – December.
Selected specimens: Bahraich, Hira Lal 13442 (LWG); Kheri, K.K. Singh 7164 (CDRI).

Ranunculus muricatus L.
In moist places. *Fl. & Fr.*: April – October. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 558 (BSD).

Ranunculus sceleratus L. (Vern.: *Jaldhania*)
In wet and moist places. *Fl. & Fr.*: February – April.
Selected specimens: Balrampur, K.K. Khanna 68141 (BSA); Gonda, K.K. Khanna & Ram Saran 39987 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10525 (CAL); Kheri, K.K. Singh 2810 (CDRI); Sant Kabir Nagar, K.K. Khanna 68554 (BSA); Shrivasti, K.K. Khanna 66691 (BSA).

Ranunculus trichophyllus Chaix ex Vill.

In ponds. *Fl. & Fr.*: April – August. Saharanpur (Duthie, *Fl. Gangetic Plain* 1: 19. 1903).

Thalictrum foliolosum DC.

In moist shady places. *Fl. & Fr.*: July – October. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1834 (BSD).

Dilleniaceae

Dillenia aurea Sm. (Vern.: *Aggai*)

In mixed forests. *Fl. & Fr.*: March – June. *Selected specimens*: Bahraich, V. Chandra & party 11962 (LWG); Gonda, V. Chandra & party 12446 (LWG); Gorakhpur, Harsukh 21380 (DD).

Dillenia indica L. (Vern.: *Chalta*)

In mixed forests. *Fl. & Fr.*: May – February. *Selected specimens*: Gorakhpur, S.K. Bose 37 (LWG); Kheri, K.K. Singh 7519 (CDRI); Pilibhit, C.L. Malhotra 42440 (CAL).

Dillenia pentagyna Roxb. (Vern.: *Aggai, Kallai*)

In mixed forests. *Fl. & Fr.*: March – June. *Selected specimens*: Bahraich, Hira Lal 13475 (LWG); Balrampur, Hira Lal 446 (LWG); Gorakhpur, J.K. Maheshwari 81546 (LWG); Kheri, Haines 2106 (DD); Shravasti, K.K. Khanna 68743 (BSA).

Magnoliaceae

Magnolia grandiflora L.

Cultivated in gardens. *Fl. & Fr.*: March – May. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1430 (BSD).

Illiciaceae

Illicium griffithii Hook.f. & Thomson

Cultivated. *Fl. & Fr.*: April – October. *Selected specimen*: Rampur, K.N. Kaul 66862 (LWG).

Annonaceae

Annona reticulata L. (Vern.: *Ramphal*)

Cultivated. *Fl. & Fr.*: April – December. Bahraich (Saini in *J. Econ. Taxon. Bot.* 29 (3): 534. 2005).

Annona squamosa L. (Vern.: *Saripha, Sitaphal*)

Cultivated. *Fl. & Fr.*: July – December. *Selected specimens*: Balrampur, K.K. Khanna & Ram Saran 37235; Gonda, K.K. Khanna & Ram Saran 39183 (BSA); Kheri, G. Saran & party 26124 (LWG).

Artabotrys hexapetalus (L.f.) Bhandari

Cultivated. *Fl. & Fr.*: July – February. Bahraich (Saini in *J. Econ. Taxon. Bot.* 29 (3): 534. 2005).

Milium tomentosa (Roxb.) Finet & Gagnep. (Vern.: *Barikari*)

In mixed and sal forests. *Fl. & Fr.*: March – June. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37108 (BSA); Gonda, Harsukh 21543 (DD); Kheri, G. Saran & party 26444 (LWG).

Milium velutina (Dunal) Hook.f. & Thomson (Vern.: *Kari*)

In mixed forests. *Fl. & Fr.*: March – August. *Selected specimens*: Gonda, Harsukh 21395 (DD); Kheri, K.K. Singh 7346 (CDRI); Pilibhit, Inayat 21374 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1804 (BSD).

Polyalthia longifolia (Sonn.) Thwaites (Vern.: *Ashok*)

Planted almost throughout the region. *Fl. & Fr.*: March – September. *Selected specimen*: Shravasti, K.K. Khanna 67877 (BSA).

Polyalthia suberosa (Roxb.) Thwaites

In mixed forests. *Fl. & Fr.*: May – December. *Selected specimens*: Bahraich, Hira Lal 13405 (LWG); Gonda, V.

Chandra & party 12435 (LWG); Kheri, K.K. Singh & party 8438 (CDRI); Saharanpur, M.A. Rau 14662 (BSD).

Uvaria hamiltonii Hook.f. & Thomson

In mixed forests. *Fl. & Fr.*: May – September. *Selected specimen*: Gorakhpur, P.C. Kanjilal 2479 (DD).

Menispermaceae

Anamirta cocculus (L.) Wight & Arn.

In deciduous forests. *Fl. & Fr.*: September – February. *Selected specimens*: Balrampur, S.K. Malhotra 12177 (BSD); Gorakhpur, M.A. Rau 12318 (BSD).

Cissampelos pareira L. (Vern.: *Batulia*)

In mixed and deciduous forests. *Fl. & Fr.*: July – December. *Selected specimens*: Balrampur, K.K. Khanna 54911 (BSA); Gorakhpur, M.A. Rau 12329 (BSD); Kheri, C.L. Malhotra 22861 (BSD); Shravasti, K.K. Khanna 36877 (BSA).

Cocculus hirsutus (L.) Diels (Vern.: *Karsane*)

On shrubs in deciduous forests, sometimes in wastelands. *Fl. & Fr.*: September – May. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38711 (BSA); Balrampur, K.K. Khanna & Ram Saran 39094, 39933 (BSA); Basti, K.K. Khanna 65681 (BSA); Gonda, K.K. Khanna 68427 (BSA); Kheri, C.L. Malhotra 31562 (BSD); Maharajganj, K.K. Khanna 68052 (BSA).

Cocculus laurifolius DC.

In deciduous forests. *Fl. & Fr.*: March – August. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 167 (BSD).

Stephania glabra (Roxb.) Miers

In mixed forests. *Fl. & Fr.*: May – December. *Selected specimen*: Saharanpur, Y.S. Murty & A. K. Goel 1840 (BSD).

Stephania japonica (Thunb.) Miers

Along roadsides and forest margins. *Fl. & Fr.*: July – January. Bahraich (Saini in *J. Econ. Taxon. Bot.* 29 (3): 535. 2005).

Tiliacora acuminata (Lam.) Hook.f. & Thomson (Vern.: *Karawanth*)

In mixed forests. *Fl. & Fr.*: July – December. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37695 (BSA); Gonda, K.K. Khanna & Ram Saran 37325 (BSA); Kheri, U. Shukla 69818 (BSD).

Tinospora cordifolia (Willd.) Hook.f. & Thomson (Vern.: *Gurich*)

On shrubs and trees in mixed forests and also on roadsides. *Fl. & Fr.*: August – March. *Selected specimens*: Bahraich, S. Ram 52570 (DD); Basti, K.K. Khanna 36827 (BSA); Gonda, K.K. Khanna 65248 (BSA); Gorakhpur, K.K. Singh & party 6113 (LWG); Kheri, Inayat 21672 (CAL); Maharajganj, K.K. Khanna 68064 (BSA); Shravasti, K.K. Khanna 67878 (BSA).

Tinospora sinensis (Lour.) Merr.

In deciduous forests. *Fl. & Fr.*: March – June. *Selected specimens*: Bahraich, V. Chandra & party 12354 (LWG); Gonda, K.K. Singh & party 6123 (LWG); Kheri, K.K. Singh 7569 (CDRI).

Nymphaeaceae

Euryale ferox Salisb. (Vern.: *Tal makhana*)

In ponds. *Fl. & Fr.*: June – November. *Selected specimens*: Bahraich, V. Chandra & party 11879 (LWG); Gorakhpur 66898-900 (LWG); Kheri, Inayat 21682a (DD).

Nymphaea nouchali Burm.f. (Vern.: *Kumudini*)

In ditches, ponds and water logged places. *Fl. & Fr.*: August – January. *Selected specimens*: Kheri, K.K.

Singh 7507 (CDRI), U. Shukla 70085 (BSD); Sant Kabir Nagar, K.K. Khanna 65503 (BSA); Shrivasti, K.K. Khanna 67879 (BSA).

Nymphaea pubescens Willd. (Vern.: Kumud)

In ditches, ponds and water logged places. *Fl. & Fr.*: August – December. *Selected specimens*: Sant Kabir Nagar, K.K. Khanna 65506 (BSA); Shrivasti, K.K. Khanna 67897 (BSA).

Nelumbonaceae

Nelumbo nucifera Gaertn. (Vern.: Kamal)

In ponds and lakes. *Fl. & Fr.*: April – October. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 37126 (BSA); Kheri, K.K. Singh 3007 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 961 (BSD); Sant Kabir Nagar, K.K. Khanna 67913 (BSA).

Papaveraceae

Argemone mexicana L. (Vern.: Bharbhanda)

In wastelands and along roadsides. *Fl. & Fr.*: February – October. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 37196 (BSA); Sant Kabir Nagar, K.K. Khanna 67914 (BSA).

Argemone ochroleuca Sweet

In wastelands. *Fl. & Fr.*: February – June. *Selected specimens*: Bahraich, C.L. Malhotra 26685 (BSD); Kheri, K.K. Singh 7610 (CDRI); Sitapur, C.L. Malhotra 31425 (BSD).

Papaver rhoeas L.

Cultivated. *Fl. & Fr.*: April – October. *Selected specimen*: Gorakhpur, K.K. Singh & party Acc. No. 785 (CDRI).

Fumariaceae

Fumaria indica (Hauskn.) Pugsley

In cultivated fields. *Fl. & Fr.*: December – March. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38720 (BSA); Gorakhpur, J.G. Srivastava & party 48342 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 587 (BSD); Sant Kabir Nagar, K.K. Khanna 67915 (BSA).

Brassicaceae

Arabidopsis thaliana (L.) Heynh.

In moist places. *Fl. & Fr.*: April – June. *Selected specimens*: Muzaffarnagar, R.C. Bharadwaja 8547 & 8548 (LWG), Satya Prakash 352 (LWG).

Brassica juncea (L.) Czern. (Vern.: Rai)

Cultivated in the region. *Fl. & Fr.*: March – May.

Brassica napus L.

Cultivated. *Fl. & Fr.*: November – February. *Selected specimen*: Bahraich, V. Chandra & party 12426 (LWG).

Brassica nigra (L.) K.Koch (Vern.: Kali-sarson)

Cultivated throughout the region and also found as an escape. *Fl. & Fr.*: December – May.

Brassica oleracea L.

Cultivated throughout the region. *Fl. & Fr.*: March – May.

Brassica rapa L. (Vern.: Sarson)

Cultivated throughout the region. *Fl. & Fr.*: December – March. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 37167 (BSA); Sant Kabir Nagar, K.K. Khanna 67916 (BSA).

Capsella bursa-pastoris (L.) Medik.

In cultivated fields. *Fl. & Fr.*: January – March. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1459 (BSD).

Eruca vesicaria (L.) Cav. (Vern.: Duan)

In cultivated fields and wastelands. *Fl. & Fr.*: January – September. *Selected specimens*: Kheri, K.K. Singh Acc.

No. 940 (CDRI); Moradabad, C.L. Malhotra 20312 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 2028 (BSD).

Lepidium didymum L.

Cultivated. *Fl. & Fr.*: January – April. *Selected specimens*: Bahraich, C.L. Malhotra 26660 (BSD); Kheri, K.K. Singh Acc. No. 897 (CDRI).

Nasturtium officinale R.Br.

Cultivated as an ornamental. *Fl. & Fr.*: February – May. *Selected specimen*: Saharanpur, Duthie s.n. (DD).

Raphanus sativus L. (Muli)

Cultivated throughout the region. *Fl. & Fr.*: January – April. *Selected specimen*: Bahraich, S.D. Maliya 225923 (LWG).

Rorippa indica (L.) Hiern

In moist places. *Fl. & Fr.*: April – June. *Selected specimens*: Kheri, K.K. Singh & party 4306 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 1705 (BSD); Sant Kabir Nagar, K.K. Khanna 67917 (BSA).

Capparaceae

Capparis sepiaria L.

In scrub forests. *Fl. & Fr.*: March – November. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 37132, 39941 (BSA); Saharanpur, Duthie 1817 (DD), Y.S. Murty & A.K. Goel 1802 (BSD); Sitapur, Mukherjee 19909 (LWG).

Capparis zeylanica L. (Vern.: Karlua)

Along roadsides and in scrub forests. *Fl. & Fr.*: February – October. *Selected specimens*: Bahraich, O.P. Misra 7709 (CAL); Balrampur, K.K. Khanna & Ram Saran 37222 (BSA); Gonda K.K. Khanna & Ram Saran 39938 (BSA); Kheri, Inayat 213919 (DD); Pilibhit, Inayat 21390 (DD); Sant Kabir Nagar, K.K. Khanna 67958 (BSA).

Crateva adansonii DC. subsp. *odora* (Buch.-Ham.) Jacobs

In deciduous forests. *Fl. & Fr.*: April – November. *Selected specimens*: Bahraich, Harsukh 21392 (DD); Saharanpur, U. Kanjilal 977 (DD).

Crateva religiosa G.Forst.

Along roadsides in mixed forests. *Fl. & Fr.*: April – August. Bahraich (Saini in J. Econ. Taxon. Bot. 29 (3): 539. 2005).

Crateva unilocularis Buch.-Ham.

In deciduous forests. *Fl. & Fr.*: July – October. *Selected specimen*: Bahraich, G. Panigrahi 2753 (BSA).

Cleomaceae

Cleome burmanii Wight & Arn.

In moist shady places. *Fl. & Fr.*: August – October. Bahraich (Saini in J. Econ. Taxon. Bot. 29 (3): 538. 2005).

Cleome gynandra L.

In wastelands. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, G. Panigrahi 6610 (BSA); Kheri, Inayat 21394 (DD); Sant Kabir Nagar, K.K. Khanna 67959 (BSA).

Cleome rutidosperma DC.

In moist shady places. *Fl. & Fr.*: July – November. Gorakhpur (Srivastava, Fl. Gorakhpurensis 346. 1976).

Cleome viscosa L. (Vern.: Hurhur)

In wastelands. *Fl. & Fr.*: July – November. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38674 (BSA); Gonda, K.K. Khanna & Ram Saran 37166, 39061 (BSA); Kheri, J.K. Maheshwari EBH-83 (LWG); Pilibhit, C.L. Malhotra 50904 (CAL); Shrivasti, K.K.

Khanna 48040 (BSA); Sant Kabir Nagar, K.K. Khanna 65532 (BSA).

Violaceae

Hybanthus enneaspermus (L.) F.Muell. (Vern.: Ratanparas)

In moist open places. *Fl. & Fr.*: October – January. *Selected specimens*: Bijnor, C.M. Arora 37114 (BSD); Gorakhpur, M.A. Rau 12335 (BSD); Kheri, K.K. Singh 7431 (CDRI).

Viola cinerea Boiss. var. **stocksii** (Boiss.) W.Becker
In moist places. *Fl. & Fr.*: April – October. *Selected specimen*: Bahraich, G. Panigrahi & O.P. Misra 8029 (BSA).

Viola macroceras Bunge

In moist grassy places. *Fl. & Fr.*: April – September. Saharanpur (Duthie, Fl. Gangetic Plain 1: 55. 1903).

Bixaceae

Bixa orellana L. (Vern.: Sinduriya)

Cultivated. *Fl. & Fr.*: October – January. *Selected specimen*: Balrampur, K.K. Khanna 65335 (BSA).

Cochlospermaceae

Cochlospermum religiosum (L.) Alston

Planted. *Fl. & Fr.*: December – June. Pilibhit (Kanjilal, For. Fl. Pilibhit Oudh Gorakhpur Bundelkhand 21. 1982, repr. ed.).

Flacourtiaceae

Casearia graveolens Dalzell (Vern.: Chilla)

In mixed forests. *Fl. & Fr.*: March – July. *Selected specimens*: Balrampur, S.K. Malhotra 12175 (BSD); Gorakhpur, Harsukh 21619 A (CAL).

Casearia tomentosa Roxb.

In mixed forests. *Fl. & Fr.*: March – July. *Selected specimens*: Bahraich, O.P. Misra 7739 (BSA); Gonda, K.K. Khanna & Ram Saran 37218 (BSA).

Flacourtia indica (Burm.f.) Merr. (Vern.: Kantia)

On the outskirts of forests. *Fl. & Fr.*: December – August. *Selected specimens*: Bahraich, O.P. Misra 7899 (BSA); Balrampur, K.K. Khanna 67881 (BSA); Bijnor, Akhtar 83023 (BSD); Gorakhpur, Harsukh 21384 (DD); Kheri, K.K. Singh 7594 (CDRI); Sitapur, G. Saran & party 26860 (LWG).

Flacourtia jangomas (Lour.) Raeusch.

In mixed forests. *Fl. & Fr.*: March – October. *Selected specimen*: Saharanpur, R.N. Parker 7970 (DD).

Xylosma longifolia Clos (Vern.: Kattari)

In khair-sissoo forests. *Fl. & Fr.*: October – March. *Selected specimens*: Gonda, Gamble 23989 (DD); Gorakhpur, G. Panigrahi & Ram Saran 10704 (BSA); Kheri, K.K. Singh & party 7905 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 1854 (BSD).

Pittosporaceae

Pittosporum napaulense (DC.) Rehder & E.H. Wilson

On hill slopes. *Fl. & Fr.*: March – December. *Selected specimen*: Saharanpur, R.N. Parker 6741 (DD).

Polygalaceae

Polygala arvensis Willd.

In grassy fields. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Balrampur, K.K. Khanna 67882 (BSA); Pilibhit, C.L. Malhotra 42777 (CAL).

Polygala chinensis L.

In shady wastelands. *Fl. & Fr.*: July – December. *Selected specimens*: Gonda, M.A. Rau 12095 (BSD), Kheri, C.L. Malhotra 23515 (BSD).

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Polygala crotalarioides Buch.-Ham. ex DC.

In sal forests. *Fl. & Fr.*: July – December. *Selected specimens*: Gorakhpur, Harsukh 21695 (DD); Kheri, K.K. Singh 7312 (CDRI); Pilibhit, Inayat 25854 (DD).

Polygala erioptera DC.

In moist wastelands. *Fl. & Fr.*: Almost throughout the year. *Selected specimen*: Kheri, K.K. Singh 3019 (CDRI).

Polygala furcata Royle

In forest floors and along drains. *Fl. & Fr.*: August – November. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 885 (BSD).

Caryophyllaceae

Arenaria serpyllifolia L.

In moist places. *Fl. & Fr.*: March – October. *Selected specimen*: Bijnor, Akhtar Acc. No. 82843 (BSD).

Dianthus chinensis L.

Commonly cultivated in gardens. *Fl. & Fr.*: February – March.

Drymaria cordata (L.) Willd. ex Schult. subsp. **diandra** (Blume) J.A. Duke

In moist shady places. *Fl. & Fr.*: September – December. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1812 (BSD).

Polycarpaea corymbosa (L.) Lam.

In moist places. *Fl. & Fr.*: August – February. *Selected specimens*: Bijnor, J.P. Sharma 67299 (BSD); Kheri, K.K. Singh & party 7449 (CDRI); Pilibhit, C.L. Malhotra 42528 (CAL).

Polycarpon prostratum (Forssk.) Asch. & Schweinf.

In moist places. *Fl. & Fr.*: April – June. *Selected specimens*: Bahraich, M.A. Rau 8208 (BSD); Gonda, K.K. Khanna & Ram Saran 37142, 37318 (BSA); Kheri, K.K. Singh 8342 (CDRI); Moradabad, H.L. Prasad 79966 (BSD); Pilibhit, C.L. Malhotra 50686 (CAL); Sant Kabir Nagar, K.K. Khanna 67960 (BSA).

Spergula arvensis L.

In moist places. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Balrampur, K.K. Khanna 67883 (BSA); Gonda, K.K. Khanna 46040 (BSA); Sant Kabir Nagar, K.K. Khanna 67961 (BSA).

Spergula fallax (Lowe) E.H.L. Krause

In cultivated fields. *Fl. & Fr.*: December – April. *Selected specimens*: Pilibhit, C.L. Malhotra 38376 (CAL); Saharanpur, J.S. Gamble 24479 (CAL).

Stellaria media (L.) Vill.

In moist places. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Moradabad, C.L. Malhotra 20320 (BSD); Saharanpur, Duthie s.n. (DD), J.V.S. Rao 40020 (BSD).

Vaccaria hispanica (Mill.) Rauschert

In cultivated fields. *Fl. & Fr.*: February – April. *Selected specimens*: Bahraich, C.L. Malhotra 23662 (BSD); Moradabad, C.L. Malhotra 20334 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1426 (BSD).

Portulacaceae

Portulaca oleracea L. (Vern.: Kulfa)

In moist places of wastelands, also cultivated. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 37164 (BSA), K.K. Khanna 39994 (BSA); Sant Kabir Nagar, K.K. Khanna 67975 (BSA).

Portulaca quadrifida L. (Vern.: Nuniya)

In moist places. *Fl. & Fr.*: Almost throughout the year. *Selected specimen*: Saharanpur, Jameson s.n. (BSD).

Tamaricaceae

Tamarix dioica Roxb. ex Roth (Vern.: *Jharu, Jhau*)

In dried river beds along mixed forests. *Fl. & Fr.*: June – January. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37675 (BSA); Gorakhpur, C.L. Malhotra 12189 (BSD); Kheri, K.K. Singh 8562 (CDRI); Pilibhit, C.L. Malhotra 42316 (BSD); Shrivasthi, K.K. Khanna 66678 (BSA).

Tamarix ericoides Rottler & Willd.

In dried river beds. *Fl. & Fr.*: November – March. *Selected specimen*: Gorakhpur, J.G. Srivastava & party 48340 (LWG).

Tamarix indica Willd.

In dried river beds. *Fl. & Fr.*: September – November. *Selected specimen*: Bahraich, O.P. Misra 8012 (BSA).

Elatinaceae

Bergia ammannioides Roxb. ex Roth

In moist places. *Fl. & Fr.*: March – December. *Selected specimens*: Bahraich, P. Singh 16525 (LWG); Balrampur, K.K. Khanna 67884 (BSA); Gonda, G.S. Srivastava & party 61410 (LWG); Gorakhpur, J.G. Srivastava 48361 (LWG); Kheri, U. Shukla 69956 (BSD); Sitapur, G. Saran & party 26307 (LWG); Sant Kabir Nagar, K.K. Khanna 67962 (BSA).

Hypericaceae

Hypericum oblongifolium Choisy

In mixed forests. *Fl. & Fr.*: Almost throughout the year. *Selected specimen*: Saharanpur, J.V.S. Rao 38946 (BSD).

Dipterocarpaceae

Shorea robusta Roxb. ex C.F. Gaertn. (Vern.: *Sal, Shakhu*)

In sal forests. *Fl. & Fr.*: March – July. *Selected specimens*: Bahraich, G. Panigrahi 2898 (BSA); Balrampur, K.K. Khanna 67885 (BSA); Gonda, K.K. Khanna & Ram Saran 37176, 37182 (BSA); Gorakhpur, K.K. Singh & party 6935 (LWG); Kheri, C.L. Malhotra 31475 (BSD); Pilibhit, Inayat 21449 (CAL); Saharanpur, Y.S. Murty & A.K. Goel 1622 (BSD).

Malvaceae

Abelmoschus crinitus Wall.

As forest undergrowth. *Fl. & Fr.*: July – December. *Selected specimens*: Bijnor, V. Chandra & party 43514, 43859 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 877 (BSD).

Abelmoschus esculentus (L.) Moench (Vern.: *Bhindi*)
Cultivated throughout the region. *Fl. & Fr.*: February – October. *Selected specimen*: Balrampur, K.K. Khanna 67886 (BSA).

Abelmoschus ficulneus (L.) Wight & Arn. ex Wight
Along roadsides. *Fl. & Fr.*: September – November. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1902 (BSD).

Abelmoschus manihot (L.) Medik.

subsp. *manihot*

In mixed forests. *Fl. & Fr.*: August – January. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 39105 (BSA); Pilibhit, C.L. Malhotra 51043 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1892 (BSD).

subsp. *tetraphyllus* var. *pungens* (Roxb.) Hochr.

In mixed and sal forests. *Fl. & Fr.*: August – December. *Selected specimen*: Bahraich, G. Panigrahi & O.P. Mishra 6590 (BSA).

Abutilon hirtum (Lam.) Sweet

Along roadsides. *Fl. & Fr.*: September – November. *Selected specimen*: Gonda, Sri Ram 2107 (DD).

Abutilon indicum (L.) Sweet (Vern.: *Kanghi*)

In wastelands. *Fl. & Fr.*: August – March. *Selected specimens*: Bahraich, M.A. Rau 8184 (BSD); Balrampur, K.K. Khanna & Ram Saran 37190 (BSA); Basti, K.K. Khanna 36833 (BSA); Deoria, K.K. Khanna 66556 (BSA); Gonda, K.K. Khanna 46046 (BSA); Kushinagar, K.K. Khanna 66580 (BSA); Sant Kabir Nagar, K.K. Khanna 65580 (BSA); Sidharthnagar, K.K. Khanna 65435 (BSA).

Abutilon ramosum (Cav.) Guill. & Perr.

In mixed forests. *Fl. & Fr.*: August – March. *Selected specimen*: Bahraich, S.D. Maliya 225977 (LWG).

Abutilon theophrasti Medik.

In shady places of mixed forests. *Fl. & Fr.*: May – August. *Selected specimen*: Gorakhpur, Sri Ram 132 (DD).

Gossypium arboreum L. (Vern.: *Kapas*)

Cultivated. *Fl. & Fr.*: January – April. *Selected specimens*: Bahraich, O.P. Mishra 7855 (CAL); Gorakhpur, Harsukh 21603 (DD); Kheri, Inayat 21604 (DD).

Gossypium hirsutum L. (Vern.: *Kapas*)

Cultivated. *Fl. & Fr.*: October – March. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 39131 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 865 (BSD).

Hibiscus cannabinus L. (Vern.: *Patsan, Patua*)

Cultivated, also found as an escape. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38676 (BSA); Kheri, J.K. Maheshwari & party EBH-290 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 252 (BSD).

Hibiscus hirtus L.

Along roadsides. *Fl. & Fr.*: September – December. *Selected specimen*: Moradabad, Acc. No. 54886 (CAL).

Hibiscus lobatus (Murray) Kuntze

In shady places along roadsides and grassy fields. *Fl. & Fr.*: August – November. *Selected specimens*: Bijnor, Akhtar Acc. No. 83053 (BSD); Kheri, U. Shukla 70051 (BSD); Pilibhit, C.L. Malhotra 50771 (BSD).

Hibiscus mutabilis L.

Planted in gardens. *Fl. & Fr.*: September – December. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 979 (BSD).

Hibiscus radiatus Cav.

On the outskirts of mixed forests. *Fl. & Fr.*: October – November. *Selected specimen*: Gonda, K.K. Khanna & Ram Saran 38759 (BSA).

Hibiscus rosa-sinensis L. (Vern.: *Gurhal*)

Cultivated throughout the region. *Fl.*: Throughout the year. *Selected specimens*: Balrampur, K.K. Khanna 68177 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 912 (BSD).

Hibiscus sabdariffa L. (Vern.: *Patua*)

Cultivated. *Fl. & Fr.*: May – September. *Selected specimen*: Bahraich, S.D. Maliya 227193 (LWG).

Hibiscus vitifolius L.

Along roadsides. *Fl. & Fr.*: April – December. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Mishra 6511 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 1323 (BSD).

Kydia calycina Roxb. (Vern.: *Pula*)

In mixed and sal forests. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38560 (BSA); Gonda, K.K. Khanna & Ram Saran 38745 (BSA); Gorakhpur, C.M. Arora 1563 (CAL);

Kheri, *U. Shukla* 70026 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 365 (BSD); Shravasti, *K.K. Khanna* 36891 (BSA).

***Malva parviflora* L.**

In shady moist places. *Fl. & Fr.*: October – March. *Selected specimens*: Bahraich, *O.P. Misra* 7957 (BSA); Bijnor, *C.L. Malhotra* 20209 (BSD); Kheri, *Inayat* 21601 (LWG); Saharanpur, *Y.S. Murty & A.K. Goel* 480 (BSD).

***Malva sylvestris* L.**

Planted in gardens. *Fl. & Fr.*: August – May. *Selected specimen*: Kheri, *Inayat* 21600 (LWG).

***Malva verticillata* L.**

Planted in gardens. *Fl. & Fr.*: August – February. *Selected specimen*: Kheri, *Inayat* 31601 (LWG).

***Malvastrum coromandelianum* (L.) Garcke (Vern.: Bariara, Kharenti)**

In shady wastelands and along roadsides. *Fl. & Fr.*: September – January. *Selected specimens*: Basti, *K.K. Khanna* 36832 (BSA); Gonda, *K.K. Khanna & Ram Saran* 37202 (BSA); Kheri, *U. Shukla* 69847 (BSD); Sant Kabir Nagar, *K.K. Khanna* 65521 (BSA).

***Pavonia repanda* (Roxb. ex Sm.) Spreng.**

On the outskirts of forests and along roadsides. *Fl. & Fr.*: July – November. *Selected specimens*: Bahraich, *G. Panigrahi* 6433 (BSA); Gonda, *Sri Ram* 141 (DD); Kheri, *B.P. Uniyal* 88953 (BSD), *K.K. Singh* 7389 (CDRI); Pilibhit, *Sri Ram* Acc. No. 52644 (DD).

***Sida acuta* Burm.f.**

On the outskirts of forests and in wastelands. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, *G. Panigrahi* 6500 (BSA); Balrampur, *K.K. Khanna* 65315 (BSA); Basti, *K.K. Khanna* 36829 (BSA); Gorakhpur, *T. Rajagopal* 3190 (BSA); Kheri, *K.K. Singh* 7152 (LWG); Saharanpur, *Y.S. Murty & A.K. Goel* 386 (BSD); Sant Kabir Nagar, *K.K. Khanna* 65530 (BSA).

***Sida cordata* (Burm.f.) Bors. (Vern.: Vismar)**

As forest undergrowth and in fallow fields. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, *G. Panigrahi* 2836 (BSA); Balrampur, *K.K. Khanna* 54929, 59944 (BSA); Gonda, *K.K. Khanna & Ram Saran* 37346 (BSA), *K.K. Khanna* 46080 (BSA); Pilibhit, *C.L. Malhotra* 31489 (BSD); Sant Kabir Nagar, *K.K. Khanna* 65535 (BSA); Sidharthnagar, *K.K. Khanna* 65423 (BSA).

***Sida cordifolia* L. (Vern.: Vismar)**

In wastelands. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, *G. Panigrahi* 6438 (BSA); Balrampur, *K.K. Khanna* 54955 (BSA); Bijnor, *Akhtar* Acc. No. 82845 (BSD); Gonda, *K.K. Khanna* 63890 (BSA); Kheri, *C.L. Malhotra* 23610 (BSD); Pilibhit, *Inayat* 21587 (DD); Saharanpur, *Keshwanand* 26151 (DD).

***Sida ovata* Forssk.**

In wastelands. *Fl. & Fr.*: July – February. *Selected specimens*: Bijnor, *J.P. Sharma* 70301 (BSD); Moradabad, *H.L. Prasad* 79904 (BSD).

***Sida rhombifolia* L. (Vern.: Lal bariala)**

In wastelands and along roadsides. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, *G. Panigrahi* 6585 (BSA); Balrampur, *K.K. Khanna* 48088 (BSA); Gonda, *K.K. Khanna & Ram Saran* 37170 (BSA); Kheri, *C.L. Malhotra* 23572 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 904 (BSD); Sant Kabir Nagar, *K.K. Khanna* 67963 (BSA).

***Sida spinosa* L. (Vern.: Gulsakari)**

In wastelands and forest clearings. *Fl. & Fr.*: September – February. *Selected specimens*: Bahraich, *G. Panigrahi*

2985 (CAL); Balrampur, *K.K. Khanna* 54952 (BSA); Bijnor, *Akhtar* Acc. No. 8285 (BSD); Kheri, *Inayat* 21595 (DD); Shahjahanpur, *Duthie* 3877 (DD).

***Thespesia lampas* (Cav.) Dalzell & Gibson**

In mixed and sal forests. *Fl. & Fr.*: September – July. *Selected specimens*: Bahraich, *P. Singh* 16685 (LWG); Balrampur, *K.K. Khanna* 48091, 59995 (BSA); Kheri, *G. Saran & party* 26274, 26478 (LWG).

***Thespesia populnea* (L.) Sol. ex Corrêa**

Planted in gardens. *Fl. & Fr.*: March – June. *Selected specimens*: Kheri, *C.L. Malhotra* 22900 (BSD); Pilibhit, *Inayat* 21607a (DD).

***Urena lobata* L. (Vern.: Lapetua)**

In wastelands and fallow fields. *Fl. & Fr.*: July – October. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 38575 (BSA); Gonda, *K.K. Khanna & Ram Saran* 37209 (BSA); Kheri, *Inayat* 21605 (DD); Pilibhit, *Inayat* 21606 (DD); Shravasti, *K.K. Khanna* 48016 (BSA).

***Urena repanda* Roxb. ex Sm.**

In wastelands and on forest margins. *Fl. & Fr.*: August – December. *Selected specimen*: Bahraich, *G. Panigrahi & O.P. Mishra* 6433 (BSA).

***Urena sinuata* L.**

In wastelands and as undergrowth in forests. *Fl. & Fr.*: August – December. *Selected specimen*: Kheri, *K.K. Singh* 4162, 7439 (LWG).

Bombacaceae

***Adansonia digitata* L. (Vern.: Kalpabriksh)**

Planted. *Fl. & Fr.*: May – October. *Selected specimen*: Basti, *K.K. Khanna* 65670 (BSA).

***Bombax ceiba* L. (Vern.: Sema)**

Along roadsides and in villages throughout the region. *Fl. & Fr.*: February – May. *Selected specimens*: Bahraich, *O.P. Misra* 7856 (BSA); Balrampur, *K.K. Khanna* 67887 (BSA); Gonda, *K.K. Khanna* 46066 (BSA); Kheri, *J.K. Maheshwari* 379 (LWG).

***Ceiba pentandra* (L.) Gaertn. (Vern.: Vilayati sema)**

Planted along roadsides. *Fl. & Fr.*: December – April. Bahraich (Saini in *J. Econ. Taxon. Bot.* 29 (3): 546. 2005).

Sterculiaceae

***Eriolaena wallichii* DC.**

In mixed forests. *Fl. & Fr.*: April – June. *Selected specimens*: Gonda, *Shri Ram* 195 (DD), *Harsukh*, 21634 (DD); Gorakhpur, *P.C. Kanjilal* 196 & 5385 (DD).

***Firmiana colorata* (Roxb.) R.Br.**

In mixed forests. *Fl. & Fr.*: March – June. *Selected specimen*: Pilibhit, *Shri Ram* 184 (DD).

***Guazuma ulmifolia* Lam.**

In mixed forests. *Fl. & Fr.*: February – July. Bahraich (Saini in *J. Econ. Taxon. Bot.* 29 (3): 546. 2005).

***Helicteres isora* L. (Vern.: Aithan, Marorphali)**

In mixed forests. *Fl. & Fr.*: August – February. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 38659 (BSA); Balrampur, *K.K. Khanna* 68712 (BSA); Basti, *K.K. Khanna* 65666 (BSA); Gonda, *K.K. Khanna* 68448 (BSA); Gorakhpur, *K.K. Khanna* 66524 (BSA); Kheri, *K.K. Singh* 7960 (CDRI); Maharajganj, *K.K. Khanna* 68010 (BSA); Pilibhit, *C.L. Malhotra* 50407 (BSD); Sant Kabir Nagar, *K.K. Khanna* 65577 (BSA).

***Melochia corchorifolia* L. (Vern.: Bilpat)**

In wastelands. *Fl. & Fr.*: July – September. *Selected specimens*: Bahraich, *Hira Lal* 16526 (LWG); Bijnor, *B.D. Sharma* 70338 (BSD); Kheri, *K.K. Singh* 8449 (CDRI); Pilibhit, *C.L. Malhotra* 50782 (CAL); Saharanpur, *Y.S.*

Murty & A.K. Goel 271 (BSD); Sant Kabir Nagar, K.K. Khanna 67918 (BSA).

Pentapetes phoenicea L. (Vern.: *Dopahariya*)

Usually planted in gardens. *Fl. & Fr.*: August – January. *Selected specimens*: Kheri, B.P. Uniyal 88911 (BSD); Shrivasti, K.K. Khanna 48047 (BSA); Sant Kabir Nagar, K.K. Khanna 67919 (BSA).

Pterospermum acerifolium (L.) Willd. (Vern.: *Kanak-champa*)

In mixed forests. *Fl. & Fr.*: March – August. *Selected specimens*: Kheri, G. Saran 26202 (LWG), K.K. Singh 7339 (CDRI).

Pterospermum lanceifolium Roxb.

In mixed forests. *Fl. & Fr.*: May – December. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1736 (BSD).

Pterospermum suberifolium (L.) Lam.

Planted. *Fl. & Fr.*: June – December. *Selected specimen*: Saharanpur, Gamble 6622 (DD).

Sterculia foetida L.

In mixed forests. *Fl. & Fr.*: February – July. Bahraich (Saini in J. Econ. Taxon. Bot. 29 (3): 547. 2005).

Sterculia urens Roxb. (Vern.: *Kuli, Kulu*)

In deciduous forests. *Fl. & Fr.*: February – May. *Selected specimens*: Bahraich, O.P. Misra 7995 (BSA); Balrampur, K.K. Khanna 67888 (BSA).

Sterculia villosa Roxb. ex Sm. (Vern.: *Udar*)

In deciduous and mixed forests. *Fl. & Fr.*: March – August. *Selected specimens*: Bahraich, K.K. Singh & party 6190 (LWG), Gonda, Gupta & Singh 9404 (LWG); Kheri, K.K. Singh 4292 (CDRI); Pilibhit, Inayat 21628 (DD); Saharanpur, Y.S. Murty & A.K. Goel 1610 (BSD).

Waltheria indica L.

In wastelands. *Fl. & Fr.*: July – December. *Selected specimens*: Kheri, G. Saran 26463 (LWG); Saharanpur, Keshvanand 54 (DD).

Tiliaceae

Corchorus aestuans L. (Vern.: *Conch*)

In moist places of wastelands and along roadsides. *Fl. & Fr.*: August – February. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6328 (BSA); Balrampur, K.K. Khanna 36839, 54906 (BSA); Kheri, C.L. Malhotra 23553 (BSD); Saharanpur, B.M. Wadhwa 62737 (BSD); Sant Kabir Nagar, K.K. Khanna 67964 (BSA).

Corchorus capsularis L. (Vern.: *Harrawa, Kharenti*)

In moist wastelands. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6659 (BSA); Gonda, K.K. Khanna & Ram Saran 39143 (BSA); Gorakhpur, A. Singh & party 63946 (LWG); Kheri, G. Saran & party 26393 (LWG); Pilibhit, C.L. Malhotra 50993 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 261 (BSD); Sant Kabir Nagar, K.K. Khanna 67976 (BSA).

Corchorus fascicularis Lam.

In wastelands and along forest roads. *Fl. & Fr.*: August – March. *Selected specimen*: Bahraich, G. Panigrahi & O.P. Misra 6616A (BSA).

Corchorus olitorius L. (Vern.: *Koshta*)

In wastelands. *Fl. & Fr.*: August – March. *Selected specimens*: Bahraich, Harsukh 21635 (DD); Gonda, K.K. Khanna & Ram Saran 37165 (BSA); Kheri, K.K. Singh 7737 (CDRI); Sant Kabir Nagar, K.K. Khanna 67965 (BSA); Sitapur, G. Saran & party 26640 (LWG).

Corchorus tridens L.

In wastelands. *Fl. & Fr.*: September – January. *Selected specimens*: Muzaffarnagar, R.C. Bharadwaja Acc. No. 8515 (LWG); Saharanpur Y.S. Murty & A.K. Goel 987 (BSD).

Corchorus trilocularis L.

In wastelands. *Fl. & Fr.*: August – March. *Selected specimen*: Kheri, U. Shukla 70049 (BSD).

Grewia abutilifolia Vent. ex Juss.

Along forest roads. *Fl. & Fr.*: October – May. *Selected specimens*: Bahraich, K.K. Khanna 39907 (BSA); Gonda, K.K. Khanna 39993 (BSA).

Grewia asiatica L. (Vern.: *Phalsa*)

In deciduous forests. *Fl. & Fr.*: February – August. *Selected specimens*: Bahraich, O.P. Misra 8009 (BSA); Gorakhpur, Harsukh 21651 (DD); Kheri, Inayat 21650 (DD); Pilibhit, Inayat 21649 (DD); Saharanpur, Y.S. Murty & A.K. Goel 26 (BSD).

Grewia eriocarpa Juss. (Vern.: *Dhaman*)

In sal forests. *Fl. & Fr.*: February – May. *Selected specimens*: Bahraich, K.K. Singh & party 5969 (LWG); Gorakhpur, Harsukh 21639 (DD); Kheri, K.K. Singh 2381 (CDRI); Saharanpur, M.A. Rau 14678 (CAL).

Grewia helicterifolia Wall. ex G. Don (Vern.: *Sita-chaben*)

In mixed and sal forests. *Fl. & Fr.*: September – February. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37659, 38656 (BSA); Gonda, K.K. Singh & party 6135 (LWG); Gorakhpur, G. Panigrahi 3622 (BSA); Kheri, Hira Lal 7198 (LWG); Pilibhit, Osmaston 47292, 47293 (DD); Shrivasti, K.K. Khanna 48034 (BSA).

Grewia hirsuta Vahl (Vern.: *Gursakari*)

In mixed forests. *Fl. & Fr.*: August – February. *Selected specimens*: Bahraich, G. Panigrahi 9903 (CAL); Balrampur, K.K. Khanna 68664 (BSA); Kheri, K.K. Singh 2954 (CDRI); Pilibhit, D.D. Awasthi 325 (LWG).

Grewia optiva J.R. Drumm. ex Burret (Vern.: *Bhimal*)

In mixed forests. *Fl. & Fr.*: April – December. *Selected specimens*: Saharanpur, Y.S. Murty & A.K. Goel 668 (BSD), U. Kanjilal 5259 (DD).

Grewia rothii DC.

In mixed forests. *Fl. & Fr.*: May – October. *Selected specimen*: Bahraich, Harsukh 21638 (DD).

Grewia sapida Roxb. ex DC. (Vern.: *Bhumiphalsa*)

In sal forests. *Fl. & Fr.*: April – November. *Selected specimens*: Gorakhpur, P.C. Kanjilal 234 (DD); Kheri, C.L. Malhotra 31409 (BSD); Pilibhit, R.S. Hole 19304 (DD).

Grewia sclerophylla Roxb. ex G. Don

In mixed and sal forests. *Fl. & Fr.*: August – March. *Selected specimens*: Bahraich, V. Chandra & party 12212 (LWG); Gonda, Harsukh 21637a (DD); Kheri, K.K. Singh 7298 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1345 (BSD).

Grewia serrulata DC. (Vern.: *Aaria, Kakki*)

In mixed and sal forests. *Fl. & Fr.*: July – February. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37650 (BSA); Balrampur, K.K. Khanna 65336 (BSA); Gonda, K.K. Khanna & Ram Saran 38756 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10734 (BSA); Kheri, U. Shukla 70086 (BSD); Rampur, Osmaston Acc. No. 53260 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 1009 (BSD); Shrivasti, K.K. Khanna 65612 (BSA).

Grewia tiliifolia Vahl (Vern.: *Dhaman*)

In deciduous forests. *Fl. & Fr.*: February – December. *Selected specimens*: Bahraich, S.D. Maliya 225964

(LWG); Gorakhpur, *Sri Ram* 224 (DD); Kheri, *G. Saran & party* 26571 (LWG); Pilibhit, *Inayat* 21646 (CAL); Saharanpur, *J.G. Srivastava* 6957 (LWG).

***Triumfetta annua* L.**

In wastelands. *Fl. & Fr.*: August – February. *Selected specimen*: Saharanpur, *J.V.S. Rao* 39952 (BSD).

***Triumfetta pentandra* A.Rich.**

In wastelands and sal forests. *Fl. & Fr.*: September – April. *Selected specimens*: Bahraich, *S.D. Maliya* 224637 (LWG); Gorakhpur, *G. Panigrahi & Ram Saran* 10764 (BSA); Kheri, *K.K. Singh* 4178 (CDRI); Saharanpur, *S.K. Malhotra* 13159 (BSD); Sant Kabir Nagar, *K.K. Khanna* 65514 (BSA); Shravasti, *K.K. Khanna* 48005 (BSA).

***Triumfetta pilosa* Roth**

In wastelands. *Fl. & Fr.*: August – December. *Selected specimen*: Kheri, *P.C. Kanjilal* 2165 (DD).

***Triumfetta rhomboidea* Jacq. (Vern.: *Lapetua*)**

In wastelands and along forest roads. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 38574 (BSA); Balrampur, *K.K. Khanna* 48089 (BSA); Basti, *K.K. Khanna* 58481 (BSA); Bijnor, *J.P. Sharma* 70328 (BSD); Gonda, *K.K. Khanna* 63903 (BSA); Kheri, *K.K. Singh* 7460 (CDRI); Sant Kabir Nagar, *K.K. Khanna* 67981 (BSA).

Linaceae

***Linum usitatissimum* L. (Vern.: *Alsi, Tisi*)**

Cultivated throughout the region, also found as an escape. *Fl. & Fr.*: December – March. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 38718 (BSA); Balrampur, *K.K. Khanna* 68730 (BSA); Gonda, *K.K. Khanna* 68423, 68440 (BSA); Maharajganj, *K.K. Khanna* 68154 (BSA); Shravasti, *K.K. Khanna* 65629 (BSA).

***Reinwardtia indica* Dumort.**

Along roadsides. *Fl. & Fr.*: October – March. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 1441 (BSD).

Malpighiaceae

***Aspidopterys wallichii* Hook.f.**

In mixed forests. *Fl. & Fr.*: August – December. Bahraich (Saini in *J. Econ. Taxon. Bot.* 29 (3): 549. 2005).

***Hiptage benghalensis* (L.) Kurz**

In mixed forests. *Fl. & Fr.*: January – April. *Selected specimen*: Bahraich *V. Chandra & party* 12054 (LWG).

Zygophyllaceae

***Peganum harmala* L.**

In wastelands. *Fl. & Fr.*: March – October. *Selected specimen*: Saharanpur, *Royle* 57/3 (DD).

***Tribulus terrestris* L. (Vern.: *Gokhuru*)**

In wastelands, fallow fields and along roadsides. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Bahraich, *V. Chandra* 12362 (LWG); Bijnor, *J.P. Sharma* 67116 (BSD); Gonda, *K.K. Khanna & Ram Saran* 37292 (BSA); Kheri, *C.L. Malhotra* 22869 (BSD); Moradabad, *H.L. Prasad* 79928 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 250 (BSD).

Geraniaceae

***Geranium mascatense* Boiss.**

In moist places. *Fl. & Fr.*: March – April. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 1434 (BSD).

Oxalidaceae

***Biophytum reinwardtii* (Zucc.) Klotzsch**

In moist shady places. *Fl. & Fr.*: October – December. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 1906 (BSD).

***Biophytum sensitivum* (L.) DC.**

In moist places. *Fl. & Fr.*: May – September. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 37615 (BSA); Balrampur, *K.K. Khanna* 54947 (BSA); Gonda, *K.K. Khanna & Ram Saran* 37160, 39055, 39222 (BSA); Gorakhpur, *C.M. Arora* 1479 (BSA); Kheri, *C.L. Malhotra* 23541 (BSD).

***Oxalis cernua* Thunb.**

In moist places. *Fl. & Fr.*: August – March. Muzaffarnagar, *R.C. Bharadwaja* Acc. No. 8531 (LWG).

***Oxalis corniculata* L. (Vern.: *Khattibuti*)**

As a weed in gardens and cultivated fields. *Fl. & Fr.*: March – December. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 38703 (BSA); Balrampur, *K.K. Khanna* 68133 (BSA); Bijnor, *C.L. Malhotra* 195282 (BSD); Gonda, *K.K. Khanna & Ram Saran* 37160 (BSA); Kheri, *Inayat* 21459 (DD); Saharanpur, *B.M. Wadhwa* 60506 (BSD); Sant Kabir Nagar, *K.K. Khanna* 68539 (BSA).

***Oxalis debilis* var. *corymbosa* (DC.) Lourteig**

As a weed in gardens and cultivated fields. *Fl. & Fr.*: September – January. *Selected specimens*: Saharanpur, *M.A. Rau* 14661 (BSD), *Y.S. Murty & A.K. Goel* 541 (BSD).

***Oxalis dehradunensis* Raizada**

As a weed in gardens. *Fl. & Fr.*: May – November. *Selected specimens*: Muzaffarnagar, *R.C. Bharadwaja* Acc. No. 8532 (LWG); Saharanpur, *Y.S. Murty & A.K. Goel* 326 (BSD).

Averrhoaceae

***Averrhoa carambola* L. (Vern.: *Kamrakh*)**

Planted in gardens and villages. *Fl. & Fr.*: May – August. *Selected specimens*: Kheri, *Inayat* 21458 (DD), *Sri Ram* 52583 (DD).

Balsaminaceae

***Hydrocera triflora* (L.) Wight & Arn.**

In moist places. *Fl. & Fr.*: January – October. *Selected specimen*: Pilibhit, *Inayat* 25862 (BSD).

***Impatiens balsamina* L.**

Cultivated in gardens, also found as an escape. *Fl. & Fr.*: July – October. *Selected specimens*: Balrampur, *K.K. Khanna* 68178 (BSA); Pilibhit, *C.L. Malhotra* 42383 (BSD).

Rutaceae

***Aegle marmelos* (L.) Corrêa (Vern.: *Bel*)**

In mixed and 'bel' forests. *Fl. & Fr.*: February – December. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 37107 (BSA); Gonda, *K.K. Khanna & Ram Saran* 39198 (BSA); Kheri, *J.K. Maheshwari* EBH-305 (LWG); Pilibhit, *C.L. Malhotra* 42715 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 53 (BSD).

***Citrus aurantiifolia* (Christm.) Swingle (Vern.: *Kaghzi nimbu*)**

Planted in gardens. *Fl. & Fr.*: February – October. *Selected specimen*: Bahraich, *S.D. Maliya* 225912 (LWG).

***Citrus medica* L. (Vern.: *Neembu*)**

Planted in gardens. *Fl. & Fr.*: Throughout the year. *Selected specimen*: Bahraich, K.K. Singh & party 6178 (LWG).

Clausena kanpurensis J.F.Molino

In deciduous forests. *Fl. & Fr.*: March – August. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38558 (BSA); Bijnor, Akhtar 82847 (BSD); Gonda, M.A. Rau 12101 (BSD); Gorakhpur, G. Panigrahi & Ram Saran 10732 (BSA); Kheri, C.L. Malhotra 31453 (BSD); Pilibhit, C.L. Malhotra 37156 (BSD).

Clausena lansium (Lour.) Skeels

Cultivated. *Fl. & Fr.*: March – July. *Selected specimen*: Bahraich, Hira Lal 415 (LWG).

Glycosmis mauritiana (Lam.) Tanaka (Vern.: Gutuhuru)

In mixed forests. *Fl. & Fr.*: December – October. *Selected specimens*: Bahraich, G. Panigrahi 2705 (BSA), K.K. Khanna & Ram Saran 38538 (BSA); Gorakhpur, C.M. Arora 1473 (BSA).

Glycosmis pentaphylla (Retz.) DC. (Vern.: Gutuhuru) var. *linearifolia* Tanaka

Cultivated in gardens. *Fl.*: Rainy season. *Selected specimens*: Muzaffarnagar, R.C. Bharadwaja Acc. No. 8624 (LWG); Saharanpur, R.N. Parker s.n. (DD).

var. *pentaphylla*

In mixed forests and along forest roads. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38558 (BSA); Balrampur, K.K. Khanna 65323 (BSA); Basti, K.K. Khanna 36830, 65668 (BSA); Bijnor, Y.K. Sarin 5019 (BSD); Gonda, K.K. Khanna 65236 (BSA); Gorakhpur, K.K. Khanna 66505, 66528 (BSA); Kheri, C.L. Malhotra 31600 (BSD); Maharajganj, K.K. Khanna 68015 (BSA); Pilibhit, J.N. Vohra 58259 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1018 (BSD); Sant Kabir Nagar, K.K. Khanna 65585 (BSA); Shravasti, K.K. Khanna 48015 (BSA).

Limonia acidissima L. (Vern.: Kaitha)

In deciduous forests. *Fl. & Fr.*: March – December. *Selected specimens*: Kheri, G. Saran 26713 (LWG); Sitapur, G. Saran 26794 (LWG).

Murraya koenigii (L.) Spreng. (Vern.: Kathnim)

In mixed and deciduous forests. *Fl. & Fr.*: March – July. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37105 (BSA), K.K. Khanna 39857 (BSA); Gonda, K.K. Khanna & Ram Saran 37194 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10684 (BSA); Kheri, C.L. Malhotra 31534 (BSD); Maharajganj, S.L. Kapoor 44 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 5281 (BSD).

Murraya paniculata (L.) Jack (Vern.: Kamini)

In deciduous forests, also planted in gardens. *Fl. & Fr.*: April – July. *Selected specimens*: Bijnor, J.P. Sharma 67215 (BSD); Muzaffarnagar, R.C. Bharadwaja Acc. No. 8624 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 1431 (BSD).

Naringi crenulata (Roxb.) Nicolson

In deciduous forests. *Fl. & Fr.*: March – December. *Selected specimens*: Bijnor, V. Chandra 43972 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 1721 (BSD); Shahjahanpur, Kaul & party 19031 (LWG).

Simaroubaceae

Ailanthus excelsa Roxb. (Vern.: Arua)

In deciduous forests, also along roadsides. *Fl. & Fr.*: December – July. *Selected specimens*: Balrampur, K.K.

Khanna 68685 (BSA); Kheri, J.K. Maheshwari EBH-314 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 1466 (BSD).

Balanitaceae

Balanites roxburghii Planch.

In deciduous and scrub forests. *Fl. & Fr.*: Throughout the year. *Selected specimen*: Gonda, Harsukh 21627 (DD).

Ochnaceae

Ochna obtusata DC.

In deciduous forests. *Fl. & Fr.*: March – August. *Selected specimens*: Bahraich, Harsukh 216839 (DD); Pilibhit, Inayat 25867 (DD).

Ochna pumila Buch.-Ham. ex D. Don

In deciduous forests. *Fl. & Fr.*: March – August. *Selected specimens*: Bahraich, Harsukh 21683a (DD); Kheri, C.L. Malhotra 31517 (BSD); Pilibhit, C.L. Malhotra 50437, 50726 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 3 (BSD).

Burseraceae

Boswellia serrata Roxb. ex Colebr. (Vern.: Salai)

In deciduous forests. *Fl. & Fr.*: February – April. *Selected specimen*: Saharanpur, Gamble 26439 (CAL).

Garuga pinnata Roxb. (Vern.: Kekar)

In deciduous forests. *Fl. & Fr.*: February – June. *Selected specimens*: Bahraich, S.L. Kapoor & party 70033 (LWG); Balrampur, K.K. Khanna 68179 (BSA); Gonda, Harsukh 21387 (DD); Gorakhpur, Harsukh 21385 (DD); Kheri, Inayat 21386 (DD); Pilibhit, C.L. Malhotra 40299 (BSD); Saharanpur, M.B. Raizada 6304 (DD).

Meliaceae

Aphanamixis polystachya (Wall.) R.Parker (Vern.: Sohaga)

In mixed forests. *Fl. & Fr.*: Almost throughout the year. *Selected specimen*: Gorakhpur, J.K. Maheshwari 81536 (LWG).

Azadirachta indica A.Juss. (Vern.: Neem)

In villages and along roadsides. *Fl. & Fr.*: February – September. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 37262 (BSA); Kheri, K.K. Singh Acc. No. 3369 (CDRI).

Heynea trijuga Roxb. ex Sims

In mixed forests. *Fl. & Fr.*: April – September. *Selected specimens*: Kheri, K.K. Singh 7141, 7267 (LWG).

Melia azedarach L. (Vern.: Bakain)

Usually cultivated. *Fl. & Fr.*: March – June. *Selected specimens*: Balrampur, K.K. Khanna 67889 (BSA); Basti, Shail Bala Acc. No. 46302 (LWG); Gonda, K.K. Khanna & Ram Saran 39982 (BSA).

Soymida febrifuga (Roxb.) A.Juss. (Vern.: Rohina)

In mixed forests. *Fl. & Fr.*: January – July. *Selected specimen*: Bahraich, K.K. Khanna AICRPE 13 (BSA).

Swietenia mahagoni (L.) Jacq.

Cultivated. *Fl. & Fr.*: April – November. *Selected specimen*: Gorakhpur, J.G. Srivastava 48310 (LWG).

Toona ciliata M.Roem. (Vern.: Mahaneem, Tun)

In mixed forests. *Fl. & Fr.*: March – May. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 37234 (BSA); Kheri, K.K. Singh & party 2904 (CDRI).

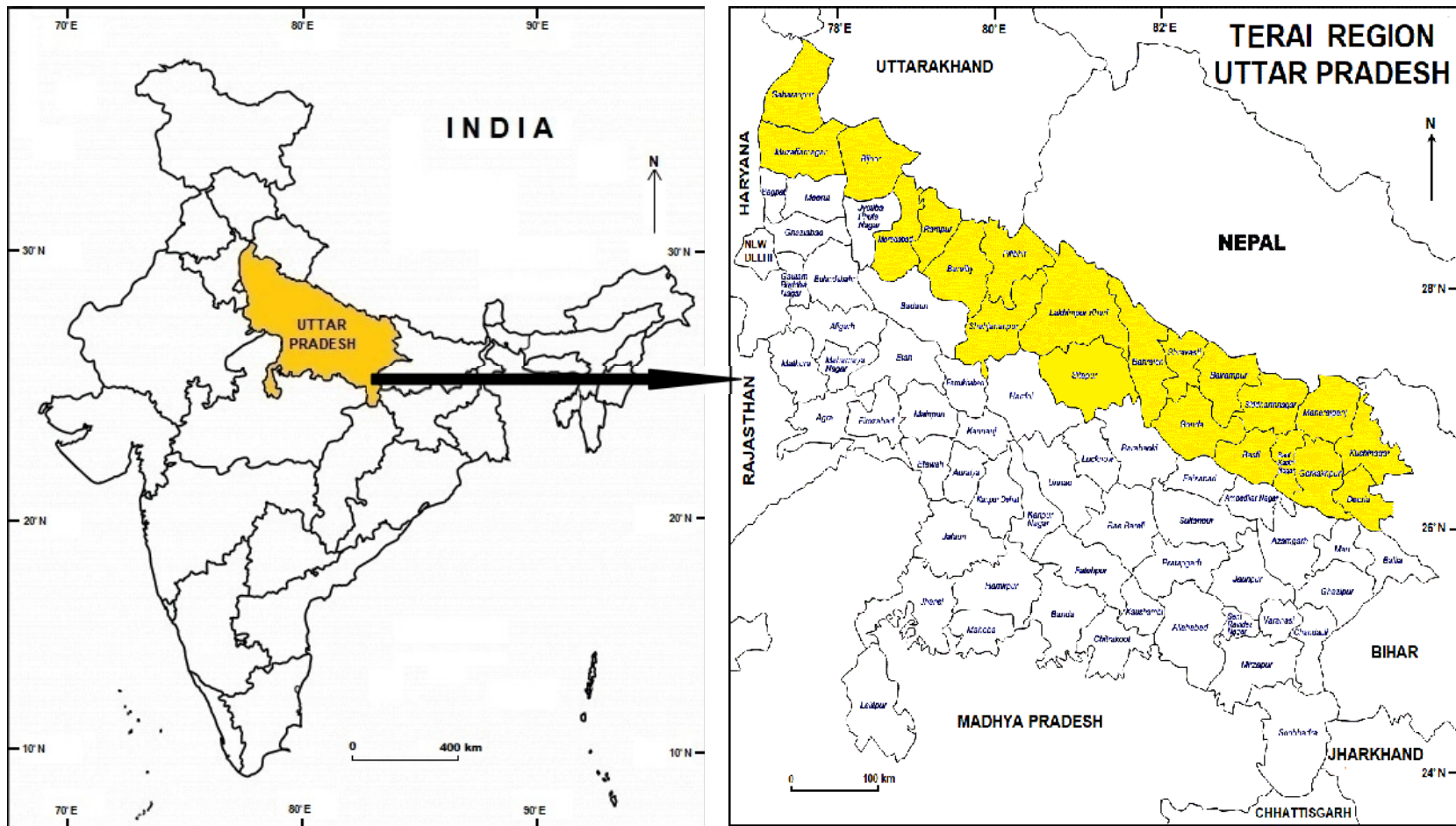


Fig. 1. Map of Terai region, Uttar Pradesh, India.

Olacaceae

Olax nana Wall. ex Benth.

In mixed forests. *Fl. & Fr.*: April – May. *Selected specimens*: Gorakhpur, *Harsukh* 21684 (DD); Kheri, *U. Shukla* 70250 (BSD); Pilibhit, *Inayat* 25869 (DD); Saharanpur, *Royle* 32428 (DD).

Olax scandens Roxb. (Vern.: *Batas*)

In moist places. *Fl. & Fr.*: April – December. *Selected specimens*: Bahraich, *K.K. Khanna* 39879 (BSA); Gonda, *Harsukh* 21685 (CAL).

Olax zeylanica L.

Along roadsides. *Fl. & Fr.*: May – June. Bahraich (Saini in *J. Econ. Taxon. Bot.* 29 (3): 553. 2005).

Opiliaceae

Cansjera rheedei J.F.Gmel.

In scrub and deciduous forests. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Bahraich, *V. Chandra & party* 12055 (LWG); Gonda, *Inayat* 23924 (DD).

Celastraceae

Cassine albens (Retz.) Kosterm.

In mixed forests. *Fl. & Fr.*: March – December. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 1142 (BSD).

Celastrus paniculatus Willd. (Vern.: *Malkangni*)

In mixed forests. *Fl. & Fr.*: April – December. *Selected specimens*: Gonda, *K.K. Khanna & Ram Saran* 37315 (BSA), *K.K. Khanna* 46038, 46077 (BSA); Gorakhpur, *Inayat* 21400 (DD); Kheri, *C.L. Malhotra* 31484 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 1722 (BSD).

Maytenus falconeri (M.A.Lawson) M.A.Rau

var. *falconeri*

In mixed forests. *Fl. & Fr.*: March – December. *Selected specimen*: Gonda, *Shri Ram* 399 (DD).

var. *kanjilalii* (Raizada) M.A.Rau

In mixed forests. *Fl. & Fr.*: March – April. Gonda (Raizada, *Suppl. Duthie's Fl. Gangetic Plain* 41. 1976).

Maytenus royleana (Wall. ex M.A.Lawson) Cufod.

In mixed forests. *Fl. & Fr.*: December – May. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 1997 (BSD).

Hippocrateaceae

Reissantia arborea (Roxb.) H.Hara (Vern.: *Ait bel*)

In mixed forests. *Fl. & Fr.*: November – March. *Selected specimens*: Bahraich, *O.P. Misra* 7971 (BSA); Gonda, *K.K. Khanna & Ram Saran* 37145, 37224, 38755 (BSA), *K.K. Khanna* 59917 (BSA).

Salacia chinensis L.

In mixed forests. *Fl. & Fr.*: January – April. *Selected specimen*: Gorakhpur, *Shri Ram* 2438 (DD).

Rhamnaceae

Gouania leptostachya DC.

In mixed forests. *Fl. & Fr.*: August – December. *Selected specimens*: Bijnor, *V. Chandra & party* 43864 (LWG); Kheri, *J.K. Maheshwari & party* 388 (LWG).

Helinus lanceolatus Brandis

In mixed forests. *Fl. & Fr.*: August – January. *Selected specimens*: Bahraich, *V. Chandra & party* 12322 (LWG); Balrampur, *K.K. Khanna* 68740 (BSA); Saharanpur, *U.C. Bhattacharyya* 49461 (BSD); Shravasti, *K.K. Khanna* 66681 (BSA).

Rhamnus triquetra (Wall.) Brandis

In mixed forests. *Fl. & Fr.*: August – January. *Selected specimens*: Saharanpur, *Harsukh* 96 (DD), *Kanjilal* 898 (DD).

Ventilago denticulata Willd. (Vern.: *Keonti*)

In mixed forests. *Fl. & Fr.*: September – June. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 37684 (BSA); Gonda, *K.K. Khanna & Ram Saran* 38761 (BSA); Kheri, *U. Shukla* 70293 (BSD).

Ventilago maderaspatana Gaertn. (Vern.: *Lal-bel*)

In mixed forests. *Fl. & Fr.*: September – May. *Selected specimen*: Gonda, *S.L. Kapoor* 70061 (LWG).

Ziziphus jujuba Mill. (Vern.: *Ber*)

In sal and mixed forests. *Fl. & Fr.*: June – January. *Selected specimens*: Bahraich, *M.A. Rau* 8252 (BSD); Kheri, *P.C. Kanjilal* 422 (DD); Saharanpur, *J.S. Gupta* 26442 (DD).

Ziziphus mauritiana Lam.

var. *fruticosa* (Haines) Sebast. & Balakr.

In mixed forests. *Fl. & Fr.*: August – February. *Selected specimen*: Kheri, *J.K. Maheshwari & party* 374 (LWG).

var. *mauritiana* (Vern.: *Ber*)

In mixed and scrub forests. *Fl. & Fr.*: August – March. *Selected specimens*: Bahraich, *K.K. Khanna* 46377 (BSA); Gorakhpur, *K.K. Khanna* 65818 (BSA); Kushinagar, *K.K. Khanna* 65875 (BSA); Pilibhit, *C.L. Malhotra* 42870 (BSD); Saharanpur, *B.M. Wadhwa* 62973 (BSD).

Ziziphus nummularia (Burm.f.) Wight & Arn. (Vern.: *Jharberi, Kathber*)

In mixed forests. *Fl. & Fr.*: August – January. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 38589 (BSA), *K.K. Singh & party* 6185 (LWG).

Ziziphus oenoplia (L.) Mill. (Vern.: *Mako*)

In sal and mixed forests. *Fl. & Fr.*: May – October. *Selected specimens*: Bahraich, *M.A. Rau* 8143 (BSD); Balrampur, *K.K. Khanna* 54963, 65350 (BSA); Gonda, *K.K. Khanna & Ram Saran* 37181, 38763 (BSA); Shravasti, *K.K. Khanna* 36890 (BSA).

Ziziphus rugosa Lam. (Vern.: *Banbera, Daurai*)

In mixed forests. *Fl. & Fr.*: February – July. *Selected specimens*: Bahraich, *V. Chandra & party* 12028 (LWG); Gonda, *V. Chandra & party* 18120 (LWG); Pilibhit, *J.N. Vohra* 58366 (BSD).

Ziziphus xylopyra (Retz.) Willd. (Vern.: *Ghont*)

In scrub forests. *Fl. & Fr.*: April – January. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 38565 (BSA); Gonda, *M.A. Rau* 12092 (BSD); Kheri, *Inayat* 21703 (CAL); Pilibhit, *C.L. Malhotra* 37149 (CAL); Saharanpur, *U.C. Bhattacharyya* 17645 (CAL).

Vitaceae

Ampelocissus divaricata (Wall. ex M.A.Lawson) Planch.

On the outskirts of forests. *Fl. & Fr.*: June – December. Gonda (Kanjilal, *For. Fl. Pilibhit Oudh Gorakhpur Bundelkhand* 84. 1982, repr. ed.).

Ampelocissus latifolia (Roxb.) Planch. (Vern.: *Jangli-angur*)

In mixed forests. *Fl. & Fr.*: May – November. *Selected specimens*: Gonda, *K.K. Khanna & Ram Saran* 37311 (BSA); Gorakhpur, *C.M. Arora* 1560 (CAL); Kheri, *J.K. Maheshwari & party* EBH-49 (LWG); Pilibhit, *Inayat* 25874 (DD).

Cayratia trifolia (L.) Domin (Vern.: *Jangli-angur*)

In mixed forests. *Fl. & Fr.*: Throughout the year. *Selected specimens*: Bahraich, *K.K. Khanna & Ram*

Saran 37688 (BSA); Balrampur, K.K. Khanna 59923 (BSA); Gonda, K.K. Khanna & Ram Saran 37320, 39223 (BSA); Gorakhpur, Harsukh 21365 (DD); Pilibhit, C.L. Malhotra 50568 (BSD).

Cissus adnata Roxb. (Vern.: Gurwari)

On the outskirts of forests and in wastelands. *Fl. & Fr.*: July – January. *Selected specimens*: Gorakhpur, C.M. Arora 1551 (CAL); Kheri, Inayat 21356 (CAL); Pilibhit, Inayat 21354 (CAL); Sant Kabir Nagar, K.K. Khanna 68537 (BSA).

Cissus repanda Vahl (Vern.: Panibel)

On the outskirts of forests. *Fl. & Fr.*: April – July. *Selected specimens*: Bahraich, V. Chandra & party 12335 (LWG); Gorakhpur, Harsukh 21361 (DD); Kheri, Inayat 21355 (DD); Pilibhit, Inayat 21354 (DD).

Tetrastigma campylocarpum (Kurz) Planch.

In mixed forests. *Fl. & Fr.*: November – May. *Selected specimen*: Pilibhit, Parker 86 (DD).

Tetrastigma leucostaphylum (Dennst.) Alston ex Mabb.

In mixed forests. *Fl. & Fr.*: April – December. Bahraich (Saini in J. Econ. Taxon. Bot. 29 (3): 555. 2005); Gorakhpur, Pilibhit (Kanjilal, For. Fl. Pilibhit Oudh Gorakhpur Bundelkhand 85. 1982, repr. ed.).

Leeaceae

Leea alata Edgew.

In mixed forests. *Fl. & Fr.*: June – September. *Selected specimens*: Bahraich, Harsukh 21360 (DD); Balrampur, K.K. Khanna 59996 (BSA); Gorakhpur, Osmaston 41703 (DD); Kheri, C.L. Malhotra 22874 (BSD); Pilibhit, C.L. Malhotra 50640 (BSD).

Leea asiatica (L.) Ridsdale (Vern.: Ramala)

On the outskirts of forests. *Fl. & Fr.*: June – December. *Selected specimens*: Bahraich, G. Panigrahi 6485 (BSA); Balrampur, K.K. Khanna 59981 (BSA); Gonda, M.A. Rau 12093 (BSD); Kheri, C.L. Malhotra 22897 (BSD); Saharanpur, Gamble 25608 (DD).

Leea compactiflora Kurz

On the outskirts of forests. *Fl. & Fr.*: May – December. Kheri (Kanjilal, For. Fl. Pilibhit Oudh Gorakhpur Bundelkhand 89. 1982, repr. ed.).

Leea indica (Burm.f.) Merr.

On the outskirts of forests. *Fl. & Fr.*: June – March. *Selected specimen*: Kheri, J.K. Maheshwari & party EBH-46 (LWG).

Leea macrophylla Roxb. ex Hornem. (Vern.: Hathikan)

In mixed forests. *Fl. & Fr.*: July – March. *Selected specimens*: Bahraich, Harsukh 21542 (DD); Pilibhit, Sri Ram 2205 (DD).

Sapindaceae

Cardiospermum halicacabum L. (Vern.: Kaligugchi)

Along roadsides. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Bahraich, Rampher 16571 (LWG); Gonda, Hira Lal 13484 (LWG); Gorakhpur, C.M. Arora 1515 (CAL).

Dimocarpus longan Lour.

Cultivated. *Fl. & Fr.*: April – September. *Selected specimens*: Kheri, R.S. Hole 28893 (DD); Saharanpur, Royle 1856 (DD).

Dodonaea viscosa Jacq. (Vern.: Vilayati mehendi)

Planted as hedges, also found as an escape. *Fl. & Fr.*: Throughout the year. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 37249, 39961 (BSA); Moradabad, H.L. Prasad 80017 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1402 (BSD).

Lepisanthes rubiginosa (Roxb.) Leenh.

In mixed forests. *Fl. & Fr.*: January – May. *Selected specimens*: Bahraich, G. Panigrahi 6592 (BSA); Kheri, Inayat 21524 (DD).

Lepisanthes senegalensis (Juss. ex Poir.) Leenh.

In mixed forests. *Fl. & Fr.*: November – June. Kheri (Kanjilal, For. Fl. Pilibhit Oudh Gorakhpur Bundelkhand 92. 1982, repr. ed.).

Litchi chinensis Sonn. (Vern.: Litchi)

Cultivated in gardens. *Fl. & Fr.*: March – June. *Selected specimens*: Kheri, G. Saran & party 26145 (LWG); Saharanpur, M.A. Rau 14659 (BSD).

Sapindus emarginatus Vahl

In mixed forests. *Fl. & Fr.*: October – January. *Selected specimen*: Bahraich, Hira Lal 13446 (LWG).

Sapindus trifolius L. (Vern.: Ritha)

In mixed forests. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, G. Panigrahi 2781 (BSA); Kheri, Inayat 21624 (CAL).

Schleichera oleosa (Lour.) Merr. (Vern.: Kusum)

In deciduous forests. *Fl. & Fr.*: March – August. *Selected specimens*: Bahraich, G. Panigrahi 2853 (BSA); Balrampur, K.K. Khanna 68714 (BSA); Kheri, G. Saran & party 2627 (LWG); Maharajganj, S.L. Kapoor 38 (LWG).

Sabiaceae

Meliosma simplicifolia (Roxb.) Walp. (Vern.: Hariara)

In mixed forests. *Fl. & Fr.*: December – June. *Selected specimen*: Bahraich, S.D. Maliya 224958 (LWG).

Anacardiaceae

Buchanania cochinchinensis (Lour.) M.R.Almeida (Vern.: Chironjee)

In mixed and deciduous forests. *Fl. & Fr.*: January – May. *Selected specimens*: Bahraich, O.P. Misra 7942 (BSA); Kheri, C.L. Malhotra 31483 (BSD); Saharanpur, U.C. Bhattacharyya 49468 (BSD).

Lannea coromandelica (Houtt.) Merr. (Vern.: Jhingan)

In deciduous forests. *Fl. & Fr.*: February – May. *Selected specimens*: Bahraich, S.D. Maliya 224904 (LWG); Bijnor, Anil 268 (DD); Gonda, K.K. Khanna & Ram Saran 37195, 39990 (BSA); Gorakhpur, Harsukh 21370 (DD); Kheri, C.L. Malhotra 31466 (BSD), U. Shukla 70506 (BSD); Sant Kabir Nagar, K.K. Khanna 67910 (BSA).

Mangifera indica L. (Vern.: Aam)

Cultivated throughout the region. *Fl. & Fr.*: March – July. *Selected specimens*: Bahraich, S.D. Maliya 224905 (LWG); Balrampur, K.K. Khanna 67890 (BSA); Gonda, Sri Ram 540 (DD); Gorakhpur, Harsukh 21541 (DD); Kheri, Inayat 21369 (DD).

Semecarpus anacardium L.f. (Vern.: Bhilawa)

In mixed forests. *Fl. & Fr.*: March – January. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37635 (BSA); Balrampur, K.K. Khanna 68180 (BSA); Gorakhpur, Harsukh 21372 (DD); Kheri, C.L. Malhotra 22875 (BSD); Pilibhit, Inayat 21373 (DD); Saharanpur, J.V.S. Rao 39958 (BSD); Shahjahanpur, Duthie 3918 (DD).

Spondias pinnata (L.f.) Kurz (Vern.: Ambara)

In mixed forests. *Fl. & Fr.*: April – December. *Selected specimens*: Bahraich K.K. Singh & party 6931 (LWG); Kheri, U. Shukla 70259 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1674 (BSD).

Moringaceae

Moringa concanensis Nimmo

Cultivated. *Fl. & Fr.*: November – February. Bahraich (Saini in J. Econ. Taxon. Bot. 29 (3): 557. 2005).

Moringa oleifera Lam. (Vern.: *Sahjana*)

Cultivated. *Fl. & Fr.*: February – June. *Selected specimens*: Bahraich, S.D. Maliya 224926 (LWG); Balrampur, K.K. Khanna 68112 (BSA); Bijnor, Y.K. Sarin 5135 (BSD).

Fabaceae

Abrus precatorius L. (Vern.: *Ghumchi*)

In mixed forests. *Fl. & Fr.*: August – March. *Selected specimens*: Bahraich, G. Panigrahi 6345 (BSA); Balrampur, K.K. Khanna 59912 (BSA); Gonda, K.K. Khanna 39163, 68425 (BSA); Kushinagar, K.K. Khanna 65362 (BSA); Sant Kabir Nagar, K.K. Khanna 68511 (BSA).

Aeschynomene aspera L.

In marshy places and also in paddy fields. *Fl. & Fr.*: August – January. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 37344 (BSA); Sant Kabir Nagar, K.K. Khanna 67920 (BSA).

Aeschynomene indica L. (Vern.: *Phulan*)

In water-logged places and cultivated fields. *Fl. & Fr.*: August – December. *Selected specimens*: Balrampur, K.K. Khanna 59985 (BSA); Sant Kabir Nagar, K.K. Khanna 67921 (BSA).

Alhagi maurorum Medik.

In moist places. *Fl. & Fr.*: March – April. *Selected specimen*: Pilibhit, Inayat 21462 (DD).

Alysicarpus bupleurifolius (L.) DC.

As forest undergrowth and in grassy fields. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, S.D. Maliya 224555 (LWG); Gorakhpur, C.M. Arora 1428 (BSA).

Alysicarpus glumaceus (Vahl) DC.

In wastelands. *Fl. & Fr.*: September – January. *Selected specimens*: Bahraich, G. Panigrahi 6618 (BSA), K.K. Khanna & Ram Saran 37682 (BSA).

Alysicarpus longifolius (Rottler ex Spreng.) Wight & Arn.

In wastelands. *Fl. & Fr.*: August – December. *Selected specimen*: Bahraich, S.D. Maliya 223689 (LWG).

Alysicarpus monilifer (L.) DC. (Vern.: *Lotani*)

In wastelands and along roadsides. *Fl. & Fr.*: August – February. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38695 (BSA); Gorakhpur, C.M. Arora 1429 (BSA).

Alysicarpus roxburghianus Thoth. & Pramanik

In mixed forests. *Fl. & Fr.*: September – December. *Selected specimen*: Gorakhpur, C.M. Arora 1428 (BSA).

Alysicarpus tetragonolobus Edgew.

In moist and shady places. *Fl. & Fr.*: November – February. Bahraich (Saini in J. Econ. Taxon. Bot. 29: 558. 2005).

Alysicarpus vaginalis (L.) DC.

In wastelands. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38696 (BSA); Balrampur, K.K. Khanna 59918, 59920 (BSA); Gonda, K.K. Khanna 39958 (BSA).

Arachis hypogaea L. (Vern.: *Moongphali*)

Cultivated. *Fl. & Fr.*: September – November. *Selected specimen*: Bahraich, G. Panigrahi 7737 (BSA).

Butea monosperma (Lam.) Taub. (Vern.: *Dhak, Palas*)

Along roadsides and in scrub forests. *Fl. & Fr.*: February – June. *Selected specimens*: Bahraich, G. Panigrahi

2911 (BSA); Balrampur, K.K. Khanna 68181 (BSA); Gonda, K.K. Khanna 39991 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10613 (BSA).

Butea superba Roxb. ex Willd. (Vern.: *Badrasin*)

In mixed forests. *Fl. & Fr.*: April – June. *Selected specimen*: Bahraich, G. Panigrahi 2917 (BSA).

Cajanus cajan (L.) Millsp. (Vern.: *Arhar*)

Cultivated as a pulse crop throughout the region. *Fl. & Fr.*: August – April. *Selected specimens*: Balrampur, K.K. Khanna 68778 (BSA); Basti, K.K. Khanna 65657 (BSA); Gonda, K.K. Khanna 38757, 65237 (BSA); Maharajganj, K.K. Khanna 68003 (BSA).

Cajanus crassus (Prain & King) Maesen

On the outskirts of forests and in wastelands. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 7947 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10692 (BSA).

Cajanus scarabaeoides (L.) A.Thouars (Vern.: *Bankulthi*)

In wastelands and scrub forests. *Fl. & Fr.*: September – February. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38663 (BSA), G. Panigrahi 2988 (BSA); Balrampur, K.K. Khanna 54910, 59919 (BSA); Gonda, K.K. Khanna 38663 (BSA).

Campylotropis stenocarpa (Klotzsch) Schindl.

In mixed forests. *Fl. & Fr.*: January – March. *Selected specimens*: Saharanpur, Y.S. Murty & A.K. Goel 1138 (BSD), Gamble 22509 (DD).

Castanospermum australe A.Cunn. & Fraser ex Hook. Planted in gardens. *Fl. & Fr.*: April – July. *Selected specimen*: Saharanpur, J.N. Seth 118152 (LWG).

Cicer arietinum L. (Vern.: *Chana*)

Cultivated throughout the region. *Fl. & Fr.*: January – March. *Selected specimen*: Gorakhpur, G. Panigrahi & Ram Saran 10555 (BSA).

Clitoria ternatea L. (Vern.: *Tinpatia*)

Planted and also found as an escape in wastelands. *Fl. & Fr.*: September – December. *Selected specimen*: Gonda, K.K. Khanna & Ram Saran 39268 (BSA).

Codariocalyx gyroides (Link) Hassk.

In mixed forests. *Fl. & Fr.*: September – January. *Selected specimens*: Bahraich, Sri Ram 52909 (DD); Gonda, Osmaston 704 (DD); Gorakhpur, Sri Ram 2690 (DD).

Codariocalyx motorius (Houtt.) H.Ohashi

In mixed forests. *Fl. & Fr.*: September – January. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1197 (BSD).

Crotalaria alata Buch.-Ham. ex D.Don (Vern.: *Jangli sanni, Sanai*)

In mixed forests. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, G. Panigrahi 6484 (BSA); Gonda, K.K. Khanna 46095 (BSA); Kheri, C.L. Malhotra 22892 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1383 (BSD).

Crotalaria albida Heyne ex Roth

In mixed forests and wastelands. *Fl. & Fr.*: August – April. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37625 (BSA); Balrampur, K.K. Khanna 68717 (BSA); Gonda, K.K. Khanna & Ram Saran 39157 (BSA); Pilibhit, Inayat 25887 (DD); Saharanpur, Gamble 23974 (DD).

Crotalaria calycina Schrank

In moist places. *Fl. & Fr.*: August – March. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38576 (BSA); Balrampur, K.K. Khanna 54973 (BSA);

- Gorakhpur, C.M. Arora 1505 (BSA); Pilibhit, C.L. Malhotra 50986 (CAL).
- Crotalaria ferruginea** Graham ex Benth.
In mixed forests. *Fl. & Fr.*: October – December. *Selected specimens*: Bijnor, V. Chandra & party 43669 (LWG); Gonda, V. Chandra & party 43488 (LWG).
- Crotalaria hebecarpa** (DC.) Rudd
In grassy fields. *Fl. & Fr.*: September – April. *Selected specimen*: Gonda, Harsukh 21516 (CAL).
- Crotalaria juncea** L. (Vern.: *Sana*)
Cultivated and also found as an escape. *Fl. & Fr.*: September – February. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 38758 (BSA); Kheri, Inayat 21476 (CAL).
- Crotalaria linifolia** L.f.
In mixed forests and grassy fields. *Fl. & Fr.*: September – November. *Selected specimens*: Balrampur, K.K. Khanna 59940 (BSA); Gonda, K.K. Khanna 46019 (BSA); Kheri, U. Shukla 69927 (BSD); Shravasti, K.K. Khanna 66680 (BSA).
- Crotalaria medicaginea** Lam.
var. *luxurians* (Benth.) Baker
In wastelands. *Fl. & Fr.*: November – December. *Selected specimen*: Bahraich, Harsukh 21474 (DD).
var. *medicaginea*
In wastelands. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, O.P. Misra 8030 (BSA); Gonda, K.K. Khanna & Ram Saran 37226 (BSA).
var. *neglecta* (Wight & Arn.) Baker
Fl. & Fr.: September – November. North Oudh and Gorakhpur. (Baker, Fl. Brit. India 2: 81. 1876).
- Crotalaria mysorensis** Roth
Along drain banks. *Fl. & Fr.*: August – December. *Selected specimen*: Pilibhit, C.L. Malhotra 50994 (CAL).
- Crotalaria pallida** Aiton (Vern.: *Bansanwa*)
In moist places. *Fl. & Fr.*: October – March. *Selected specimen*: Gorakhpur, G. Panigrahi & Ram Saran 10599 (BSA).
- Crotalaria prostrata** Rottler ex Willd.
In moist places. *Fl. & Fr.*: October – January. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37645 (BSA); Gorakhpur, C.M. Arora 1458 (BSA); Pilibhit, C.L. Malhotra 37153 (CAL).
- Crotalaria retusa** L.
Cultivated, sometimes found as an escape. *Fl. & Fr.*: November – April. *Selected specimen*: Gonda, without collector's name 20961 (DD).
- Crotalaria sessiliflora** L.
In moist places. *Fl. & Fr.*: September – December. *Selected specimen*: Bahraich, G. Panigrahi 6443 (BSA).
- Crotalaria spectabilis** Roth (Vern.: *Jangli-san*)
In wastelands and along roadsides. *Fl. & Fr.*: October – February. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37634 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10701 (BSA); Pilibhit, Inayat 21483 (CAL).
- Crotalaria tetragona** Andrews
In scrub forests and fallow fields. *Fl. & Fr.*: September – April. *Selected specimens*: Saharanpur, Sundarlal Pathak s.n. (DD), Gamble, 24000 (DD).
- Crotalaria verrucosa** L.
In gardens. *Fl. & Fr.*: September – February. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel s.n. (BSD).
- Cullen corylifolium** (L.) Medik.
In mixed forests and in moist places along lake. *Fl. & Fr.*: September – April. *Selected specimens*: Sant Kabir Nagar, K.K. Khanna 68586 (BSA); Shravasti, K.K. Khanna 66683 (BSA).
- Dalbergia lanceolaria** L.f. subsp. *paniculata* (Roxb.) Thoth. (Vern.: *Sirsa*)
In mixed forests. *Fl. & Fr.*: April – January. *Selected specimen*: Gonda, K.K. Khanna & Ram Saran 39178 (BSA).
- Dalbergia latifolia** Roxb.
In mixed forests. *Fl. & Fr.*: September – April. Bahraich (Saini in J. Econ. Taxon. Bot. 29 (3): 560. 2005).
- Dalbergia melanoxyton** Guill. & Perr.
In mixed forests. *Fl. & Fr.*: April – December. *Selected specimen*: Saharanpur, R.N. Parker 25675 (DD).
- Dalbergia sissoo** Roxb. (Vern.: *Shisham*)
Along roadsides and in mixed forests. *Fl. & Fr.*: February – July. *Selected specimens*: Bahraich, O.P. Misra 7897 (BSA); Balrampur, K.K. Khanna 59932 (BSA); Gonda, K.K. Khanna 37197 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10754 (BSA).
- Dalbergia volubilis** Roxb. (Vern.: *Bankharra*)
In mixed forests. *Fl. & Fr.*: December – July. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38660 (BSA); Balrampur, K.K. Khanna 59922 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10733 (BSA).
- Dendrolobium triangulare** (Retz.) Schindl.
In sal forests. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, G. Panigrahi, 6503 (BSA), K.K. Khanna & Ram Saran 37603 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10512 (BSA).
- Derris cuneifolia** Benth.
In mixed forests. *Fl. & Fr.*: May – July. Gonda (Kanjilal, For. Fl. Pilibhit Oudh Gorakhpur Bundelkhand 145. 1982, repr. ed.).
- Derris kanjilalii** Sahnai & Naithani
In mixed forests. *Fl. & Fr.*: March – June. *Selected specimen*: Pilibhit, Sri Ram 246 (DD).
- Derris macrocarpa** Thoth.
In mixed forests. *Fl. & Fr.*: March – July. *Selected specimens*: Bahraich, Sri Ram 2667 (DD); Gorakhpur, Sri Ram, s.n. (DD).
- Derris scandens** (Roxb.) Benth.
var. *saharanpurensis* (Thoth.) Thoth.
In mixed forests. *Fl. & Fr.*: March – June. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 516 (BSD).
- var. *scandens*
Fl. & Fr.: March – June. Botanical Garden, Saharanpur.
- Desmodium benthamii** N.P. Balakr.
Along forest roadsides. *Fl. & Fr.*: September – January. *Selected specimens*: Bahraich, Sri Ram 785 (DD); Pilibhit, Nand Kishore 784 (DD).
- Desmodium gangeticum** (L.) DC. (Vern.: *Shalparni*)
In mixed forests, wastelands and grassy fields. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, G. Panigrahi 2972 (BSA); Gonda, K.K. Khanna & Ram Saran 37304 (BSA); Gorakhpur, C.M. Arora 1503 (BSA); Sant Kabir Nagar, K.K. Khanna 67966 (BSA); Shravasti, K.K. Khanna 48028 (BSA).
- Desmodium heterocarpon** (L.) DC. (Vern.: *Kabra*)
Along stream banks. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, O.P. Misra 7950 (BSA); Gorakhpur, C.M. Arora 1470 (BSA).
- Desmodium laxiflorum** DC.
In mixed forests. *Fl. & Fr.*: August – October. *Selected specimen*: Saharanpur, J.V.S. Rao 38967 (BSD).
- Desmodium microphyllum** (Thunb.) DC.

As an undergrowth in forests. *Fl. & Fr.*: August – December. *Selected specimens*: Kheri, *Inayat* 21486, 21486a (DD).

***Desmodium multiflorum* DC.**

In sal forests. *Fl. & Fr.*: June – September. *Selected specimen*: Muzaffarnagar, *R.K. Gupta*, Acc. No. 36842 (LWG).

***Desmodium neomexicanum* A.Gray**

In scrub forests. *Fl. & Fr.*: August – November. *Selected specimen*: Saharanpur, *Jameson s.n.* (DD).

***Desmodium oojeinense* (Roxb.) H. Ohashi (Vern.: Sanan)**

In mixed forests. *Fl. & Fr.*: February – May. *Selected specimen*: Bahraich, *G. Panigrahi* 2947 (BSA).

***Desmodium tortuosum* (Sw.) DC.**

In grassy fields. *Fl. & Fr.*: September – November. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 412 (BSD).

***Desmodium triflorum* (L.) DC. (Vern.: Lalchita)**

In grassy fields and scrub forests. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, *G. Panigrahi* 2959 (BSA); Balrampur, *K.K. Khanna* 54976 (BSA); Basti, *K.K. Khanna* 46553 (BSA); Gonda, *K.K. Khanna* 37149 (BSA); Gorakhpur, *G. Panigrahi & Ram Saran* 10757 (BSA).

***Desmodium velutinum* (Willd.) DC.**

In sal forests. *Fl. & Fr.*: August – January. *Selected specimens*: Bahraich, *G. Panigrahi* 6628 (BSA); Balrampur, *K.K. Khanna* 54970 (BSA); Gorakhpur, *G. Panigrahi & Ram Saran* 10760 (BSA).

***Dolichos trilobus* L.**

On the outskirts of forests. *Fl. & Fr.*: January – March. *Selected specimen*: Bahraich, *G. Panigrahi* 2890 (BSA).

***Dumasia villosa* DC.**

In mixed forests. *Fl. & Fr.*: August – November. *Selected specimen*: Saharanpur, *Jameson* 811 (DD).

***Dunbaria glandulosa* (Dalzell) Prain**

In mixed forests. *Fl. & Fr.*: October – December. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 1115 (BSD).

***Endosamara racemosa* (Roxb.) R. Geesink**

In mixed forests. *Fl. & Fr.*: April – December. *Selected specimen*: Gonda, *K.K. Khanna & Ram Saran* 39181 (BSA).

***Erythrina arborescens* Roxb.**

In mixed forests. *Fl. & Fr.*: March – June. *Selected specimen*: Bahraich, *S.D. Maliya* 225936 (LWG).

***Erythrina resupinata* Roxb.**

In mixed forests. *Fl. & Fr.*: March – June. *Selected specimens*: Bahraich, *Inayat* 23617 (DD); Gorakhpur, *Harsukh* 21503 (DD); Kheri, *K.K. Singh* 8350 (CDRI).

***Erythrina suberosa* Roxb. (Vern.: Pangra)**

In mixed forests. *Fl. & Fr.*: March – April. *Selected specimens*: Gorakhpur, *Sri Ram* 670 (DD); Kheri, *Inayat* 21504 (DD).

***Erythrina variegata* L.**

In mixed forests. *Fl. & Fr.*: March – April. *Selected specimen*: Bahraich, *Inayat* 23616 (DD).

***Flemingia chappar* Buch.-Ham. ex Benth. (Vern.: Kasraut)**

In sal forests. *Fl. & Fr.*: February – May. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 38561 (BSA); Balrampur, *K.K. Khanna* 68722 (BSA); Gonda, *K.K. Khanna* 39219 (BSA); Gorakhpur, *C.M. Arora* 1430 (BSA).

***Flemingia lineata* (L.) Roxb. ex W.T. Aiton**

In sal and mixed forests. *Fl. & Fr.*: December – March. *Selected specimens*: Bahraich, *O.P. Misra* 7992 (BSA), *K.K. Khanna* 37679 (BSA); Gorakhpur, *G. Panigrahi & Ram Saran* 10724 (BSA).

***Flemingia macrophylla* (Willd.) Kuntze ex Merr.**

In mixed forests. *Fl. & Fr.*: October – May. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 37605, 38573 (BSA), *M.A. Rau* 8230 (BSD), *G. Panigrahi* 6504 (BSA); Balrampur, *K.K. Khanna* 54956B (BSA); Gonda, *K.K. Khanna* 46099 (BSA); Gorakhpur, *C.M. Arora* 1432 (BSA); Shravasti, *K.K. Khanna* 48011 (BSA).

***Flemingia paniculata* Wall. ex Benth.**

In shady places of sal forests. *Fl. & Fr.*: February – March. *Selected specimen*: Bahraich, *G. Panigrahi* 2904 (BSA).

***Flemingia praecox* C.B. Clarke ex Prain**

In mixed forests. *Fl. & Fr.*: February – April. *Selected specimen*: Balrampur, *K.K. Khanna* 54956A (BSA).

***Flemingia procumbens* Roxb.**

In grasslands. *Fl. & Fr.*: March – May. *Selected specimens*: Bahraich, *Inayat* 23620 (DD); Gorakhpur, *Harsukh* 21515 (DD).

***Flemingia prostrata* Roxb.**

In sal and mixed forests. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, *G. Panigrahi* 2888 (BSA), *G. Panigrahi & O.P. Mishra* 6458 (BSA).

***Flemingia strobilifera* (L.) Aiton & W.T. Aiton (Vern.: Pithawan)**

var. *nudiflora* Haines

In sal forests. *Fl. & Fr.*: September – March. *Selected specimen*: Bahraich, *O.P. Misra* 7945 (BSA).

var. *strobilifera*

In sal and mixed forests. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 38563 (BSA), *O.P. Misra* 7880 (BSA); Balrampur, *K.K. Khanna* 59964, 68703 (BSA); Gonda, *K.K. Khanna* 39209, 46098 (BSA); Gorakhpur, *C.M. Arora* 1416 (BSA); Sant Kabir Nagar, *K.K. Khanna* 68534B (BSA).

***Galactia tenuiflora* (Klein ex Willd.) Wight & Arn.**

In mixed and scrub forests. *Fl. & Fr.*: August – January. *Selected specimens*: Bijnor, *Akhtar* 373 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 296 (BSD).

***Geissaspis cristata* Wight & Arn.**

In mixed forests. *Fl. & Fr.*: October – December. Gorakhpur (Srivastava, *Fl. Gorakhpurensis* 100. 1976).

***Glycine max* (L.) Merr. (Vern.: Soybean)**

Cultivated. *Fl. & Fr.*: August – December. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 1257 (BSD).

***Indigofera astragalina* DC.**

Along forest roadsides and in grassy fields. *Fl. & Fr.*: August – September. *Selected specimen*: Pilibhit, *C.L. Malhotra* 50783 (CAL).

***Indigofera atropurpurea* Buch.-Ham. ex Hornem.**

In mixed forests. *Fl. & Fr.*: August – September. *Selected specimens*: Bahraich, *Inayat* 23622 (DD); Kheri, *Inayat* 21520 (DD); Gorakhpur, *Harsukh* 21519 (DD).

***Indigofera cassioides* Rottler ex DC. (Vern.: Basant)**

Along forest roadsides. *Fl. & Fr.*: October – May. *Selected specimens*: Bahraich, *G. Panigrahi* 2887 (BSA); Gorakhpur, *G. Panigrahi & Ram Saran* 10715 (BSA).

***Indigofera colutea* (Burm.f.) Merr.**

In mixed forests. *Fl. & Fr.*: April – December. *Selected specimen*: Saharanpur, Keshwanand 25037 (DD).

***Indigofera glabra* L.**
In dried sandy river beds. *Fl. & Fr.*: July – December. *Selected specimen*: Moradabad, T. Thomson 793 (DD).

***Indigofera glandulosa* Wendl.**
In mixed forests. *Fl. & Fr.*: November – March. *Selected specimen*: Bahraich, S.D. Maliya 224921 (LWG).

***Indigofera hamiltonii* Duthie & Prain**
In sal forests. *Fl. & Fr.*: April – June. *Selected specimens*: Bahraich, Inayat 23622 (DD); Kheri, Inayat 21520 (DD); Pilibhit, Sri Ram 2663 (DD).

***Indigofera heterantha* Wall. ex Brandis**
In grassy fields. *Fl. & Fr.*: May – July. *Selected specimen*: Pilibhit, D.D. Awasthi 316 (LWG).

***Indigofera linifolia* (L.f.) Retz. (Vern.: Leel)**
In grassy fields, scrub forests and along roadsides. *Fl. & Fr.*: August – February. *Selected specimens*: Bahraich, K.K. Khanna 37109, 39929 (BSA); Balrampur, K.K. Khanna 54946, 59910 (BSA); Gonda, K.K. Khanna 37148, 39137 (BSA); Gorakhpur, C.M. Arora 1517 (BSA); Shrivasti, K.K. Khanna 59945 (BSA).

***Indigofera thothathrii* Sanjappa**
In mixed forests. *Fl. & Fr.*: September – February. *Selected specimen*: Bahraich, H. Pirson 1412 (DD).

***Indigofera tinctoria* L. (Vern.: Vanni)**
Along roadsides and in open forests. *Fl. & Fr.*: September – February. *Selected specimens*: Bahraich, O.P. Misra 7859 (BSA); Balrampur, K.K. Khanna 54954 (BSA); Gonda, K.K. Khanna 39111 (BSA).

***Indigofera trifoliata* L.**
Along roadsides and in open forests. *Fl. & Fr.*: August – November. *Selected specimen*: Bahraich, S.D. Maliya 218576 (LWG).

***Lablab purpureus* (L.) Sweet (Vern.: Sem)**
Cultivated. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, O.P. Misra 7738 (BSA); Gonda, K.K. Khanna 39967 (BSA).

***Lathyrus aphaca* L.**
In moist and shady places of gardens and cultivated fields. *Fl. & Fr.*: January – March. *Selected specimens*: Bahraich, O.P. Misra 7840 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10606 (BSA).

***Lathyrus sativus* L. (Vern.: Khesari)**
Cultivated. *Fl. & Fr.*: January – March. *Selected specimens*: Bahraich, K.K. Khanna 38719 (BSA); Balrampur, K.K. Khanna 68182 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10504 (BSA); Sant Kabir Nagar, K.K. Khanna 68525 (BSA).

***Lathyrus sphaericus* Retz.**
In cultivated and grassy fields. *Fl. & Fr.*: January – March. *Selected specimens*: Bahraich, C.L. Malhotra 26603 (BSA), O.P. Misra 7763 (BSA).

***Lens culinaris* Medik. (Vern.: Masur)**
Cultivated. *Fl. & Fr.*: December – February. *Selected specimens*: Bahraich, O.P. Misra 7818 (BSA); Balrampur, K.K. Khanna 68729 (BSA); Gonda, K.K. Khanna 68424 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10624 (BSA); Sant Kabir Nagar, K.K. Khanna 68509 (BSA).

***Macrotyloma uniflorum* (Lam.) Verdc.**
Cultivated. *Fl. & Fr.*: November – April. North Oudh (Duthie, Fl. Gangetic Plain 1: 229. 1903).

***Medicago lupulina* L.**
In moist places of grassy fields. *Fl. & Fr.*: January – March. *Selected specimens*: Bahraich, K.K. Khanna 38721 (BSA); Gonda, K.K. Khanna & Ram Saran 37337 (BSA).

***Medicago polymorpha* L. emend. Shin. (Vern.: Jangli ghas)**
In moist wastelands and cultivated fields. *Fl. & Fr.*: January – March. *Selected specimens*: Bahraich, C.L. Malhotra 26659 (BSD); Gorakhpur, G. Panigrahi & Ram Saran 10505 (BSA); Sant Kabir Nagar, K.K. Khanna 65594 (BSA); Shrivasti, K.K. Khanna 66664 (BSA).

***Medicago sativa* L.**
Cultivated. *Fl. & Fr.*: May – September. *Selected specimen*: Saharanpur, Jameson 326 (DD).

***Melilotus albus* Medik. ex Desr. (Vern.: Safed senji)**
In moist and shady places of gardens and cultivated fields. *Fl. & Fr.*: January – April. *Selected specimens*: Bahraich, O.P. Misra 2925 (CAL); Gorakhpur, G. Panigrahi & Ram Saran 10649 (BSA); Sant Kabir Nagar, K.K. Khanna 67922 (BSA).

***Melilotus indicus* (L.) All. (Vern.: Banmethi)**
In moist places of gardens and cultivated fields. *Fl. & Fr.*: December – March. *Selected specimens*: Bahraich, O.P. Misra 7782 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10501 (BSA); Sant Kabir Nagar, K.K. Khanna 67967 (BSA).

***Milletia extensa* (Benth.) Baker (Vern.: Bhambhiri)**
In mixed forests. *Fl. & Fr.*: May – December. *Selected specimens*: Bahraich, K.K. Khanna 37923 (BSA), K.K. Khanna & Ram Saran 37637 (BSA); Gorakhpur, C.M. Arora 1530 (BSA).

***Mucuna nigricans* (Lour.) Steud.**
In sal and mixed forests. *Fl. & Fr.*: August – October. *Selected specimen*: Bahraich, Sri Ram 52639 (DD).

***Mucuna pruriens* (L.) DC. (Vern.: Kewanch)**
In mixed forests. *Fl. & Fr.*: September – January. *Selected specimen*: Bahraich, O.P. Misra 7925 (BSA).

***Ohwia caudata* (Thunb.) H. Ohashi**
In moist places. *Fl. & Fr.*: August – December. *Selected specimen*: Saharanpur, Jameson s.n. (DD).

***Paracalyx scariosus* (Roxb.) Ali**
In grassy fields. *Fl. & Fr.*: November – February. *Selected specimen*: Saharanpur, Royle 122 (DD).

***Phyllodium pulchellum* (L.) Desv. (Vern.: Gheopatti)**
Along forest roadsides and in forest clearings. *Fl. & Fr.*: September – February. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38562 (BSA); Balrampur, K.K. Khanna 68702 (BSA); Gonda, K.K. Khanna 38746 (BSA); Gorakhpur, C.M. Arora 1406 (BSA); Sant Kabir Nagar, K.K. Khanna 68534A (BSA).

***Pisum sativum* L. (Vern.: Matar)**
Cultivated. *Fl. & Fr.*: October – March. *Selected specimen*: Gonda, K.K. Khanna 68409 (BSA).

***Pongamia pinnata* (L.) Pierre (Vern.: Karanj)**
Planted along roadsides. *Fl. & Fr.*: April – December. *Selected specimen*: Balrampur, K.K. Khanna 68183 (BSA).

***Pterocarpus marsupium* Roxb. (Vern.: Bijasa)**
In mixed forests. *Fl. & Fr.*: October – January. Bahraich, (Pandey et al. in Environm. Conserv. J. 10: 78. 2009).

***Pueraria phaseoloides* (Roxb.) Benth.**
In mixed forests. *Fl. & Fr.*: February – June. *Selected specimen*: Kheri, Inayat 21464a (DD).

***Pueraria tuberosa* (Roxb. ex Willd.) DC. (Vern.: Bidari-kand)**
In mixed forests. *Fl. & Fr.*: February – June. *Selected specimens*: Bahraich, Inayat 23630 (DD); Balrampur,

K.K. Khanna 68184 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 1603 (BSD).

Rhynchosia bracteata Benth. ex Baker

In mixed forests. *Fl. & Fr.*: March – June. *Selected specimens*: Bahraich, *Sri Ram s.n.* (DD); Gorakhpur, *Harsukh* 21548 (DD).

Rhynchosia capitata (Heyne ex Roth) DC.

In mixed forests. *Fl. & Fr.*: August – January. *Selected specimen*: Muzaffarnagar, *R.C. Bharadwaja* Acc. No. 8481 (LWG).

Rhynchosia minima (L.) DC. (Vern.: *Tinpatia*)

On the outskirts of forests. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, *G. Panigrahi* 6507 (BSA); Balrampur, *K.K. Khanna* 68191 (BSA).

Rhynchosia rothii Benth. ex Aitch.

On the outskirts of forests and in scrub forests. *Fl. & Fr.*: August – January. *Selected specimens*: Bahraich, *G. Panigrahi* 6509 (BSA), *V. Chandra & party* 12033 (LWG); Gonda, *V. Chandra & party* 12485 (LWG).

Rhynchosia viscosa (Roth) DC.

On the outskirts of forests. *Fl. & Fr.*: January – March. *Selected specimen*: Moradabad, *T. Thomson* 821 (DD).

Sesbania bispinosa (Jacq.) W.Wight (Vern.: *Dhaincha*)

In water-logged places along roadsides and in cultivated fields. *Fl. & Fr.*: September – January. *Selected specimens*: Bahraich, *S.D. Maliya* 214871 (LWG); Balrampur, *K.K. Khanna* 68185 (BSA); Gorakhpur, *G. Panigrahi & Ram Saran* 10618 (BSA); Saharanpur, *Jameson* 550 (DD).

Sesbania sesban (L.) Merr. (Vern.: *Jayanti*)

Planted. *Fl. & Fr.*: February – December. *Selected specimens*: Bahraich, *G. Panigrahi* 2935 (BSA); Gonda, *K.K. Khanna* 46062 (BSA).

Shuteria involucrata (Wall.) Wight & Arn.

var. *involucrata*

As forest undergrowth. *Fl. & Fr.*: December – February. *Selected specimen*: Kheri, *C.L. Malhotra* 23522 (BSD).

var. *glabrata* (Wight & Arn.) H. Ohashi

In mixed forests. *Fl. & Fr.*: December – April. *Selected specimen*: Saharanpur, *Duthie, s.n.* (DD).

Spatholobus parviflorus (Roxb. ex DC.) Kuntze

In mixed forests. *Fl. & Fr.*: April – September. *Selected specimens*: Bahraich, *G. Panigrahi & O.P. Misra* 6603 A (BSA), *Hira Lal* 471 (LWG).

Tadehagi triquetrum (L.) H. Ohashi

In mixed forests. *Fl. & Fr.*: August – March. *Selected specimens*: Kheri, *Inayat* 23615 (DD); Pilibhit, *D.D. Awasthi* 315 (DD).

Tephrosia candida DC.

In open forests. *Fl. & Fr.*: August – December. *Selected specimen*: Gorakhpur, *C.M. Arora* 1539 (BSA).

Tephrosia pumila (Lam.) Pers.

In wastelands. *Fl. & Fr.*: August – November. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 978 (BSD).

Tephrosia purpurea (L.) Pers. (Vern.: *Sarponkha*)

Along roadsides and in open wastelands. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Bahraich, *K.K. Khanna AICRPE* 95 (BSA); Balrampur, *K.K. Khanna* 36893; Gonda, *K.K. Khanna* 39097 (BSA); Gorakhpur, *C.M. Arora* 1464 (BSA).

Teramnus labialis (L.f.) Spreng.

In wastelands and open forests. *Fl. & Fr.*: September – December. *Selected specimen*: Gorakhpur, *G. Panigrahi & Ram Saran* 10798 (BSA).

Teramnus mollis Benth.

On the outskirts of forests. *Fl. & Fr.*: July – December. Moradabad (*Duthie, Fl. Gangetic Plain* 1: 233. 1903).

Trifolium alexandrinum L. (Vern.: *Barseen*)

Cultivated and also found as an escape. *Fl. & Fr.*: March – May. *Selected specimens*: Balrampur, *K.K. Khanna* 39955 (BSA); Gonda, *K.K. Khanna* 37153 (BSA).

Trifolium dubium Sibth.

In mixed forests. *Fl. & Fr.*: November – March. *Selected specimen*: Bahraich, *O.P. Misra* 8019 (BSA).

Trifolium resupinatum L.

Along roadsides and in grassy fields. *Fl. & Fr.*: February – March. *Selected specimens*: Moradabad, *H.L. Prasad* 79929 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 586 (BSD).

Trifolium tomentosum L.

In wastelands. *Fl. & Fr.*: November – March. *Selected specimens*: Bijnor, *Attiar* 207 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 572 (BSD).

Trigonella balansae Boiss. & Reut.

In moist places of wastelands. *Fl. & Fr.*: February – March. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 1471 (BSD).

Trigonella foenum-graecum L. (Vern.: *Methi*)

Cultivated. *Fl. & Fr.*: January – March. *Selected specimens*: Bahraich, *G. Panigrahi* 2865 (BSA); Gonda, *K.K. Khanna* 68410 (BSA).

Uria lagopus DC. (Vern.: *Pithwan*)

var. *lagopus*

In mixed forests. *Fl. & Fr.*: September – October. *Selected specimens*: Gonda, *K.K. Khanna* 46186 (BSA); Saharanpur, *Y.S. Murty & A.K. Goel* 813 (BSD).

var. *neglecta* (Prain) H. Ohashi

In mixed forests. *Fl. & Fr.*: August – October. *Selected specimen*: Bahraich, *S.D. Maliya* 224535 (LWG).

Uria picta (Jacq.) Desv. ex DC.

In mixed forests. *Fl. & Fr.*: August – January. *Selected specimen*: Bahraich, *S.D. Maliya* 224611 (LWG).

Uria prunellifolia Graham ex Baker

In mixed forests. *Fl. & Fr.*: April – May. *Selected specimens*: Bahraich, *Sri Ram* 145073 (DD); Gorakhpur, *Harsukh* 21490 (DD); Kheri, *Inayat* 21490 (DD).

Uria rufescens (DC.) Schindl.

In moist places of forests. *Fl. & Fr.*: August – October. *Selected specimen*: Kheri, *U. Shukla* 70079 (BSD).

Vicia faba L. (Vern.: *Bakla*)

Cultivated. *Fl. & Fr.*: February – March. *Selected specimen*: Gorakhpur, *G. Panigrahi & Ram Saran* 10598 (BSA).

Vicia hirsuta (L.) Gray (Vern.: *Masuri*)

In wastelands and cultivated fields. *Fl. & Fr.*: November – March. *Selected specimens*: Bahraich, *G. Panigrahi* 2736 (BSA); Gorakhpur, *G. Panigrahi & Ram Saran* 10601 (BSA).

Vicia sativa L. (Vern.: *Ankara*)

In gardens and cultivated fields. *Fl. & Fr.*: January – March. *Selected specimens*: Bahraich, *K.K. Khanna* 38698 (BSA); Balrampur, *K.K. Khanna* 68731 (BSA); Gorakhpur, *G. Panigrahi & Ram Saran* 10506 (BSA).

Vigna angularis (Willd.) Ohwi & H. Ohashi

In mixed forests. *Fl. & Fr.*: September – October. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 813 (BSD).

Vigna mungo (L.) Hepper (Vern.: *Tikari*)

Cultivated. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, S.D. Maliya 224924 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 770 (BSD).

Vigna trilobata (L.) Verdc.

Along roadsides and river banks. *Fl. & Fr.*: September – November. Bahraich (Saini in J. Econ. Taxon. Bot. 29 (3): 566. 2005).

Vigna umbellata (Thunb.) Ohwi & H. Ohashi

In mixed forests. *Fl. & Fr.*: October – November. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1181 (BSD).

Vigna unguiculata (L.) Walp. subsp. ***cylindrica*** (L.) Verdc. (Vern.: *Lobia*)

Cultivated. *Fl. & Fr.*: October – November. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 580 (BSD).

Vigna vexillata (L.) A. Rich.

In scrub forests. *Fl. & Fr.*: October – November. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1880 (BSD).

Zornia diphylla (L.) Pers.

In grassy fields. *Fl. & Fr.*: August – December. *Selected specimens*: Bijnor, J.P. Sharma 67258 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 942 (BSD).

Zornia gibbosa Span.

In grassy fields. *Fl. & Fr.*: August – December. Bahraich (Saini in J. Econ. Taxon. Bot. 29 (3): 567. 2005).

Caesalpinaceae

Bauhinia acuminata L. (Vern.: *Sivamalli*)

Planted in gardens. *Fl. & Fr.*: March – May. *Selected specimens*: Bareilly, S.N. Pathak Acc. No. 5788 (LWG); Saharanpur, R.N. Parker 6128 (DD).

Bauhinia malabarica Roxb. (Vern.: *Sahoul*)

In mixed forests. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37604 (BSA); Gorakhpur, C.M. Arora 1512 (BSA); Kheri, G. Saran & party 26437 (LWG); Pilibhit, B.K. Shukla 61617 (BSA); Sitapur, G. Saran & party 26524 (LWG).

Bauhinia purpurea L. (Vern.: *Kachnar*)

Planted in gardens. *Fl. & Fr.*: September – March. *Selected specimens*: Kheri, B.K. Shukla 61402 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 1032 (BSD).

Bauhinia racemosa Lam. (Vern.: *Ashta, Kachnal*)

In mixed forests. *Fl. & Fr.*: April – August. *Selected specimens*: Bahraich, K.K. Khanna 39861 (BSA); Balrampur, K.K. Khanna 65344 (BSA); Gonda, K.K. Khanna & Ram Saran 39202 (BSA); Saharanpur, O.P. Misra 37952 (BSD); Sant Kabir Nagar, K.K. Khanna 68533 (BSA).

Bauhinia roxburghiana Voigt

Cultivated in gardens. *Fl. & Fr.*: July – November. Bahraich (Saini in J. Econ. Taxon. Bot. 29 (3): 569. 2005).

Bauhinia semla Wunderlin (Vern.: *Semla*)

In mixed forests. *Fl. & Fr.*: September – February. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1176 (BSD).

Bauhinia vahlii Wight & Arn. (Vern.: *Mahurayan*)

In sal and mixed forests. *Fl. & Fr.*: April – February. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38653 (BSA), K.K. Khanna 39905 (BSA); Balrampur, K.K. Khanna 68110, 68769, 68770 (BSA); Gonda, K.K. Khanna 37214, 68447 (BSA); Gorakhpur, K.K. Khanna 66538 (BSA); Maharajganj, K.K. Khanna

68073 (BSA); Saharanpur, Gamble 26405 (DD); Shrivasti, K.K. Khanna 65649 (BSA).

Bauhinia variegata L. (Vern.: *Kachnar*)

In mixed forests. *Fl. & Fr.*: September – April. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38687 (BSA), G. Panigrahi 3010 (BSA); Shrivasti, K.K. Khanna 65626 (BSA); Sitapur, Kaul & party 19781 (LWG).

Caesalpinia bonduc (L.) Roxb. (Vern.: *Karanja*)

Along roadsides. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, G. Panigrahi 6586 (BSA), P. Singh 16642 (LWG); Bijnor, J.P. Sharma 67154 (BSD); Gorakhpur, K.K. Khanna 66541 (BSA); Kheri, C.L. Malhotra 13473 (BSD); Sant Kabir Nagar, K.K. Khanna 65546 (BSA); Shrivasti, K.K. Khanna 65609 (BSA).

Caesalpinia crista L. (Vern.: *Kakronda*)

In mixed forests. *Fl. & Fr.*: September – February. *Selected specimens*: Bahraich, O.P. Misra 7900 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10642 (BSA).

Caesalpinia cucullata Roxb. (Vern.: *Bishkhopra*)

In mixed forests. *Fl. & Fr.*: November – February. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37683 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10661 (BSA).

Caesalpinia decapetala (Roth) Alston (Vern.: *Aila*)

In mixed forests. *Fl. & Fr.*: October – April. *Selected specimens*: Bahraich, G. Panigrahi 2968 (BSA); Gonda, K.K. Khanna 39159, 39989 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10615 (BSA); Shrivasti, K.K. Khanna 66668 (BSA).

Caesalpinia digyna Rottler

In mixed forests. *Fl. & Fr.*: October – December. *Selected specimen*: Gorakhpur, Sri Ram 937 (DD).

Caesalpinia pulcherrima (L.) Sw. (Vern.: *Gulutora*)

Planted in gardens. *Fl. & Fr.*: September – March. *Selected specimen*: Gonda, K.K. Khanna & Ram Saran 37213 (BSA).

Cassia fistula L. (Vern.: *Amaltas*)

In deciduous forests and along roadsides. *Fl. & Fr.*: April – December. *Selected specimens*: Bahraich, S.D. Maliya 223753 (LWG); Gonda, K.K. Khanna & Ram Saran 37232 (BSA); Kheri, B.K. Shukla 65962 (BSA).

Cassia renigera Wall. ex Benth.

Planted in gardens. *Fl. & Fr.*: May – June. *Selected specimen*: Gorakhpur, G. Panigrahi & Ram Saran 10698 (BSA).

Chamaecrista absus (L.) H.S. Irwin & Barneby (Vern.: *Chaksu*)

Along roadsides. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, S.D. Maliya 224612 (LWG); Gonda, K.K. Khanna & Ram Saran 39197 (BSA).

Chamaecrista nictitans (L.) Moench

In mixed forests. *Fl. & Fr.*: August – December. *Selected specimen*: Bahraich, S.D. Maliya 227170 (LWG).

Chamaecrista pumila (Lam.) V. Singh

In wastelands, grassy fields, edges of forests and along roadsides. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, G. Panigrahi 6617 (BSA); Shahjahanpur, Duthie 3957 (DD).

Chamaecrista wallichiana (DC.) V. Singh

In moist shady places. *Fl. & Fr.*: June – October. *Selected specimen*: Saharanpur s.n. (DD).

Delonix regia (Bojer ex Hook.) Raf. (Vern.: *Gulmohar*)

Planted in gardens and along roadsides. *Fl. & Fr.*: April – August. *Selected specimens*: Bahraich, S.D. Maliya 223783 (LWG); Balrampur, K.K. Khanna & Ram Saran 37139 (BSA), K.K. Khanna 39228 (BSA); Sant Kabir Nagar, K.K. Khanna 67923 (BSA).

Hardwickia binata Roxb. (Vern.: Parsidh)

In deciduous forests. *Fl. & Fr.*: October – April. *Selected specimen*: Gonda, K.K. Khanna & Ram Saran 38754 (BSA).

Moullava spicata (Dalzell) Nicolson

In mixed forests. *Fl. & Fr.*: September – November. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 38748 (BSA); Gorakhpur C.M. Arora, A-1 (BSA).

Parkinsonia aculeata L. (Vern.: Vilayati-babul)

Along roadsides. *Fl. & Fr.*: March – June. *Selected specimens*: Bahraich, G. Panigrahi 6636A (BSA); Balrampur, K.K. Khanna 65301 (BSA); Gonda, K.K. Khanna 46002 (BSA).

Senna alata (L.) Roxb.

In moist places. *Fl. & Fr.*: December – June. *Selected specimen*: Sitapur, B.K. Shukla 61666 (BSA).

Senna auriculata (L.) Roxb. (Vern.: Tarwar)

In wastelands. *Fl. & Fr.*: July – December. *Selected specimen*: Sitapur, Ram Pher 19806 (LWG).

Senna obtusifolia (L.) H.S.Irwin & Barneby (Vern.: Panevar)

On the outskirts of forests. *Fl. & Fr.*: August – April. *Selected specimen*: Bahraich, G. Panigrahi 6409 (BSA).

Senna occidentalis (L.) Link (Vern.: Kasondi)

In wastelands and along roadsides. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37654, 38631 (BSA); Balrampur, K.K. Khanna 54965 (BSA); Gonda, K.K. Khanna & Ram Saran 37205, 39122 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10674 (BSA); Kheri, B.K. Shukla 65913 (BSA); Sant Kabir Nagar, K.K. Khanna 67924 (BSA).

Senna siamea (Lam.) H.S.Irwin & Barneby

Planted along roadsides. *Fl. & Fr.*: Throughout the year. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37651 (BSA); Balrampur, K.K. Khanna 65324, 68712 (BSA); Gonda, K.K. Khanna 65216 (BSA); Kheri, B.K. Shukla 61369 (BSA).

Senna sophera (L.) Roxb. (Vern.: Chakunda)

var. **purpurea** (Roxb. ex Lindl.) V.Singh

In wastelands. *Fl. & Fr.*: Throughout the year. *Selected specimens*: Moradabad, H.L. Prasad 79987 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1865 (BSD).

var. **sophera**

In wastelands. *Fl. & Fr.*: September – January. *Selected specimen*: Gonda, Sri Ram 806 (DD).

Senna surattensis (Burm.f.) H.S.Irwin & Barneby

Planted. *Fl. & Fr.*: August – March. *Selected specimens*: Saharanpur, Y.S. Murty & A.K. Goel 1203 (BSD), J.V.S. Rao 39938 (BSD).

Senna tora (L.) Roxb. (Vern.: Chakunda)

Along roadsides and in wastelands. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38631, 38707 (BSA); Balrampur, K.K. Khanna 68186 (BSA); Sant Kabir Nagar, K.K. Khanna 67925 (BSA).

Tamarindus indica L. (Vern.: Imli)

Along roadsides and in villages. *Fl. & Fr.*: August – May. *Selected specimens*: Balrampur, K.K. Khanna 39226 (BSA); Gonda, K.K. Khanna & Ram Saran 37345 (BSA).

Mimosaceae

Acacia auriculiformis A.Cunn. ex Benth.

Planted along roadsides. *Fl. & Fr.*: August – January. *Selected specimens*: Balrampur, K.K. Khanna 39975, 59953 (BSA); Basti, K.K. Khanna 46619 (BSA); Gonda, K.K. Khanna 39220 (BSA); Shravasti, K.K. Khanna 65631 (BSA).

Acacia catechu (L.f.) Willd. (Vern.: Khair)

In mixed and khair forests. *Fl. & Fr.*: July – April. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6515 (BSA); Gonda, K.K. Khanna 39152 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10710 (BSA); Kheri, B.K. Shukla 65904 (BSA); Shravasti, K.K. Khanna 36894, 48035 (BSA).

Acacia concinna (Willd.) DC.

In mixed forests. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, K.K. Singh & party 6180 (LWG), K.K. Khanna 37633 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10681 (BSA).

Acacia eburnea (L.f.) Willd. (Vern.: Pahari kikar)

In mixed forests. *Fl. & Fr.*: March – May. *Selected specimen*: Saharanpur, R.S. Hole 34694 (DD).

Acacia farnesiana (L.) Willd. (Vern.: Kikkar, Vilayati kikar)

In scrub forests. *Fl. & Fr.*: November – March. *Selected specimens*: Bahraich, M.A. Rau 8183 (BSD); Gonda, Harsukh 21565 (BSD); Shravasti, K.K. Khanna 65645 (BSA); Sitapur, G. Saran & party 26801 (LWG).

Acacia gageana Craib

In ravines. *Fl. & Fr.*: August – April. *Selected specimens*: Saharanpur, R.N. Parker 41550 (DD), Y.S. Murty & A.K. Goel 175 (BSD).

Acacia intsia (L.) Willd.

In mixed forests. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, V. Chandra & party 1126 (LWG); Kheri, Inayat 21566 (DD); Pilibhit, D.D. Awasthi 335 (LWG).

Acacia lenticularis Buch.-Ham. ex Benth.

In mixed forests. *Fl. & Fr.*: April – January. *Selected specimens*: Pilibhit, Sri Ram 938 (DD); Saharanpur, Duthie s.n. (DD).

Acacia modesta Wall. (Vern.: Phuldhii)

In ravines. *Fl. & Fr.*: March – December. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1567 (BSD).

Acacia nilotica (L.) Delile subsp. **indica** (Benth.) Brenan (Vern.: Babool)

Along roadsides. *Fl. & Fr.*: May – March. *Selected specimens*: Balrampur, K.K. Khanna 59933, 65325 (BSA); Gonda, K.K. Khanna & Ram Saran 37225 (BSA), Kheri, B.K. Shukla 65909 (BSA); Sant Kabir Nagar, K.K. Khanna 67968 (BSA).

Acacia pennata (L.) Willd. (Vern.: Alia)

In mixed forests. *Fl. & Fr.*: April – February. *Selected specimen*: Bahraich, G. Panigrahi 2906 (BSA).

Acacia pseudo-eburnea J.R.Drum. ex Dunn

In ravines. *Fl. & Fr.*: December – May. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1365 (BSD).

Acacia torta (Roxb.) Craib.

In mixed forests. *Fl. & Fr.*: April – August. *Selected specimens*: Bijnor, J.P. Sharma 67248 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 175 (BSD).

Adenanthera pavonina L. (Vern.: Rakt-chandan)

- In mixed forests. *Fl. & Fr.*: March – June. *Selected specimens*: Gorakhpur, *Harsukh* 21568 (DD); Saharanpur, Y.S. Murty & A.K. Goel 1670 (BSD).
- Albizia chinensis*** (Osbeck) Merr.
var. ***chinensis***
In mixed forests. *Fl. & Fr.*: April – July. *Selected specimen*: Kheri, K.K. Singh 2896 (CDRI).
var. ***smithiana*** (Roxb.) K.C.Sahni, S.Chawla & B.Sahni
In mixed forests. *Fl. & Fr.*: April – July. North Oudh (Duthie, *Fl. Gangetic Plain* 1: 320. 1903).
- Albizia lebbeck*** (L.) Benth. (Vern.: *Siris*)
In mixed forests and along roadsides. *Fl. & Fr.*: April – December. *Selected specimens*: Bahraich, K.K. Khanna 38693 (BSA); Balrampur, K.K. Khanna 65305, 65327 (BSA); Gonda, K.K. Khanna 39940 (BSA); Pilibhit, B.K. Shukla 61637 (BSA); Sant Kabir Nagar, K.K. Khanna 65520 (BSA); Sitapur, B.K. Shukla 61665 (BSA).
- Albizia lucidior*** (Steud.) I.C.Nielsen
In mixed forests. *Fl. & Fr.*: April – September. *Selected specimen*: Saharanpur, *Gamble* 6620 (DD).
- Albizia odoratissima*** (L.) Benth. (Vern.: *Kala-siris*)
In mixed forests. *Fl. & Fr.*: September – February. Bahraich (Saini in *J. Econ. Taxon. Bot.* 29 (3): 573. 2005).
- Albizia procera*** (Roxb.) Benth. (Vern.: *Safed-siris*)
In mixed forests. *Fl. & Fr.*: August – April. *Selected specimens*: Bahraich, S.D. Maliya 224950 (LWG); Kheri, *Inayat* 21569 (DD); Saharanpur, Y.S. Murty & A.K. Goel 262 (BSD).
- Albizia saman*** (Jacq.) Merr.
In ravines. *Fl. & Fr.*: March – June. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 132 (BSD).
- Albizia thompsonii*** Brandis
On hills. *Fl. & Fr.*: January – June. *Selected specimen*: Saharanpur, *Gamble* 24552 (DD).
- Calliandra haematocephala*** Hassk.
Planted in gardens. *Fl. & Fr.*: February – June. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 255 (BSD).
- Calliandra inermis*** (L.) Druce
Planted in gardens. *Fl. & Fr.*: June – October. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 244 (BSD).
- Indoptadenia oudhensis*** (Brandis) Brenan (Vern.: *Genti*)
In mixed forests. *Fl. & Fr.*: April – June. *Selected specimens*: Bahraich, *Sri Ram* s.n. (DD); Gonda, *Inayat* 23638 (DD); Saharanpur, *R.N. Parker* 6758 (DD).
- Leucaena latisiliqua*** (L.) Gillis (Vern.: *Reonja*)
Planted along roadsides and in villages. *Fl. & Fr.*: August – April. *Selected specimens*: Bahraich, O.P. Misra 7822 (BSA); Balrampur, K.K. Khanna 39951, 59967 (BSA); Deoria, K.K. Khanna 66558 (BSA); Gonda, K.K. Khanna 39951 (BSA); Gorakhpur, K.K. Khanna 66501 (BSA); Kushinagar, K.K. Khanna 66518 (BSA); Sitapur, B.K. Shukla 61320 (BSA).
- Mimosa himalayana*** Gamble (Vern.: *Alai*)
On the outskirts of forests and field boundaries. *Fl. & Fr.*: August – April. *Selected specimens*: Bahraich, G. Panigrahi 2990 (BSA), K.K. Khanna & Ram Saran 38587 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10554 (BSA); Balrampur, K.K. Khanna 54907 (BSA).
- Mimosa pudica*** L. (Vern.: *Chhui-mui*)
Along roadsides and in the gardens. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, S.D. Maliya 224523 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 688 (BSD).
- Neptunia oleracea*** Lour. (Vern.: *Lajala*)
In ponds and puddles along roadsides. *Fl. & Fr.*: September – April. *Selected specimen*: Sant Kabir Nagar, K.K. Khanna 67926 (BSA).
- Pithecellobium dulce*** (Roxb.) Benth. (Vern.: *Jangal-jalebee*)
Along roadsides. *Fl. & Fr.*: January – May. *Selected specimens*: Bahraich, M.A. Rau 8179 (BSD); Shrivasti, K.K. Khanna 68684 (BSA).
- Prosopis cineraria*** (L.) Druce (Vern.: *Chaonka, Shamee*)
In scrub forests and planted in gardens. *Fl. & Fr.*: December – June. *Selected specimens*: Pilibhit, *Hira Lal* 2060 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 259 (BSD); Sitapur, G.S. Srivastava & party 26806 (LWG).
- Prosopis glandulosa*** Torr.
In dried regions. *Fl. & Fr.*: April – June. *Selected specimen*: Saharanpur, s.n. (DD).
- Prosopis juliflora*** (Sw.) DC. (Vern.: *Vilayati-babool*)
Along roadsides and in wastelands. *Fl. & Fr.*: April – January. *Selected specimens*: Bahraich, K.K. Khanna 38736 (BSA); Balrampur, K.K. Khanna 46086 (BSA); Gonda, K.K. Khanna & Ram Saran 37263 (BSA).
- Rosaceae**
- Duchesnea indica*** (Andr.) Focke
In moist shady places of sal forests. *Fl. & Fr.*: June – August. *Selected specimens*: Bahraich, G. Panigrahi 2885 (BSA); Gorakhpur, S.L. Kapoor 26 (LWG); Kheri, C.L. Malhotra 31520 (BSD).
- Potentilla supina*** L.
On the banks of river and near dried up ponds. *Fl. & Fr.*: January – May. *Selected specimens*: Bahraich, O.P. Misra 7998 (BSA); Bareilly, *Kaul & party* 19055 (LWG); Gorakhpur, G. Panigrahi & Ram Saran 10529 (BSA); Kheri, G. Saran & party 26351 (LWG); Moradabad, C.L. Malhotra 20280 (BSD); Sant Kabir Nagar, K.K. Khanna 67927 (BSA).
- Prunus amygdalus*** Batsch (Vern.: *Badam*)
Cultivated. *Fl. & Fr.*: February – July. *Selected specimen*: Bareilly, *Kaul & party* 19052 (LWG).
- Prunus domestica*** subsp. *insititia* (L.) C.K.Schneid. (Vern.: *Alubukhara*)
Cultivated. *Fl. & Fr.*: March – September. *Selected specimens*: Kheri, J.K. Maheshwari & party EBH-300 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 1467 (BSD).
- Prunus persica*** (L.) Batsch (Vern.: *Aru*)
Cultivated. *Fl. & Fr.*: January – June. *Selected specimens*: Kheri, J.K. Maheshwari & party EBH-349 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 1466 (BSD).
- Pyrus communis*** L.
Cultivated. *Fl. & Fr.*: April – July. *Selected specimen*: Kheri, G. Saran & party 26213 (LWG).
- Pyrus pashia*** Buch.-Ham. ex D.Don
Cultivated. *Fl. & Fr.*: June – September. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 2017 (BSD).
- Pyrus pyrifolia*** (Burm.f.) Nakai var. *culta* (Makino) Nakai (Vern.: *Nashpati*)
Cultivated. *Fl. & Fr.*: April – September. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1457 (BSD).

Rosa clinophylla Thory

var. **clinophylla**

In marshy places and along river banks. *Fl. & Fr.*: February – April. *Selected specimens*: Gorakhpur, Duthie s.n. (DD), Harsukh 26608 (DD); Saharanpur, Jameson 1785 (DD).

var. **glabra** (Lindl. ex Prain) Ghora & Panigrahi

Along river banks. *Fl. & Fr.*: March – April. *Selected specimen*: Gorakhpur, Harsukh 21608A (DD).

Rubus ellipticus Sm.

Planted. *Fl. & Fr.*: February – April. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 2013 (BSD).

Rubus niveus Thunb.

Planted. *Fl. & Fr.*: February – March. *Selected specimen*: Saharanpur, V. Chandra & party 42860 (LWG).

Crassulaceae

Bryophyllum pinnatum (Lam.) Oken

Cultivated. *Fl. & Fr.*: February – April. Bahraich (Saini in J. Econ. Taxon. Bot. 29: 576. 2005).

Kalanchoe integra (Medik.) Kuntze

Cultivated. *Fl. & Fr.*: February – May. *Selected specimen*: Bahraich, S.D. Maliya 214834 (LWG).

Rhizophoraceae

Carallia brachiata (Lour.) Merr.

In mixed forests along streams. *Fl. & Fr.*: December – April. Bahraich (Duthie, Fl. Gangetic Plain 1: 334. 1903).

Combretaceae

Anogeissus latifolia (Roxb. ex DC.) Wall. ex Guill. & Perr. (Vern.: Dhawada)

In deciduous forests. *Fl. & Fr.*: May – December. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 38740 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 1145 (BSD).

Anogeissus pendula Edgew. (Vern.: Dhaura)

In mixed forests. *Fl. & Fr.*: April – November. Bahraich (Saini in J. Econ. Taxon. Bot. 29: 576. 2005).

Anogeissus sericea Brandis

In mixed forests. *Fl. & Fr.*: January – May. *Selected specimen*: Kheri, Inayat 23642 (DD).

Combretum albidum G. Don

In mixed forests. *Fl. & Fr.*: November – May. *Selected specimen*: Gorakhpur, C.M. Arora 1547 (BSA).

Combretum album Pers. (Vern.: Punk)

In mixed and scrub forests. *Fl. & Fr.*: November – May. *Selected specimens*: Bahraich, V. Chandra & party 12129 (LWG); Gonda, K.K. Khanna & Ram Saran 38752, 39155 (BSA); Gorakhpur, C.M. Arora 1547 (BSA).

Combretum indicum (L.) DeFilipps (Vern.: Malti)

Planted in gardens. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Kheri, C.L. Malhotra 31561 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 298 (BSD).

Combretum nanum Buch.-Ham. ex D. Don

In mixed forests and on the outskirts of forests. *Fl. & Fr.*: March – June. *Selected specimens*: Bahraich Inayat 23643 (DD); Balrampur, K.K. Khanna 67891 (BSA); Gorakhpur, Harsukh 21408 (DD); Kheri, G. Saran & party 26278 (LWG); Maharajganj, S.L. Kapoor 61 (LWG).

Getonia floribunda Roxb.

In mixed forests. *Fl. & Fr.*: January – May. *Selected specimen*: Saharanpur, R.N. Parker 7976 (DD).

Terminalia alata Heyne ex Roth (Vern.: Asna, Saja)

In mixed forests. *Fl. & Fr.*: June – March. *Selected specimens*: Bahraich, S.D. Maliya 227123 (LWG); Balrampur, K.K. Khanna 68714 (BSA); Basti, K.K. Khanna 65667 (BSA); Gorakhpur, K.K. Khanna 66525 (BSA); Kheri, G. Saran & party 26338 (LWG); Maharajganj, K.K. Khanna 68011 (BSA); Pilibhit, C.L. Malhotra 42804 (BSD); Shravasti, K.K. Khanna 65624 (BSA).

Terminalia arjuna (Roxb. ex DC.) Wight & Arn. (Vern.: Arjun)

Along the banks of rivers and streams, also planted along roadsides. *Fl. & Fr.*: April – December. *Selected specimens*: Balrampur, K.K. Khanna 59955 (BSA); Basti, K.K. Khanna 65695 (BSA); Gonda, K.K. Khanna & Ram Saran 37291 (BSA); Gorakhpur, K.K. Khanna 66549 (BSA); Maharajganj, K.K. Khanna 68152 (BSA); Saharanpur, B.M. Wadhwa 62990 (BSD).

Terminalia bellirica (Gaertn.) Roxb. (Vern.: Bahera)

In mixed forests. *Fl. & Fr.*: April – February. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6650A (BSA); Gonda, K.K. Khanna 40000, 46028 (BSA); Kheri, Inayat 21406B (DD); Pilibhit, D.D. Awasthi 329 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 1153 (BSD).

Terminalia chebula Retz. (Vern.: Harra)

In mixed forests. *Fl. & Fr.*: March – December. *Selected specimens*: Bahraich, Inayat 23640 (DD); Gonda, K.K. Khanna & Ram Saran 37180 (BSA); Kheri, Inayat 21406 (DD); Pilibhit, Inayat 21407 (DD); Saharanpur, Gamble 25633 (DD).

Myrtaceae

Callistemon citrinus (Curtis) Skeels

Cultivated. *Fl. & Fr.*: November – February. Bahraich (Kumar et al. in J. Threatened Taxa 7(7): 7374. 2015).

Corymbia citriodora (Hook.) K.D. Hill & L.A.S. Johnson
Planted along roadsides. *Fl. & Fr.*: August – November. *Selected specimens*: Bareilly, S.N. Pathak s.n. (LWG); Saharanpur, J.H. Maiden 5516 (DD).

Eucalyptus camaldulensis Dehnh.

Planted along roadsides. *Fl. & Fr.*: October – March. *Selected specimen*: Saharanpur, R.N. Parker 5375 (DD).

Eucalyptus paniculata Sm.

Planted along avenues. *Fl. & Fr.*: September – December. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1283 (BSD).

Eucalyptus robusta Sm.

Planted along roadsides. *Fl. & Fr.*: September – November. *Selected specimen*: Saharanpur, R.N. Parker 22510 (DD).

Eucalyptus saligna Sm.

Planted along roadsides. *Fl. & Fr.*: September – March. *Selected specimen*: Saharanpur, R.N. Parker 5376 (DD).

Eucalyptus tereticornis Sm. (Vern.: Liptees)

Planted along roadsides. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, S.D. Maliya 224821 (LWG); Balrampur, K.K. Khanna 65303 (BSA).

Psidium guajava L. (Vern.: Amrood)

Cultivated throughout the region. *Fl. & Fr.*: July – March. *Selected specimens*: Bahraich, K.K. Singh & party 5953 (LWG); Gonda, K.K. Khanna & Ram Saran 37265 (BSA); Gorakhpur, Harsukh 21678 (DD); Kheri, G. Saran & party 26207 (LWG).

Syzygium cumini (L.) Skeels (Vern.: Jamun)

Planted near habitations and along roadsides, also found in sal and mixed forests. *Fl. & Fr.*: March – August. *Selected specimens*: Bahraich, K.K. Khanna 39917 (BSA); Gonda, K.K. Khanna & Ram Saran 37178 (BSA); Kheri, C.L. Malhotra 31473 (BSD); Pilibhit, Inayat 25891 (DD); Saharanpur, Y.S. Murty & A.K. Goel 1523 (BSD); Sant Kabir Nagar, K.K. Khanna 68536 (BSA).

Syzygium jambos (L.) Alston

Planted near habitations. *Fl. & Fr.*: March – August. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1988 (BSD).

Syzygium nervosum A.Cunn. ex DC. (Vern.: *Rai-jamun*)

In mixed forests. *Fl. & Fr.*: March – July. *Selected specimens*: Gonda, Sheesh Ram s.n. (LWG); Gorakhpur, Harsukh 21675A (DD); Kheri, C.L. Malhotra 31474 (BSD); Pilibhit, Inayat 21675B (DD).

Syzygium salicifolium (Wight) J.Graham (Vern.: *Jamta*)

Along the banks of rivers and streams. *Fl. & Fr.*: March – July. *Selected specimen*: Kheri, Duthie 8293 (DD).

Lecythidaceae

Barringtonia acutangula (L.) Gaertn. (Vern.: *Injar*)

Along the banks of rivers and streams. *Fl. & Fr.*: May – December. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6639A (BSA); Balrampur, K.K. Khanna 36882 (BSA); Gonda, K.K. Khanna & Ram Saran 37314 (BSA).

Careya arborea Roxb. (Vern.: *Kumbhi*)

In deciduous forests. *Fl. & Fr.*: April – October. *Selected specimens*: Bahraich, Hira Lal 474 (LWG); Gorakhpur, Harsukh 21679 (DD); Saharanpur, Gamble 26411 (DD).

Careya herbacea Roxb.

In open grassy fields. *Fl. & Fr.*: March – August. *Selected specimens*: Bahraich, Inayat 23647 (DD); Kheri, Inayat 21680 (DD).

Melastomataceae

Osbeckia chinensis L.

In moist places. *Fl. & Fr.*: September – December. *Selected specimen*: Saharanpur, without collector's name and no. (DD).

Sonerila erecta Jack

Along streams in mixed forests. *Fl. & Fr.*: September – October. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1920 (BSD).

Lythraceae

Ammannia auriculata Willd.

In paddy fields and along edges of ponds. *Fl. & Fr.*: October – December. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6382 (BSA); Kheri, G. Saran & party 26291 (LWG); Shahjahanpur, Duthie 4022 (DD).

Ammannia baccifera L.

In wet and marshy places. *Fl. & Fr.*: October – March. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38593 (BSA), G. Panigrahi 2809 (BSA); Balrampur, K.K. Khanna 67892 (BSA); Kheri, B.P. Uniyal & S. Singh 88914 (BSD); Pilibhit, J.N. Vohra 58348 (BSD); Sant Kabir Nagar, K.K. Khanna 65598 (BSA).

Ammannia multiflora Roxb.

In wet places. *Fl. & Fr.*: October – February. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37608 (BSA); Gorakhpur, C.M. Arora 1410 (BSA); Kheri, B.P. Uniyal 88914 (BSD); Saharanpur, Y.S. Murty & A.K.

Goel 1024 (BSD); Sant Kabir Nagar, K.K. Khanna 67942 (BSA).

Lagerstroemia parviflora Roxb. (Vern.: *Siddha*)

In deciduous forests. *Fl. & Fr.*: April – October. *Selected specimens*: Bahraich, K.K. Khanna 39896 (BSA), K.K. Khanna & Ram Saran 37687 (BSA); Gonda, K.K. Khanna & Ram Saran 37215 (BSA).

Lagerstroemia speciosa (L.) Pers. (Vern.: *Jarul*)

Planted along roadsides. *Fl. & Fr.*: April – December. *Selected specimens*: Bahraich, S.D. Maliya 224637 (LWG); Balrampur, K.K. Khanna 46349 (BSA); Gorakhpur, C.M. Arora 1425 (BSA); Kheri, U. Shukla 70039 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1725 (BSD).

Lawsonia inermis L. (Vern.: *Mehndi*)

Planted in gardens. *Fl. & Fr.*: April – September. *Selected specimens*: Bijnor, J.P. Sharma 70337 (BSD); Kheri, Inayat 21578A (DD); Saharanpur, Jameson 1888 (DD).

Rotala densiflora (Roth ex Roem. & Schult.) Koehne

In marshy places. *Fl. & Fr.*: January – May. *Selected specimen*: Sant Kabir Nagar, K.K. Khanna 67950 (BSA).

Rotala indica (Willd.) Koehne

In marshy places. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6385 (BSA); Balrampur, K.K. Khanna & Ram Saran 39232 (BSA); Gorakhpur, C.M. Arora 1412 (BSA); Kheri, C.L. Malhotra 13346 (BSD); Saharanpur, V. Chandra & party 42794 (LWG); Sant Kabir Nagar, K.K. Khanna 67944 (BSA).

Rotala mexicana Cham. & Schltldl.

In wet places. *Fl. & Fr.*: July – November. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37631 (BSA); Kheri, U. Shukla 69879 (BSD).

Rotala occultiflora Koehne

In wet places. *Fl. & Fr.*: August – October. *Selected specimen*: Bahraich, G. Panigrahi 6452 (BSA).

Rotala rotundifolia (Buch.-Ham. ex Roxb.) Koehne

In marshy places and paddy fields. *Fl. & Fr.*: January – April. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 2822 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10530 (BSA); Pilibhit, J.N. Vohra 58352 (BSD); Saharanpur, Jameson s.n. (DD); Sant Kabir Nagar, K.K. Khanna 67969 (BSA); Sitapur, M. Naziruddin 19936 (LWG).

Woodfordia fruticosa (L.) Kurz (Vern.: *Dhawai*)

In mixed forests. *Fl. & Fr.*: December – May. *Selected specimens*: Bahraich, G. Panigrahi 2920 (BSA); Balrampur, K.K. Khanna 68136 (BSA); Bijnor, Y.K. Sarin 5258 (BSD); Gonda, K.K. Khanna 46033 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10652 (BSA); Kheri, Inayat 21580 (DD); Saharanpur, Y.S. Murty & A.K. Goel 1479 (BSD); Sant Kabir Nagar, K.K. Khanna 68548 (BSA).

Punicaceae

Punica granatum L. (Vern.: *Anaar*)

Planted. *Fl. & Fr.*: Almost most parts of the year. *Selected specimens*: Bahraich, K.K. Singh & party 5976 (LWG); Kheri, G. Saran & party 26709 (LWG).

Onagraceae

Ludwigia adscendens (L.) H.Hara (Vern.: *Tilijuria*)

In ponds, tanks and paddy fields. *Fl. & Fr.*: November – June. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6418 (BSA); Bijnor, J.P. Sharma 67292 (BSD); Gorakhpur, Inayat 21687a (DD); Kheri, Inayat

21689 (DD); Moradabad, *T. Thomson* 667 (DD); Pilibhit, *Inayat* 21690 (DD); Saharanpur, *Jameson s.n.* (DD); Sant Kabir Nagar, *K.K. Khanna* 65558, 68593 (BSA).

Ludwigia hyssopifolia (G. Don) Exell

Along river banks. *Fl. & Fr.*: October – May. *Selected specimens*: Balrampur, *K.K. Khanna* 59936, 59947 (BSA).

Ludwigia octovalvis (Jacq.) P.H. Raven

subsp. ***octovalvis***

In marshy places. *Fl. & Fr.*: October – June. *Selected specimens*: Bahraich, *M.A. Rau* 8201 (BSA); Balrampur, *K.K. Khanna & Ram Saran* 39151 (BSA); Gonda, *K.K. Singh & party* 6115 (LWG); Gorakhpur, *G. Panigrahi & Ram Saran* 10558 (BSA); Kheri, *K.P. Janardhanan* 51361 (BSD); Sant Kabir Nagar, *K.K. Khanna* 67971 (BSA); Shahjahanpur, *Duthie* 4028 (DD); Sitapur, *G. Saran & party* 26773 (LWG).

subsp. ***sessiliflora*** (Micheli) P.H. Raven

In marshy places. *Fl. & Fr.*: September – January. Bahraich (Saini in *J. Econ. Taxon. Bot.* 29 (3): 581. 2005).

Ludwigia perennis L. (Vern.: *Panyari*)

In marshy places. *Fl. & Fr.*: September – April. *Selected specimens*: Bahraich, *S.D. Maliya* 227118 (LWG); Gonda, *S.K. Jain* 16931 (LWG); Gorakhpur, *C.M. Arora* 1413 (BSA); Sant Kabir Nagar, *K.K. Khanna* 67970 (BSA).

Ludwigia prostrata Roxb.

In marshy places. *Fl. & Fr.*: November – April. *Selected specimens*: Bahraich, *S.D. Maliya* 226623 (LWG); Sant Kabir Nagar, *K.K. Khanna* 68626 (BSA).

Trapaceae

Trapa natans L.

var. ***bispinosa*** (Roxb.) Makino (Vern.: *Singhara*)

In ponds and tanks. *Fl. & Fr.*: August – January. *Selected specimens*: Bahraich, *G. Panigrahi & O.P. Misra* 6553 (BSA); Balrampur, *K.K. Khanna & Ram Saran* 39099 (BSA); Bijnor, *S.K. Malhotra* 12180 (BSD); Kheri, *J.K. Maheshwari & party* EBH-156 (LWG); Saharanpur, *C.D. Ghildiyal* 9941 (BSD).

var. ***natans***

In tanks. *Fl. & Fr.*: September – December. *Selected specimen*: Gorakhpur, *Harsukh* 21692 (DD).

Passifloraceae

Passiflora foetida L.

On the outskirts of forests and near habitations. *Fl. & Fr.*: July – December. *Selected specimens*: Balrampur, *K.K. Khanna* 54928 (BSA); Gonda, *K.K. Khanna & Ram Saran* 37326 (BSA); Gorakhpur, *Harsukh* 21416 (DD).

Passiflora suberosa L.

Planted in gardens. *Fl. & Fr.*: August – December. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 1132 (BSD).

Caricaceae

Carica papaya L. (Vern.: *Papeeta*)

Cultivated throughout the region. *Fl. & Fr.*: Most parts of the year. *Selected specimens*: Balrampur, *K.K. Khanna* 68187 (BSA); Saharanpur, *Y.S. Murty & A.K. Goel* 1028 (BSD).

Cucurbitaceae

Actinostemma tenerum Griff.

In mixed forests. *Fl. & Fr.*: July – December. *Selected specimens*: Bahraich, *G. Panigrahi & O.P. Misra* 6542

(BSA); Kheri, *Inayat* 21442 (DD); Pilibhit, *Inayat* 21425 (DD).

Benincasa hispida (Thunb.) Cogn. (Vern.: *Petha*)

Cultivated. *Fl. & Fr.*: February – October. *Selected specimens*: Bahraich, *S.D. Maliya* 226603 (LWG); Saharanpur, *Jameson* 26 (DD).

Cayaponia laciniosa (L.) C. Jeffrey (Vern.: *Shivlingi*)

On the outskirts of forests and in gardens. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, *Hira Lal* 16509 (LWG); Bijnor, *V. Chandra & party* 43925 (LWG); Saharanpur, *C. Singh s.n.* (DD).

Citrullus colocynthis (L.) Schrad. (Vern.: *Indrayani*)

In cultivated fields. *Fl. & Fr.*: May – November. *Selected specimen*: Bijnor, *J.P. Sharma* 70343 (BSD).

Citrullus lanatus (Thunb.) Matsum. & Nakai

var. ***fistulosus*** (Stocks) Chakrav. (Vern.: *Tinda*)

Cultivated throughout the region. *Fl. & Fr.*: April – July. *Selected specimens*: Bahraich, *Harsukh* 21432 (DD); Gorakhpur, *Harsukh* 21413 (DD); Kheri, *Inayat* 23566 (LWG).

var. ***lanatus*** (Vern.: *Hanumana, Tarbuj*)

Cultivated for edible fruits throughout the region. *Fl. & Fr.*: April – July.

Coccinia grandis (L.) Voigt (Vern.: *Kundru*)

Near habitations. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, *K.K. Singh & party* 5973 (LWG); Balrampur, *K.K. Khanna* 67893 (BSA); Basti, *K.K. Khanna* 36825 (BSA); Kheri, *Inayat* 21439 (DD); Saharanpur, *V. Chandra & party* 420805 (LWG); Sant Kabir Nagar, *K.K. Khanna* 67928 (BSA).

Cucumis melo L.

var. ***melo*** (Vern.: *Indrayan, Kharbuja*)

Cultivated throughout the region. *Fl. & Fr.*: May – August. *Selected specimens*: Bahraich, *Hira Lal* 13420 (LWG); Moradabad, *H.L. Prasad* 79992 (BSD); Saharanpur, *B.M. Wadhwa* 60515 (BSD); Sant Kabir Nagar, *K.K. Khanna* 67929 (BSA); Sitapur, *G. Saran & party* 26838 (LWG).

var. ***utilissimus*** (Roxb.) Duthie & Fuller (Vern.: *Kakri*)

Cultivated throughout the region. *Fl. & Fr.*: March – June. *Selected specimen*: Gonda, *M.A. Rau* 12102 (BSD).

Cucumis sativus L. (Vern.: *Khira*)

Cultivated throughout the region. *Fl. & Fr.*: February – October. *Selected specimens*: Kheri, *J.K. Maheshwari & party* EBH-132 (LWG); Saharanpur, *Duthie s.n.* (DD).

Cucurbita maxima Duch. ex Lam. (Vern.: *Lal-kumbra*)

Cultivated. *Fl. & Fr.*: March – August. *Selected specimen*: Gonda, *K.K. Singh & party* 6141 (LWG).

Cucurbita moschata (Duch. ex Lam.) Duch. ex Poir. (Vern.: *Sitaphal*)

Cultivated throughout the region. *Fl. & Fr.*: April – November.

Cucurbita pepo L. (Vern.: *Kumhra, Vilayati-kaddu*)

Cultivated throughout the region. *Fl. & Fr.*: March – August.

Diplocyclos palmatus (L.) C. Jeffrey (Vern.: *Ban-karkra, Shivlingi*)

In the vicinity of villages and on the outskirts of forests. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, *G. Panigrahi & O.P. Misra* 6496, 6512 (BSA); Balrampur, *K.K. Khanna* 68188 (BSA); Kheri, *U. Shukla* 69947 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 1085 (BSD).

Gymnopetalum chinense (Lour.) Merr.

In mixed forests. *Fl. & Fr.*: May – October. *Selected specimen*: Gorakhpur, Harsukh 21417 (DD).

Lagenaria siceraria (Molina) Standl. (Vern.: *Ghia, Lauki*)

Cultivated. *Fl. & Fr.*: March – November. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6322 (BSA); Gonda, K.K. Singh & party 6143 (LWG); Kheri, J.K. Maheshwari & party EBH-157 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 1243 (BSD).

Luffa acutangula (L.) Roxb. (Vern.: *Taroi*)

Cultivated. *Fl. & Fr.*: May – September. *Selected specimen*: Kheri, J.K. Maheshwari EBH-162 (LWG).

Luffa cylindrica (L.) M.Roem. (Vern.: *Ghiataroi*)

Cultivated. *Fl. & Fr.*: May – October. *Selected specimen*: Balrampur, K.K. Khanna 39190 (BSA).

Luffa echinata Roxb. (Vern.: *Khaksi*)

In the vicinity of villages and on the outskirts of forests. *Fl. & Fr.*: September – December. *Selected specimens*: Kheri, B.P. Uniyal 88901 (BSD); Saharanpur, B.M. Wadhwa 62977 (BSD).

Luffa graveolens Roxb. (Vern.: *Ghosiani*)

In the vicinity of villages. *Fl. & Fr.*: July – December. *Selected specimens*: Bijnor, H.C. Pandey 8173 (BSD); Deoria, K.K. Khanna 66464 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 905 (BSD).

Luffa hermaphrodita N.B.Singh & U.C.Bhattach.

In the vicinity of villages. *Fl. & Fr.*: August – December. *Selected specimen*: Bahraich, Awadhesh Srivastava 263556 (LWG).

Melothria perpusilla (Blume) Cogn.

In mixed forests. *Fl. & Fr.*: July – November. *Selected specimen*: Bahraich, S.D. Maliya 224510 (LWG).

Momordica balsamina L.

In the vicinity of villages. *Fl. & Fr.*: July – November. *Selected specimens*: Bahraich, V. Chandra & party 12352 (LWG); Gonda, V. Chandra & party 12463 (LWG).

Momordica charantia L. (Vern.: *Karela*)

Cultivated. *Fl. & Fr.*: Most parts of the year. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38590 (BSA), O.P. Misra 7821 (BSA); Balrampur, K.K. Khanna & Ram Saran 37186 (BSA); Bijnor, S.K. Jain 26741 (LWG); Kheri, Duthie 4676 (DD); Saharanpur, Y.S. Murty & A.K. Goel 798 (BSD); Shravasti, K.K. Khanna 54903 (BSA).

Momordica dioica Roxb. ex Willd. (Vern.: *Kheksa*)

Cultivated, also found on the outskirts of forests. *Fl. & Fr.*: July – October. *Selected specimens*: Bahraich, Harsukh 71422 (DD); Deoria, K.K. Khanna 66557 (BSA); Gonda, K.K. Khanna 65211 (BSA); Kheri, J.K. Maheshwari & party EBH-71 (LWG); Kushinagar, K.K. Khanna 66581 (BSA); Moradabad, T. Thomson 30813 (DD); Saharanpur, Y.S. Murty & A.K. Goel 937 (BSD).

Mukia maderaspatana (L.) M.Roem. (Vern.: *Bilari*)

Around cultivated fields, also found on the outskirts of forests. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, C.L. Malhotra 26640 (BSD); Balrampur, K.K. Khanna 68189 (BSA); Bijnor, J.P. Sharma 67291 (BSD); Kheri, C.L. Malhotra 23513 (BSD); Pilibhit, C.L. Malhotra 42623 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 251 (BSD).

Neosalsmitra clavigera (Wall.) Hutch.

In mixed forests. *Fl. & Fr.*: November – April. *Selected specimen*: Saharanpur, without collector's name 1721 (DD).

Solena amplexicaulis (Lam.) Gandhi

In mixed forests and along river banks. *Fl. & Fr.*: August – February. *Selected specimens*: Bahraich, K.K. Singh 5940 (LWG); Gonda, V. Chandra & party s.n. (LWG); Gorakhpur, M.A. Rau 12320 (BSD); Kheri, C.L. Malhotra 23512 (BSD); Pilibhit, C.L. Malhotra 50715 (BSD); Saharanpur J.G. Srivastava 24192 (LWG).

Trichosanthes anguina L. (Vern.: *Chichinda*)

Cultivated. *Fl. & Fr.*: June – October. *Selected specimens*: Kheri, J.K. Maheshwari & party EBH-122 (LWG); Saharanpur, Duthie s.n. (DD).

Trichosanthes cordata Roxb.

In open places. *Fl. & Fr.*: September – November. *Selected specimens*: Kheri, K.K. Singh 3055, 7834, 8542, 8547 (CDRI).

Trichosanthes cucumerina L. (Vern.: *Jangli-chichinda*)

In mixed forests and near habitations. *Fl. & Fr.*: July – November. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6451 (BSA); Balrampur, K.K. Khanna 59948, 59989 (BSA); Bijnor, J.P. Sharma 67157 (BSD); Gorakhpur, C.M. Arora 1450 (BSA); Kheri, C.L. Malhotra 23599 (BSD); Saharanpur, S.K. Jain 115461 (DD).

Trichosanthes dioica Roxb. (Vern.: *Parwal*)

Cultivated. *Fl. & Fr.*: July – September. *Selected specimens*: Bahraich, S.D. Maliya 225209 (LWG); Moradabad, T. Thomson 30812 (DD); Saharanpur, Y.S. Murty & A.K. Goel 933 (BSD).

Trichosanthes pilosa Lour.

In mixed forests. *Fl. & Fr.*: July – October. *Selected specimens*: Bahraich, S.D. Maliya 225209 (LWG); Gonda, V. Chandra & party Acc. No. 23684 (LWG); Saharanpur, B.M. Wadhwa 62996 (BSD).

Trichosanthes tricuspida Lour. (Vern.: *Indrayan*)

In the vicinity of villages and forests. *Fl. & Fr.*: April – October. *Selected specimens*: Bahraich, Harsukh 21422 (DD); Kheri, J.K. Maheshwari & party EBH-73 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 1016 (BSD); Sitapur, G. Saran & party 26886 (LWG).

Zehneria scabra Sond.

In mixed forests. *Fl. & Fr.*: September – December. *Selected specimen*: Bahraich, S.D. Maliya 224510 (LWG).

Begoniaceae

Begonia picta Sm.

In moist shady places of forests. *Fl. & Fr.*: August – December. *Selected specimens*: Saharanpur, Y.S. Murty & A.K. Goel 364 (BSD), R.C. Bharadwaja 111823 (DD).

Cactaceae

Hylocereus trigonus (Haw.) Saff.

In villages. *Fl. & Fr.*: September – December. *Selected specimen*: Bahraich, S.D. Maliya 252636 (LWG).

Nopalea cochenillifera (L.) Salm-Dyck

Cultivated in gardens. *Fl. & Fr.*: April – September. Bahraich (Saini in J. Econ. Taxon. Bot. 29 (3): 586. 2005).

Opuntia elatior Mill. (Vern.: *Nagphani*)

On the bunds of cultivated fields, in wastelands and near habitations. *Fl. & Fr.*: June – January. *Selected specimens*: Bahraich, K.K. Khanna AICRPE 80 (BSA); Balrampur, K.K. Khanna 68190 (BSA).

Opuntia ficus-indica (L.) Mill. (Vern.: *Nagphani*)

In wastelands and near habitations. *Fl. & Fr.*: July – February. *Selected specimens*: Gorakhpur, G. Panigrahi

& Ram Saran 10737 (BSA); Kheri, U. Shukla 70278 (BSD).

Opuntia stricta (Haw.) Haw. (Vern.: Nagphani)

In open wastelands and on the bunds of cultivated fields. *Fl. & Fr.*: April – June. *Selected specimen*: Gorakhpur, Harsukh 21388 (DD).

Aizoaceae

Gisekia pharnaceoides L.

In dry places. *Fl. & Fr.*: July – October. *Selected specimen*: Muzaffarnagar, R.C. Bharadwaja s.n. (LWG).

Trianthema portulacastrum L. (Vern.: Pathri)

In open moist places. *Fl. & Fr.*: July – October. *Selected specimens*: Gonda, K.K. Khanna 36858 (BSA); Gorakhpur, M.A. Rau 12309 (BSD); Kheri, C.L. Malhotra 23594 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 310 (BSD).

Trianthema triquetra Rottler ex Willd. (Vern.: Nanka)

In moist places. *Fl. & Fr.*: August – March. *Selected specimen*: Bahraich, G. Panigrahi 2740 (BSA).

Zaleya govindia (Buch.-Ham. ex G. Don) N.C. Nair (Vern.: Santhi)

In moist places. *Fl. & Fr.*: October – April. *Selected specimens*: Saharanpur, V. Chandra & party 42781 (LWG); Sitapur, G. Saran & party 26875 (LWG).

Molluginaceae

Glinus lotoides L. (Vern.: Gandibudi)

In moist places. *Fl. & Fr.*: March – October. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37693 (BSA); Gonda, K.K. Khanna & Ram Saran 37172 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10752 (BSA); Moradabad, H.L. Prasad 79967 (BSD).

Glinus oppositifolius (L.) A. DC. (Vern.: Jima)

Along the banks of lakes. *Fl. & Fr.*: July – December. *Selected specimens*: Kheri, K.K. Singh 4107 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 555 (BSD).

Mollugo cerviana (L.) Ser.

In moist places. *Fl. & Fr.*: September – December. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 266 (BSD).

Mollugo pentaphylla L.

In moist places. *Fl. & Fr.*: July – February. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6615 (BSA); Balrampur, K.K. Khanna & Ram Saran 39102 (BSA); Gonda, Harsukh 20973 (DD); Gorakhpur, G. Panigrahi & Ram Saran 10544 (BSA); Kheri, C.L. Malhotra 23581 (BSD); Saharanpur, Jameson s.n. (DD).

Apiaceae

Anethum graveolens L. (Vern.: Sowa)

Cultivated throughout the region. *Fl. & Fr.*: January – March.

Bupleurum hamiltonii N.P. Balakr.

On hill slopes. *Fl. & Fr.*: October – January. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 342 (BSD).

Bupleurum ramosissimum Wight & Arn.

As forest undergrowth. *Fl. & Fr.*: November – January. *Selected specimen*: Bijnor, V. Chandra & party 43485 (LWG).

Centella asiatica (L.) Urban (Vern.: Brahmi)

In moist places. *Fl. & Fr.*: October – January. *Selected specimens*: Bahraich, K.K. Khanna AICRPE 89 (BSA), G. Panigrahi & O.P. Misra 6523 (BSA); Gonda, K.K. Khanna 46013, 63821, 68605 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10534 (BSA); Kheri, C.L.

Malhotra 31538 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 187 (BSD); Sant Kabir Nagar, K.K. Khanna 68577 (BSA); Shravasti, K.K. Khanna 66659 (BSA).

Cnidium monnieri (L.) Cusson

In moist places. *Fl. & Fr.*: March – June. *Selected specimens*: Bahraich, K.K. Singh & party 5943 (LWG); Kheri, K.K. Singh 7162 (CDRI).

Coriandrum sativum L. (Vern.: Dhaniya)

Cultivated throughout the region. *Fl. & Fr.*: December – April.

Cuminum cyminum L. (Vern.: Jeera)

Cultivated. *Fl. & Fr.*: January – March. Bahraich (Saini in J. Econ. Taxon. Bot. 29(3): 588. 2005).

Daucus carota L. (Vern.: Gajar)

Cultivated throughout the region. *Fl. & Fr.*: March – May.

Foeniculum vulgare Mill. (Vern.: Saunf)

Cultivated throughout the region. *Fl. & Fr.*: December – March.

Hydrocotyle javanica Thunb.

In marshy places. *Fl. & Fr.*: March – June. *Selected specimens*: Bahraich, G. Panigrahi 2815 (BSA); Kheri, G. Saran & party 26532 (LWG).

Hydrocotyle sibthorpioides Lam. (Vern.: Khulkhuri)

In marshy places. *Fl. & Fr.*: March – September. *Selected specimens*: Bijnor, Acc. No. 82890 (BSD); Kheri, U. Shukla 70514 (BSD).

Oenanthe javanica (Blume) DC.

In ponds and lakes. *Fl. & Fr.*: January – April. *Selected specimens*: Bahraich, Hira Lal 13440 (LWG); Balrampur, K.K. Khanna 67894 (BSA); Gonda, K.K. Khanna 46020, 68624 (BSA); Gorakhpur, Harsukh 21656 (DD); Kheri, Inayat 21656B (DD); Pilibhit, C.L. Malhotra 40229 (BSD); Saharanpur, Duthie s.n. (DD); Sant Kabir Nagar, K.K. Khanna 68594 (BSA).

Peucedanum dhana Buch.-Ham. ex C.B. Clarke

On the outskirts of forests. *Fl. & Fr.*: March – May. *Selected specimens*: Gorakhpur, Harsukh 21658 (DD); Kheri, K.K. Singh 8382 (CDRI); Pilibhit, C.L. Malhotra 37142 (CAL).

Pimpinella heyneana (DC.) Kurz

As undergrowth in mixed forests. *Fl. & Fr.*: February – December. *Selected specimen*: Gonda, K.K. Khanna 46008 (BSA).

Psammogeton canescens (DC.) Vatke

In moist places. *Fl. & Fr.*: March – June. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 2103 (BSD).

Seseli diffusum (Roxb. ex Sm.) Santapau & Wagh (Vern.: Banajowan)

Along the banks of ponds and lakes, also found in cultivated fields. *Fl. & Fr.*: March – June. *Selected specimens*: Bahraich, Chabban 25836 (BSA); Gonda, K.K. Khanna & Ram Saran 37334 (BSA); Kheri, Inayat 21659 (DD); Pilibhit, C.L. Malhotra 40270 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 2053 (BSD).

Trachyspermum ammi (L.) Sprague (Vern.: Ajwain)

Cultivated throughout the region. *Fl. & Fr.*: December – April.

Trachyspermum anethifolium (D. Don) H. Wolff

In mixed forests. *Fl. & Fr.*: August – October. *Selected specimen*: Kheri, C.L. Malhotra 31523 (BSD).

Vicatia conifolia Wall. ex DC.

In mixed forests. *Fl. & Fr.*: May – September. *Selected specimen*: Gorakhpur, J.G. Srivastava & party 48351 (LWG).

Araliaceae

Heteropanax fragrans (D. Don) Seem.

In mixed forests. *Fl. & Fr.*: January – March. *Selected specimen*: Saharanpur, B.S. Aswal 6255 (CDRI).

Schefflera venulosa (Wight & Arn.) Harms

In mixed forests. *Fl. & Fr.*: January – February. Bijnor (Duthie, *Fl. Gangetic Plain* 1: 400. 1903).

Alangiaceae

Alangium salvifolium (L.f.) Wangerin

In sal and mixed forests. *Fl. & Fr.*: February – July. *Selected specimens*: Bahraich, G. Panigrahi 11813 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10706 (BSA); Kheri, K.K. Singh 7393, 7592 (CDRI); Maharajganj, S.L. Kapoor 30 (LWG); Sitapur, G. Saran & party 26805 (LWG).

Rubiaceae

Argostemma sarmentosum Wall.

In moist places. *Fl. & Fr.*: August – November. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1844 (BSD).

Catunaregam spinosa (Thunb.) Tirveng. (Vern.: Maini)

In mixed and riverian forests, also along forest roadsides. *Fl. & Fr.*: April – January. *Selected specimens*: Bahraich, G. Panigrahi 2713 (BSA), K.K. Khanna & Ram Saran 37662 (BSA), K.K. Khanna 39855 (BSA); Gonda, K.K. Khanna & Ram Saran 37316 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10675 (BSA); Kheri, C.L. Malhotra 31524 (BSD), U. Shukla 70501 (BSD), K.K. Singh 7988 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 1710 (BSD).

Cephalanthus tetrandra (Roxb.) Ridsdale & Bakh.f.

In sal forests. *Fl. & Fr.*: May – November. *Selected specimens*: Gonda, Shri Ram 1130 (DD); Kheri, K.K. Singh 7904, 7991 (CDRI); Pilibhit, A.E. Osmaston 1456 (DD).

Ceriscoides turgida (Roxb.) Tirveng.

In scrub and mixed forests. *Fl. & Fr.*: March – December. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37663 (BSA); Bijnor, V. Chandra & party 43939 (LWG); Gonda, Harsukh 22342a (DD); Gorakhpur, Harsukh 22341b (DD); Kheri, K.K. Singh 7343 (CDRI), U. Shukla 70288 (BSD); Pilibhit, J.N. Vohra 58367 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 973 (BSD).

Dentella repens (L.) J.R. Forst. & G. Forst.

In moist places. *Fl. & Fr.*: January – July. *Selected specimens*: Bahraich, V. Chandra & party 11845 (LWG); Gonda, K.K. Khanna & Ram Saran 37333, 38730 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10527 (BSA).

Galium aparine L.

In mixed forests. *Fl. & Fr.*: October – March. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1461 (BSD).

Gardenia latifolia Aiton (Vern.: Papra)

Planted, also found near streams. *Fl. & Fr.*: March – June. *Selected specimen*: Bahraich, S.D. Maliya 224566 (LWG).

Gardenia resinifera Roth (Vern.: Gandhraj)

Along roadsides. *Fl. & Fr.*: March – November. *Selected specimen*: Gonda, K.K. Khanna & Ram Saran 37200 (BSA).

Haldina cordifolia (Roxb.) Ridsdale (Vern.: Haldu)

In mixed and sal forests. *Fl. & Fr.*: July – March. *Selected specimens*: Bahraich, G. Panigrahi 2854

(BSA), K.K. Khanna & Ram Saran 37676 (BSA), K.K. Khanna AICRPE 51 (BSA); Balrampur, K.K. Khanna 68709 (BSA); Bijnor, V. Chandra & party 44089 (LWG); Gonda, S.K. Malhotra 12161 (BSD); Gorakhpur, C.M. Arora 1519 (BSA); Kheri, K.K. Singh 7982 (CDRI), J.K. Maheshwari & party EBH-24 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 673 (BSD).

Hedyotis attenuata Willd.

In cultivated fields. *Fl. & Fr.*: September – October. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 997 (BSD).

Hedyotis corymbosa (L.) Lam.

var. **corymbosa**

In moist places of wastelands and along roadsides, ponds and fields. *Fl. & Fr.*: August – March. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6386 (BSA), O.P. Misra 8018 (BSA); Balrampur, K.K. Khanna 68746 (BSA), K.K. Khanna & Ram Saran 39231 (BSA); Bijnor, J.P. Sharma 67269 (BSD); Gorakhpur, C.M. Arora 1409 (BSA), G. Panigrahi & Ram Saran 10797 (BSA); Kheri, K.K. Singh 8538 (CDRI); Moradabad, H.L. Prasad 79957 (BSD); Sant Kabir Nagar, K.K. Khanna 65534 (BSA).

var. **linearis** (DC.) Deb & Dutta

In moist places of wastelands. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38683 (BSA); Kheri, K.K. Singh 4209 (CDRI).

Hedyotis diffusa Willd.

In moist places of wastelands. *Fl. & Fr.*: August – December. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1151 (BSD).

Hedyotis gracilis Wall.

In open places of mixed forests. *Fl. & Fr.*: May – September. *Selected specimens*: Bahraich, Inayat 23677 (DD); Gorakhpur, G. Panigrahi & Ram Saran 10573 (BSA); Kheri, K.K. Singh 2911, 8374 (LWG); Pilibhit, Inayat 22364 (DD); Sitapur, G. Saran & party 26820 (LWG).

Hedyotis herbacea L.

In moist places. *Fl. & Fr.*: October – December. *Selected specimen*: Bahraich, O.P. Misra 7990 (BSA).

Hedyotis ovatifolia Cav.

In moist places of sal and mixed forests. *Fl. & Fr.*: July – December. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6355 (BSA), S.K. Jain 16588 (LWG); Balrampur, K.K. Khanna 59979 (BSA); Kheri, K.K. Singh 7402 (CDRI), U. Shukla 69808 (BSD); Pilibhit, C.L. Malhotra 13439 (BSD); Saharanpur, P.C. Pant 38527 (BSD), Y.S. Murty & A.K. Goel 1780, 1920 (BSD).

Hedyotis pinifolia Wall. ex G. Don

In moist places. *Fl. & Fr.*: August – November. *Selected specimen*: Bahraich, G. Panigrahi & O.P. Misra 6362 (BSA).

Hedyotis puberula (G. Don) R.Br. ex Arn.

In shady places. *Fl. & Fr.*: August – December. Bahraich (Saini in *J. Econ. Taxon. Bot.* 29 (3): 592. 2005).

Hedyotis racemosa Lam.

In moist shady places. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, G. Panigrahi 2816 (BSA), G. Panigrahi & O.P. Misra 6522 (BSA); Gonda, V. Chandra & party 12437 (LWG); Gorakhpur, C.M. Arora 1488 (BSA), Harsukh 22372a (DD); Kheri, K.K. Singh 2911, 8374 (CDRI), U. Shukla 70055 (BSD).

Hedyotis verticillata (L.) Lam.

In moist shady places. *Fl. & Fr.*: July – December. Bahraich (Saini in J. Econ. Taxon. Bot. 29 (3): 592. 2005).

Hymenodictyon orixense (Roxb.) Mabb.

In mixed forests. *Fl. & Fr.*: June – February. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6628 (BSA), S.L. Kapoor & party 70052 (LWG); Gorakhpur, C.M. Arora 1557 (BSA), B.N. Mehrotra 1309 (CDRI); Kheri, K.K. Singh 7948 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 1809 (BSD).

Hyptianthera stricta Wight & Arn.

In sal forests. *Fl. & Fr.*: April – June. *Selected specimens*: Gorakhpur, G. Panigrahi & Ram Saran 10669 (BSA); Kheri, K.K. Singh 7195 (CDRI), U. Shukla 70524 (BSD), Inayat 22383 (DD).

Ixora coccinea L.

Cultivated in gardens. *Fl.*: Almost throughout the year. *Selected specimens*: Bahraich, G. Saran & party 28969 (LWG); Saharanpur, O.P. Misra 37957 (BSD).

Ixora pavetta Andr.

Cultivated in gardens. *Fl. & Fr.*: March – June. *Selected specimens*: Bahraich, Harsukh 22378 (DD), G. Saran & party 28969 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 2057 (BSD).

Ixora undulata Roxb.

Cultivated in gardens. *Fl. & Fr.*: March – June. *Selected specimen*: Saharanpur, Kaul & party 41407 (LWG).

Knoxia roxburghii (Spreng.) M.A.Rau

In mixed forests. *Fl. & Fr.*: August – December. *Selected specimen*: Pilibhit, Inayat 25904 (DD).

Knoxia sumatrensis (Retz.) DC.

In mixed forests and along roadsides. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, G. Panigrahi 6442 (BSA); Kheri, C.L. Malhotra 22893 (BSD), U. Shukla 69997 (BSD); Gonda, S.K. Malhotra 12169 (BSD); Pilibhit, Shri Ram Acc. No. 52597 (DD).

Leptodermis lanceolata Wall.

Fl. & Fr.: July – September. *Selected specimen*: Muzaffarnagar, V.M. Bhatnagar 532 (LWG).

Meyna laxiflora Robyns

In dry areas. *Fl. & Fr.*: February – August. Bahraich (Saini in J. Econ. Taxon. Bot. 29(3): 593. 2005).

Mitragyna parvifolia (Roxb.) Korth. (Vern.: Kadamba, Kaim)

In mixed forests, sometimes along roadsides. *Fl. & Fr.*: July – March. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6640 (BSA), K.K. Khanna 39906 (BSA), K.K. Khanna & Ram Saran 38591 (BSA); Bijnor, V. Chandra & party 43973 (LWG); Gonda, K.K. Khanna & Ram Saran 37223 (BSA), K.K. Khanna 46076 (BSA); Gorakhpur, C.M. Arora 1404 (BSA), G. Panigrahi & Ram Saran 10688 (BSA); Kheri, U. Shukla 70017 (BSD).

Morinda citrifolia L.

In mixed forests. *Fl. & Fr.*: September – December. *Selected specimen*: Bahraich, S.D. Maliya 252626 (LWG).

Morinda pubescens Sm.

In mixed forests. *Fl. & Fr.*: April – February. *Selected specimens*: Kheri, G. Saran & party 26692 (LWG); Sitapur, G. Saran & party 26867 (LWG).

Mussaenda glabrata (Hook.) Hutch. ex Gamble

Cultivated. *Fl. & Fr.*: Throughout the year. Bahraich (Saini in J. Econ. Taxon. Bot. 29 (3): 593. 2005).

Neanotis calycina (Hook.) Lewis

As forest undergrowth. *Fl. & Fr.*: September – December. *Selected specimen*: Bahraich, S.D. Maliya 225949 (LWG).

Neolamarckia cadamba (Roxb.) Bosser (Vern.: Kadamb)

Planted along roadsides. *Fl. & Fr.*: July – February. *Selected specimens*: Bahraich, O.P. Misra 7849 (BSA); Gonda, K.K. Khanna & Ram Saran 37231 (BSA); Saharanpur, M.A. Rau 14672 (BSD), O.P. Misra 37953 (BSD).

Ophiorrhiza fasciculata D.Don

In mixed forests. *Fl. & Fr.*: December – February. *Selected specimen*: Kheri, C.L. Malhotra 13379 (BSD).

Pavetta crassicaulis Bremek.

In mixed forests. *Fl. & Fr.*: May – August. *Selected specimen*: Gonda, K.K. Khanna & Ram Saran 37264 (BSA).

Pavetta tomentosa Roxb. ex Sm.

In mixed forests. *Fl. & Fr.*: August – January. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1812 (BSD).

Rubia cordifolia L.

In mixed forests. *Fl. & Fr.*: September – December. *Selected specimen*: Saharanpur, Y. S. Murty & A.K. Goel 1903 (BSD).

Spermacoce articularis L.f.

In wastelands and amidst grasses. *Fl. & Fr.*: July – December. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6584 (BSA); Balrampur, K.K. Khanna 59931, 59943 (BSA); Gonda, S.K. Malhotra 12145 (BSD); Kheri, C.L. Malhotra 23520 (BSD); Gorakhpur, M.A. Rau 12336 (BSD).

Spermacoce pusilla Wall.

In moist places of wastelands and amidst grasses. *Fl. & Fr.*: September – December. *Selected specimens*: Balrampur, K.K. Khanna 59946 (BSA); Kheri, U. Shukla 70000 (BSD), K.K. Singh 7724, 7855 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 891 (BSD).

Spermadictyon suaveolens Roxb.

In rocky places of deciduous forests. *Fl. & Fr.*: August – March. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1367 (BSD).

Tamilnadia uliginosa (Retz.) Tirveng. & Sastre

In mixed forests and on borders of grasslands. *Fl. & Fr.*: May – August. *Selected specimens*: Bahraich, K.K. Singh & team 5989 (LWG); Balrampur, S.K. Jain 16901 (LWG); Gonda, Inayat 20975 (DD); Gorakhpur, Gupta & team 9443 (LWG); Kheri, B.P. Uniyal & S. Singh 88980 (BSD), K.K. Singh 7949, 8376 (CDRI); Pilibhit, Inayat 22353b (DD).

Wendlandia heynei (Roem. & Schult.) Santapau & Merch.

In mixed and sal forests. *Fl. & Fr.*: March – July. *Selected specimens*: Bahraich, Hira Lal 432 (LWG); Gonda, K.K. Khanna 46091 (BSA); Gorakhpur, Inayat 22370 (DD); Kheri, K.K. Singh 7232, 8358 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 1606 (BSD); Shravasti, K.K. Khanna 66669 (BSA).

Wendlandia tinctoria (Roxb.) DC.

Fl. & Fr.: January – April. North Oudh, (Duthie, Fl. Gangetic Plain 1: 418. 1905).

Asteraceae

Acanthospermum hispidum DC.

In wastelands. *Fl. & Fr.*: July – November. *Selected specimen*: Gorakhpur, G. Panigrahi 3100 (BSA).

- Acilepis aspera** (Buch.-Ham.) H. Rob.
In sal forests. *Fl. & Fr.*: September – February. *Selected specimen*: Bahraich, G. Panigrahi 7959 (BSA).
- Acilepis divergens** (Roxb.) H. Rob. & Skvarla
In shady places. *Fl. & Fr.*: December – February. Bahraich (Saini in J. Econ. Taxon. Bot. 29 (3): 604. 2005).
- Acilepis squarrosa** D. Don
In sal forests. *Fl. & Fr.*: October – January. *Selected specimens*: Kheri, K.K. Singh & party 7918 (CDRI), P.C. Pant 43408 (BSD).
- Acmella calva** (DC.) R.K. Jansen
Along the edges of ponds. *Fl. & Fr.*: October – December. *Selected specimens*: Bahraich, S.D. Maliya 224513 (LWG); Sant Kabir Nagar, K.K. Khanna 65510 (BSA).
- Acmella paniculata** (Wall. ex DC.) R.K. Jansen
In wet places. *Fl. & Fr.*: September – March. *Selected specimens*: Balrampur, K.K. Khanna 68658 (BSA); Sant Kabir Nagar, K.K. Khanna 65573 (BSA).
- Adenostemma lavenia** (L.) Kuntze
In wastelands and along roadsides. *Fl. & Fr.*: October – January. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37607 (BSA); Balrampur, K.K. Khanna 59905 (BSA); Gorakhpur, C.M. Arora 1438 (BSA); Kheri, U. Shukla 69998 (BSD); Pilibhit, Hiralal 2058 (LWG); Saharanpur, Y. S. Murty & A.K. Goel 1921 (BSD).
- Ageratum conyzoides** L. (Vern.: Kukrona)
In wastelands. *Fl. & Fr.*: August – March. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37697, 39897 (BSA); Bijnor, J.P. Sharma 67150 (BSD); Gonda, K.K. Khanna 46072 (BSA); Moradabad, H.L. Prasad 79985 (BSD); Sant Kabir Nagar, K.K. Khanna 65574 (BSA).
- Amberboa ramosa** (Roxb.) Jafri
In wastelands. *Fl. & Fr.*: October – April. *Selected specimens*: Bahraich, G. Panigrahi 2840 (BSA), M.A. Rau 8149 (BSA).
- Artemisia capillaris** Thunb.
In mixed forests. *Fl. & Fr.*: July – December. *Selected specimen*: Kheri, K.K. Singh & party 218 (CDRI).
- Artemisia carvifolia** Buch.-Ham. ex Roxb.
In mixed forests. *Fl. & Fr.*: March – April. *Selected specimen*: Gonda, G. Saran & party 61420 (LWG).
- Artemisia indica** Willd.
Along roadsides. *Fl. & Fr.*: March – December. *Selected specimens*: Bahraich, S.D. Maliya 225996, 252637 (LWG); Saharanpur Y.S. Murty & A.K. Goel 1062 (BSD).
- Artemisia nilagirica** (C.B. Clarke) Pamp.
In mixed forests. *Fl. & Fr.*: September – October. *Selected specimens*: Bahraich, K.K. Khanna 39931 (BSA); Bijnor, J.P. Sharma 67240 (BSD); Gorakhpur, K.K. Singh & Party 6933 (LWG).
- Ayapana triplinervis** (Vahl) R.M. King & H. Rob.
In mixed forests. *Fl. & Fr.*: March – July. *Selected specimen*: Bahraich, S.D. Maliya 224552 (LWG).
- Baccharoides anthelmintica** (L.) Moench
In mixed forests. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6449 (BSA); Gonda, K.K. Singh & party 6147 (LWG); Kheri, K.K. Singh 7570 (CDRI); Pilibhit, D.D. Awasthi 375 (LWG).
- Bidens biternata** (Lour.) Merr. & Sherff
In moist shady places along roadsides. *Fl. & Fr.*: January – February. *Selected specimens*: Balrampur, K.K. Khanna 59914 (BSA); Bijnor, J.P. Sharma 67201 (BSD).
- Bidens bipinnata** L.
In wastelands. *Fl. & Fr.*: March – November. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 955 (BSD).
- Bidens pilosa** L.
In wastelands. *Fl. & Fr.*: August – December. *Selected specimens*: Saharanpur, Y.S. Murty & A.K. Goel 1113 (BSD).
- Blumea axillaris** (Lam.) DC.
Along roadsides. *Fl. & Fr.*: January – February. *Selected specimens*: Bahraich, Hira Lal 445, 13429 (LWG); Kheri, G. Saran & party 26332 (LWG).
- Blumea bifoliata** (L.) DC.
In wastelands. *Fl. & Fr.*: January – March. *Selected specimens*: Basti, Shail Bala s.n. (LWG); Gorakhpur, G. Panigrahi & Ram Saran 10679 (BSA).
- Blumea eriantha** DC.
In open fields. *Fl. & Fr.*: January – March. *Selected specimen*: Kheri, K.K. Singh 2807 (CDRI).
- Blumea fistulosa** (Roxb.) Kurz
In dry open places. *Fl. & Fr.*: February – June. Bahraich (Saini in J. Econ. Taxon. Bot. 29 (3): 595. 2005).
- Blumea hieraciifolia** (D. Don) DC.
var. *hamiltonii* (DC.) C.B. Clarke
In wastelands. *Fl. & Fr.*: March – June. *Selected specimen*: Kheri, K.K. Singh 7289 (CDRI).
var. *hieraciifolia*
In wastelands. *Fl. & Fr.*: January – April. *Selected specimen*: Saharanpur, V. Chandra & party 42780 (LWG).
- Blumea lacera** (Burm.f.) DC. (Vern.: Kukrontha)
In wastelands and along roadsides. *Fl. & Fr.*: November – January. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 37206 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10635 (BSA).
- Blumea laciniata** (Roxb.) DC. (Vern.: Kukrontha)
In wastelands and along roadsides. *Fl. & Fr.*: February – April. *Selected specimens*: Bahraich, G. Panigrahi 2712 (BSA); Gonda, K.K. Khanna & Ram Saran 37212 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10543 (BSA); Kheri, G. Saran & party 26663 (LWG).
- Blumea lanceolaria** (Roxb.) Druce
In moist shady places. *Fl. & Fr.*: February – April. *Selected specimen*: Saharanpur, Som Deva 5298. (BSD).
- Blumea membranacea** DC.
var. *membranacea*
In moist places. *Fl. & Fr.*: January – February. *Selected specimen*: Bahraich, Hira Lal 13421 (LWG).
var. *jacquemontii* (Hook.f.) Randeria
In moist shady places. *Fl. & Fr.*: February – March. *Selected specimen*: Gonda, K.K. Khanna & Ram Saran 37207 (BSA).
- Blumea obliqua** (L.) Druce
In moist shady places. *Fl. & Fr.*: February – March. *Selected specimen*: Bahraich, O.P. Misra 7767 (BSA).
- Blumea oxyodonta** DC.
In wastelands and along roadsides. *Fl. & Fr.*: January – March. *Selected specimens*: Gorakhpur, G. Panigrahi & Ram Saran 10772 (BSA); Kheri, G. Saran & party 26386 (LWG).
- Blumeopsis flava** (DC.) Gagnep.
In wastelands and along roadsides. *Fl. & Fr.*: February – March. *Selected specimens*: Bahraich K.K. Khanna &

Ram Saran 37623 (BSA), M.A. Rau 8229 (BSD), G. Panigrahi, 6363 (BSA); Gorakhpur, C.M. Arora 1507 (BSA).

Caesulia axillaris Roxb.

In moist places and also in moist cultivated fields. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 39832 (BSA), G. Panigrahi 6536 (BSA); Bijnor, J.P. Sharma 70349 (BSD); Gorakhpur, G. Panigrahi & Ram Saran 10686 (BSA); Kheri, C.L. Malhotra 13466 (BSD).

Carthamus oxyacantha M.Bieb.

Cultivated, also found in fallow fields. *Fl. & Fr.*: January – March. *Selected specimen*: Moradabad, H.L. Prasad 79944 (BSD).

Catamixis baccharoides Thomson

In sandy soil. *Fl. & Fr.*: January – March. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 2103 (BSD).

Centipeda minima (L.) A.Br. & Aschers. (Vern.: Nakchikani)

In moist places of wastelands. *Fl. & Fr.*: November – February. *Selected specimens*: Bahraich, C.L. Malhotra 23680 (BSD); Gorakhpur, G. Panigrahi & Ram Saran 10577 (BSA); Kheri, U. Shukla 69916 (BSD); Shravasti, K.K. Khanna 66672 (BSA).

Chromolaena odorata (L.) R.M.King & H.Rob.

On the outskirts of forests. *Fl. & Fr.*: September – November. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 388 (BSD).

Chrysanthellum americanum (L.) Vatke

In open fields and rocky places. *Fl. & Fr.*: August – November. *Selected specimens*: Gonda, V. Chandra & party 19940 (LWG); Gorakhpur, C.M. Arora 1518 (BSA).

Cichorium intybus L.

In wastelands. *Fl. & Fr.*: March – June. *Selected specimens*: Bijnor, J.P. Sharma 70332 (BSD); Saharanpur Y.S. Murty & A.K. Goel 298 (BSD).

Cirsium arvense (L.) Scop.

In fallow and cultivated fields. *Fl. & Fr.*: February – May. *Selected specimens*: Bahraich, G. Panigrahi 2868 (BSA), C.L. Malhotra 26608 (BSD); Gorakhpur, G. Panigrahi & Ram Saran 10604 (BSA); Kheri, C.L. Malhotra 31464 (BSD); Saharanpur, Y.S. Murty A.K. Goel 1421 (BSD); Sant Kabir Nagar, K.K. Khanna 68550 (BSA); Shravasti, K.K. Khanna 66685 (BSA).

Cirsium wallichii DC.

In wastelands. *Fl. & Fr.*: June – September. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1690 (BSD).

Cissampelopsis corifolia C.Jeffrey & Y.L.Chen

In moist shady places. *Fl. & Fr.*: July – September. Bahraich (Maliya in J. Econ. Taxon. Bot. 36 (2): 421. 2012).

Conyza japonica (Thunb.) Less. ex DC.

In moist shady places. *Fl. & Fr.*: February – March. *Selected specimen*: Saharanpur, V. Chandra & party 42962 (LWG).

Conyza leucantha (D.Don) Ludlow & P.H.Raven

In sal forests. *Fl. & Fr.*: January – February. *Selected specimen*: Bahraich, O.P. Misra 7908 (BSA).

Conyza rufa Wall. ex DC.

In wastelands. *Fl. & Fr.*: March – April. *Selected specimen*: Kheri, G. Saran & party 26429 (LWG).

Cosmos caudatus Kunth

In wastelands. *Fl. & Fr.*: November – January. *Selected specimen*: Gonda, K.K. Khanna & Ram Saran 37267 (BSA).

Cotula anthemoides L.

In moist places. *Fl. & Fr.*: January – March. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38597 (BSA), G. Panigrahi 2793 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10518 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 1519 (BSD).

Cotula hemisphaerica (Roxb.) Wall. ex C.B. Clarke

In moist places and paddy fields. *Fl. & Fr.*: December – April. *Selected specimens*: Bahraich, C.L. Malhotra 26666 (BSD), M.A. Rau 8129 (BSD); Kheri, U. Shukla 70275 (BSD).

Cyanthillium cinereum (L.) H.Rob. (Vern.: Sahadevi) var. **cinereum**

In wastelands, along roadsides and on the outskirts of forests. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Bahraich, O.P. Misra 7784 (BSA); Balrampur, K.K. Khanna 68639 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10765 (BSA); Sant Kabir Nagar, K.K. Khanna 67854 (BSA).

var. **linifolium** (Blume) Karthik. & Moorthy

In grassy fields. *Fl. & Fr.*: February – March. *Selected specimen*: Bahraich, M.A. Rau 8223 (BSD).

Cyanthillium patulum (Aiton) H.Rob.

In mixed forests. *Fl. & Fr.*: Almost throughout the year. *Selected specimen*: Kheri, K.K. Singh 7480 (CDRI).

Cyathocline purpurea (Buch.-Ham. ex D.Don) Kuntze
Along the banks of streams. *Fl. & Fr.*: Throughout the year. *Selected specimens*: Bahraich, M.A. Rau 8211 (BSD); Kheri, U. Shukla 70512 (BSD).

Dichrocephala integrifolia (L.f.) Kuntze

In sandy soil. *Fl. & Fr.*: August – October. *Selected specimen*: Kheri, K.K. Singh & party 7327 (CDRI).

Echinops echinatus Roxb. (Vern.: Utkataria)

In wastelands and fallow fields. *Fl. & Fr.*: March – May. *Selected specimens*: Bahraich, S.D. Maliya 224913 (LWG); Balrampur, K.K. Khanna 68192 (BSA).

Eclipta prostrata (L.) L. (Vern.: Bhangraiya)

var. **dixitii** Anand Kumar & K.K. Khanna

In moist places. *Fl. & Fr.*: March – December. *Selected specimen*: Gonda, K.K. Khanna 68494 (BSA).

var. **prostrata**

In moist places. *Fl. & Fr.*: Most parts of the year. *Selected specimens*: Bahraich, G. Panigrahi 2739 (BSA); Gonda, K.K. Khanna & Ram Saran 37175, 39056 (BSA); Saharanpur, C.L. Malhotra 22847 (BSD); Sant Kabir Nagar, K.K. Khanna 67876 (BSA).

Elephantopus scaber L. (Vern.: Bishari)

In sal forests. *Fl. & Fr.*: October – December. *Selected specimens*: Bahraich, K.K. Khanna AICRPE 82 (BSA), K.K. Khanna & Ram Saran 38569 (BSA); Gonda, K.K. Khanna & Ram Saran 38744 (BSA); Gorakhpur, C.M. Arora 1415 (BSA).

Emilia sonchifolia (L.) DC.

In wastelands. *Fl. & Fr.*: February – March. *Selected specimens*: Bahraich, O.P. Misra 7944 (BSA); Balrampur, K.K. Khanna 68707 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 454 (BSD).

Enydra fluctuans Lour.

In moist ditches along roadsides. *Fl. & Fr.*: November – December. *Selected specimens*: Bahraich, S.D. Maliya 224991 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 214 (BSD); Sant Kabir Nagar, K.K. Khanna 68593 (BSA).

***Erigeron aegyptiacus* L.**

In moist shady places. *Fl. & Fr.*: March – May. *Selected specimens*: Bahraich, S.D. Maliya 223711 (LWG); Kheri, Hira Lal 7094 (LWG).

***Erigeron bonariensis* L.**

In wastelands and gardens. *Fl. & Fr.*: July – December. *Selected specimens*: Bahraich, K.K. Khanna 46034 (BSA); Gonda, K.K. Khanna & Ram Saran 37211 (BSA); Kheri, C.L. Malhotra 23581 (BSD); Pilibhit, J.N. Vohra 58400 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 244 (BSD); Sant Kabir Nagar, K.K. Khanna 68540 (BSA).

***Erigeron canadensis* L.**

In wastelands. *Fl. & Fr.*: December – January. *Selected specimens*: Kheri, K.K. Singh & party 7606 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 1008 (BSD).

***Erigeron sublyratus* Roxb. ex DC.**

In open fields. *Fl. & Fr.*: August – February. *Selected specimen*: Kheri, K.K. Singh & party 8408 (CDRI).

***Erigeron trilobus* (Decne.) Boiss.**

In wastelands. *Fl. & Fr.*: December – January. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1387 (BSD).

***Filago hurdwarica* (Wall. ex DC.) Wagenitz**

In dried river beds. *Fl. & Fr.*: February – March. *Selected specimen*: Moradabad, C.L. Malhotra 20290 (BSD).

***Galinsoga parviflora* Cav.**

In moist and muddy places. *Fl. & Fr.*: February – March. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1503 (BSD).

***Glossocardia bidens* (Retz.) Veldkamp**

In gravelly soil. *Fl. & Fr.*: January – April. *Selected specimen*: Sitapur, G. Saran & party 26815 (LWG).

***Gnaphalium pensylvanicum* Willd.**

In moist places. *Fl. & Fr.*: January – February. *Selected specimens*: Gorakhpur, G. Panigrahi & Ram Saran 10716 (BSA); Kheri, K.K. Singh 2829 (CDRI); Sant Kabir Nagar, K.K. Khanna 68578 (BSA).

***Gnaphalium polycaulon* Pers.**

In moist wastelands. *Fl. & Fr.*: December – April. *Selected specimens*: Bahraich, G. Panigrahi 13428 (BSA); Kheri, C.L. Malhotra 13354 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1530 (BSD); Sant Kabir Nagar, K.K. Khanna 65591 (BSA); Shrivasti, K.K. Khanna 66671 (BSA).

***Gnaphalium purpureum* L.**

In moist wastelands. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, C.L. Malhotra 26623 (BSD); Bijnor, C.L. Malhotra 20241 (BSD).

***Gnomophalium pulvinatum* (Delile) Greuter**

In marshy places. *Fl. & Fr.*: December – April. *Selected specimens*: Bahraich, C.L. Malhotra 26656 (BSD); Gorakhpur, G. Panigrahi & Ram Saran 10517 (BSA); Kheri, K.K. Singh & party 682 (CDRI).

***Grangea maderaspatana* (L.) Poir.**

In dried ditches and river beds. *Fl. & Fr.*: December – May. *Selected specimens*: Bahraich, G. Panigrahi 2742 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10533 (BSA); Kheri, C.L. Malhotra 31430 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 650 (BSD).

***Helianthus annuus* L. (Vern.: Surajmukhi)**

Cultivated throughout the region. *Fl. & Fr.*: December – February.

***Hemistepta lyrata* Bunge ex Fischer & Mey.**

In mixed forests. *Fl. & Fr.*: February – May. Gorakhpur (Duthie, Fl. Gangetic Plain 1: 439. 1905).

***Himalaiella heteromalla* (D.Don) Raab-Straube**

In wastelands. *Fl. & Fr.*: March – August. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 573 (BSD).

***Ifloga spicata* (Forssk.) Sch.-Bip.**

In sandy soil. *Fl. & Fr.*: February – April. *Selected specimen*: Moradabad, C.L. Malhotra 20290 (BSD).

***Inula cappa* (Buch.-Ham. ex D.Don) DC.**

On hill slopes. *Fl. & Fr.*: August – February. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 476 (BSD).

***Inula obtusifolia* A.Kerner**

In mixed forests. *Fl. & Fr.*: September – January. *Selected specimen*: Pilibhit, D.D. Awasthi 324 (LWG).

***Ixeris polycephala* Cass.**

In moist wastelands. *Fl. & Fr.*: November – February. *Selected specimens*: Bahraich, G. Panigrahi 2727 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10607 (BSA); Kheri, C.L. Malhotra 31535 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1351 (BSD).

***Lactuca dissecta* D.Don**

In mixed forests. *Fl. & Fr.*: April – October. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1542 (BSD).

***Lactuca dolichophylla* Kitam.**

In grassy fields. *Fl. & Fr.*: July – December. *Selected specimens*: Kheri, C.L. Malhotra 31547 (BSD), K.K. Singh & party 2915 (CDRI).

***Laggera aurita* Sch.Bip. ex Schweinf.**

Along roadsides. *Fl. & Fr.*: February – March. *Selected specimen*: Gorakhpur, G. Panigrahi & Ram Saran 10603 (BSA).

***Laphangium luteoalbum* (L.) Tzvelev**

In moist places. *Fl. & Fr.*: March – June. *Selected specimens*: Bahraich, O.P. Misra 7982 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 1526 (BSD).

***Launaea acaulis* (Roxb.) Babcock ex Kerr.**

Along roadsides. *Fl. & Fr.*: January – February. *Selected specimens*: Bahraich, S.D. Maliya 224997 (LWG); Kheri, U. Shukla 70509 (BSD).

***Launaea aspleniifolia* (Willd.) Hook.f.**

In wastelands. *Fl. & Fr.*: March – October. *Selected specimens*: Bahraich, S.D. Maliya 225903 (LWG); Kheri, C.L. Malhotra 31542 (BSD), K.K. Singh 2870 (CDRI).

***Launaea procumbens* (Roxb.) Ramayya & Rajagopal**
In wastelands. *Fl. & Fr.*: March – December. *Selected specimens*: Bahraich, O.P. Mishra 8013 (BSA); Gonda, S.K. Malhotra 12111 (BSD); Gorakhpur, G. Panigrahi & Ram Saran 10656 (BSA); Moradabad, H.L. Prasad 79907 (BSD); Sant Kabir Nagar, K.K. Khanna 68543 (BSA); Shrivasti, K.K. Khanna 66693 (BSA).

***Myriactis wallichii* Less.**

In wastelands. *Fl. & Fr.*: July – September. Saharanpur (Raizada, Suppl. Duthie's Fl. Gangetic Plain 127. 1976).

***Oligochaeta ramosa* Wagenitz**

In wastelands. *Fl. & Fr.*: October – March. *Selected specimen*: Bahraich, G. Panigrahi 2840 (BSA).

***Parthenium hysterophorus* L. (Vern.: Gajar-ghas)**

In wastelands and along roadsides. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, S.D. Maliya 223753 (LWG); Gonda, K.K. Khanna & Ram Saran 39259 (BSA).

***Pentanema indicum* (L.) Ling**

In moist shady places. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, G. Panigrahi 6475

- (BSA), M.A. Rau 8103 (BSD); Kheri, C.L. Malhotra 31468 (BSD); Saharanpur, O.P. Misra 37939 (BSD).
- Pentanema vestitum** (Wall. ex DC.) Ling
Along forests roadsides. *Fl. & Fr.*: April – June. *Selected specimens*: Bahraich, S.D. Maliya 224955 (LWG); Kheri, C.L. Malhotra 31434 (BSD); Pilibhit, J.N. Vohra 58307 (BSD); Moradabad, H.L. Prasad 80010 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 512 (BSD).
- Pluchea tomentosa** DC.
In wastelands. *Fl. & Fr.*: December – February. *Selected specimen*: Kheri, K.K. Singh & party 7653 (CDRI).
- Pseudognaphalium affine** (D.Don) Anderb.
In moist shady places. *Fl. & Fr.*: March – April. *Selected specimen*: Bahraich, S.D. Maliya 224914 (LWG).
- Pulicaria angustifolia** DC.
In dried river beds. *Fl. & Fr.*: August – November. *Selected specimen*: Bahraich, O.P. Misra 7973 (BSA).
- Senecio nudicaulis** Buch.-Ham. ex D.Don
Along forests roadsides. *Fl. & Fr.*: March – October. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1677 (BSD).
- Senecio vestitus** Berg.
In mixed forests and wastelands. *Fl. & Fr.*: February – March. *Selected specimens*: Bahraich, G. Panigrahi 10628 (BSA); Gonda, K.K. Khanna & Ram Saran 37210 (BSA), K.K. Khanna 37328 (BSA); Sant Kabir Nagar, K.K. Khanna 68542 (BSA); Shravasti, K.K. Khanna 66692 (BSA).
- Sigesbeckia orientalis** L.
In mixed forests. *Fl. & Fr.*: October – December. *Selected specimens*: Bahraich, G. Panigrahi 6513 (BSA), K.K. Khanna & Ram Saran 27653 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 1128 (BSD).
- Solidago canadensis** L.
Planted in gardens. *Fl. & Fr.*: October – December. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 106 (BSD).
- Soliva anthemifolia** (A.Juss.) Sweet
In dried puddles. *Fl. & Fr.*: December – April. *Selected specimens*: Bahraich, C.L. Malhotra 26667 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1988 (BSD).
- Sonchus asper** (L.) Hill
Along roadsides. *Fl. & Fr.*: December – April. *Selected specimens*: Saharanpur, Y.S. Murty & A.K. Goel 1493 (BSD); Sant Kabir Nagar, K.K. Khanna 68571 (BSA).
- Sonchus brachyotus** DC.
In moist wastelands. *Fl. & Fr.*: December – April. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 920 (BSD).
- Sonchus oleraceus** L.
In moist wastelands. *Fl. & Fr.*: February – March. *Selected specimens*: Bahraich, G. Panigrahi 2869 (BSA); Moradabad, S.K. Malhotra 13198 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 452 (BSD).
- Sphaeranthus indicus** L.
In open dry places. *Fl. & Fr.*: November – March. *Selected specimens*: Bahraich, G. Panigrahi, 2454 (BSA), C.L. Malhotra 23650 (BSD); Gorakhpur, G. Panigrahi & Ram Saran 10574 (BSA); Moradabad, H.L. Prasad 79938 (BSD).
- Sphaeranthus senegalensis** DC.
In scrub forests. *Fl. & Fr.*: January – April. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 27 (BSD).
- Tagetes erecta** L. (Vern.: Genda)
Cultivated in gardens throughout the region. *Fl. & Fr.*: November – March.
- Tagetes patula** L. (Vern.: Genda)
Cultivated in gardens throughout the region. *Fl. & Fr.*: September – February.
- Tricholepis stictophyllum** C.B. Clarke
In grassy fields. *Fl. & Fr.*: March – April. *Selected specimen*: Kheri, C.L. Malhotra 31553 (BSD).
- Tridax procumbens** L.
In waste places. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38664 (BSA); Kheri, C.L. Malhotra 13361 (BSD); Sant Kabir Nagar, K.K. Khanna 67853 (BSA).
- Verbesina encelioides** (Cav.) Benth. & Hook.f. ex A.Gray
In cultivated fields. *Fl. & Fr.*: July – October. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 205 (BSD).
- Vernonia revoluta** Buch.-Ham.
In mixed forests. *Fl. & Fr.*: March – June. *Selected specimens*: Kheri, K.K. Singh & party 7291 (CDRI), J.K. Maheshwari & party EBH – 281 (LWG).
- Xanthium strumarium** L. (Vern.: Gokharu)
In wastelands and on the banks of ponds and lakes. *Fl. & Fr.*: March – December. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 39835 (BSA), C.L. Malhotra 26646 (BSD); Balrampur, K.K. Khanna 68790 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10711 (BSA); Moradabad, H.L. Prasad 79974 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1017 (BSD); Sant Kabir Nagar, K.K. Khanna 65595 (BSA).
- Youngia japonica** (L.) DC.
In wastelands and along roadsides. *Fl. & Fr.*: March – April. *Selected specimens*: Bahraich, S.D. Maliya 224920 (LWG); Kheri, G. Saran & party 26518 (LWG), C.L. Malhotra 31535 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1351 (BSD).
- Campanulaceae**
- Campanula dimorphantha** Schweinf.
In moist places. *Fl. & Fr.*: December – March. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 2983 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10646 (BSA); Kheri, K.K. Singh & party 7105 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 534 (BSD); Sant Kabir Nagar, K.K. Khanna 68575 (BSA).
- Lobelia alsinoides** Lam.
In moist places as undergrowth of forests and along river banks. *Fl. & Fr.*: September – January. *Selected specimen*: Bahraich, G. Panigrahi & O.P. Mishra 6596 (BSA); Gorakhpur, C.M. Arora 1411 (BSD); Kheri, C.L. Malhotra 13442 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1877 (BSD).
- Lobelia heyneana** Schult.
In moist places. *Fl. & Fr.*: August – December. *Selected specimen*: Pilibhit, J.N. Vohra 58380 (BSD).
- Wahlenbergia gracilis** (G.Forst.) A.DC.
In damp places. *Fl. & Fr.*: January – March. *Selected specimens*: Gorakhpur, J.G. Srivastava & party 48306 (LWG); Kheri, G. Saran & party 26380 (LWG); Shahjahanpur, Hira Lal s.n. (LWG).
- Wahlenbergia marginata** (Thunb.) A.DC.
In damp places. *Fl. & Fr.*: January – March. *Selected specimens*: Bahraich, G. Panigrahi 2852 (BSA); Bijnor, C.L. Malhotra 19595 (BSD); Gonda, K.K. Khanna & Ram Saran 37336 (BSA); Gorakhpur, G. Panigrahi &

Ram Saran 10523 (BSA); Kheri, K.K. Singh & party 7128 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 1919 (BSD).

Sphenocleaceae

Sphenoclea zeylanica Gaertn. (Vern.: *Tatuli*)

In marshy places. *Fl.* & *Fr.*: September – December. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6638 (BSA); Kheri, K.K. Singh 8488 (CDRI); Shahjahanpur, J.F. Duthie 4164 (DD).

Plumbaginaceae

Plumbago zeylanica L. (Vern.: *Chitrak*)

As undergrowth in mixed and sal forests. *Fl.* & *Fr.*: September – April. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6347 (BSA); Balrampur, K.K. Khanna 68193 (BSA); Deoria, A. Singh & party 63721 (LWG); Gorakhpur, G. Panigrahi 10735 (BSA); Kheri, Inayat 22334 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1136 (BSD).

Primulaceae

Anagallis arvensis L. (Vern.: *Titli*)

In gardens and cultivated fields. *Fl.* & *Fr.*: October – January. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38700 (BSA); Basti, A. Singh & party 63644 (LWG); Bijnor, C.L. Malhotra 20242 (BSD); Gonda, K.K. Khanna & Ram Saran 38700 (BSA); Gorakhpur, J.K. Maheshwari 81553 (LWG); Kheri, K.K. Singh 7579 (CDRI); Pilibhit, J.N. Vohra 58276 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 93 (BSD); Sant Kabir Nagar, K.K. Khanna 67982 (BSA); Sitapur, Khalil Ahmad 19930 (LWG).

Lysimachia obovata Buch.-Ham. ex Wall.

In moist places. *Fl.* & *Fr.*: February – April. *Selected specimen*: Kheri, K.K. Singh & party 7952 (CDRI).

Primula rotundifolia Wall.

In moist places. *Fl.* & *Fr.*: January – March. *Selected specimen*: Bahraich, Hira Lal 18442 (LWG).

Primula umbellata (Lour.) Bentvelzen

In marshy places. *Fl.* & *Fr.*: January – March. *Selected specimens*: Bahraich, G. Panigrahi 2796 (BSA); Bijnor, Y.K. Sarin 5050 (BSD); Gorakhpur, G. Panigrahi & Ram Saran 1052 (BSA); Kheri, K.K. Singh & party 7104 (CDRI); Pilibhit, J.N. Vohra 58348 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 531 (BSD); Shravasti, K.K. Khanna 66675 (BSA); Sitapur, G. Saran & party 26775 (LWG).

Myrsinaceae

Ardisia humilis Vahl

In mixed forests. *Selected specimens*: *Fl.* & *Fr.*: March – November. Bahraich, Hira Lal 458 (LWG), G.S. Srivastava 16651 (LWG); Pilibhit, D.D. Awasthi 338 (LWG).

Ardisia solanacea Roxb. (Vern.: *Bhakmal*)

In mixed and sal forests. *Fl.* & *Fr.*: March – December. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6044 (BSA); Balrampur, K.K. Khanna 68738 (BSA); Gonda, K.K. Khanna 46092 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10532 (BSA); Kheri, K.K. Singh & party 2937 (CDRI); Pilibhit, Inayat 22328 a (DD).

Embelia tsjeriam-cottam (Roem. & Schult.) DC.

In mixed forests. *Fl.* & *Fr.*: September – February. *Selected specimens*: Bahraich, O.P. Misra 7994 (BSA);

Gonda, S. Ram 1218 (DD); Gorakhpur, S. Ram 1219 (DD); Kheri, C.L. Malhotra 13384 (BSD).

Maesa indica (Roxb.) A.DC.

In mixed forests. *Fl.* & *Fr.*: December – April. Pilibhit, P.C. Kanjilal 888 (DD).

Sapotaceae

Madhuca longifolia (J.Koenig) MacBr.

var. ***longifolia*** (Vern.: *Jangli-mahua*)

In mixed forests. *Fl.* & *Fr.*: March - August. *Selected specimen*: Balrampur, K.K. Khanna 68713 (BSA).

var. ***latifolia*** (Roxb.) Chevalier (Vern.: *Mahua*)

In mixed forests, also planted near habitations. *Fl.* & *Fr.*: March - August. *Selected specimens*: Bahraich, G. Panigrahi 3009 (BSA); Gonda, K.K. Khanna 39999 (BSA); Gorakhpur, Harsukh 224126 (DD); Kheri, G. Saran & party 26476 (LWG); Pilibhit, Inayat 22412 a (DD).

Manilkara hexandra (Roxb.) Dubard (Vern.: *Khirmi*)

In mixed forests, also planted. *Fl.* & *Fr.*: November – May. *Selected specimen*: Bahraich, G. Panigrahi 2880 (BSA); Kheri, K.K. Singh & party 7207 (CDRI).

Manilkara zapota (L.) P.Royen (Vern.: *Cheeku*)

Planted. *Fl.* & *Fr.*: November – April. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 2136 (BSD).

Mimusops elengi L. (Vern.: *Maulsari*)

Planted along roadsides. *Fl.* & *Fr.*: March – September. *Selected specimen*: Bijnor, J.P. Sharma 67250 (BSD); Gonda, K.K. Khanna & Ram Saran 37191 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 51 (BSD).

Ebenaceae

Diospyros chloroxylon Roxb. (Vern.: *Pankaphan*)

In mixed forests. *Fl.* & *Fr.*: April – August. *Selected specimens*: Bahraich, Inayat 23706 (DD); Gorakhpur, Harsukh 22320 (DD).

Diospyros exsculpta Buch.-Ham.

In mixed forests. *Selected specimens*: Bahraich, V. Chandra & party 11909 (LWG), Hira Lal 16686 (LWG); Gonda, S.L. Kapoor & party 70072 (LWG); Gorakhpur, K.K. Singh & party 6130 (LWG).

Diospyros holeana Gupta & Kanjilal

In mixed forests. *Fl.* & *Fr.*: May – January. *Selected specimen*: Gonda, S. Ram 2440 (DD).

Diospyros malabarica (Desr.) Kostel.

In mixed forests. *Fl.* & *Fr.*: June – January. *Selected specimens*: Kheri, S. Ram 1265 (DD); Sitapur, G. Saran & party Acc. No. 25889 (LWG).

Diospyros melanoxylon Roxb.

var. ***melanoxylon*** (Vern.: *Tendu*)

In mixed forests. *Fl.* & *Fr.*: April – October. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37104 (BSA); Balrampur, K.K. Khanna 68725 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10621 (BSA); Kheri, G. Saran & party 26242 (LWG).

var. ***tupru*** (Buch.-Ham.) V.Singh (Vern.: *Tumari, Tupru*)

In open places. *Fl.* & *Fr.*: April – October. *Selected specimens*: Bahraich, G. Panigrahi 6395 (BSA); Gonda, S.L. Kapoor & party 70072 (LWG); Gorakhpur, S. Ram 1252 (DD); Kheri, K.K. Singh 7358 (CDRI); Pilibhit, Inayat 22321 (DD).

Diospyros montana Roxb.

In mixed forests. *Fl.* & *Fr.*: March – September. *Selected specimens*: Bijnor, J.P. Sharma 67192 (BSD); Gonda, Inayat 23705 (DD); Sitapur, G. Saran & party 26845 (LWG).

Symplocaceae

Symplocos racemosa Roxb.

In mixed forests. *Fl. & Fr.*: February – June. *Selected specimen*: Gonda, *Inayat* 23925 (DD).

Oleaceae

Chionanthus ramiflorus Roxb.

In sal forests. *Fl. & Fr.*: March – May. *Selected specimens*: Gonda, *Harsukh* 22324 (DD); Kheri, *Inayat* 22332 (DD).

Jasminum arborescens Roxb. (Vern.: *Bela, Madhavi*)

In mixed forests, also cultivated. *Fl. & Fr.*: March – August. *Selected specimens*: Bahraich, *Hira Lal* 571 (LWG); Gonda, *Harsukh* 22330 a (DD); Kheri, *C.L. Malhotra* 31447 (BSD), *G. Saran & party* 26142 (LWG); Saharanpur, *Y.S. Murty & A.K. Goel* 1005 (BSD).

Jasminum auriculatum Vahl

Cultivated. *Fl. & Fr.*: July – November. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 1285 (BSD).

Jasminum brevipetiolatum Duthie ex Brandis

In mixed forests. *Fl. & Fr.*: April – June. *Selected specimen*: Kheri, *S. Ram* 2457 (DD); Pilibhit, *Inayat* 22461 (DD).

Jasminum multiflorum (Burm.f.) Andrews (Vern.: *Chameli*)

In mixed forests, also cultivated in gardens. *Fl. & Fr.*: November – August. *Selected specimens*: Bahraich, *G. Panigrahi* 2969 (BSA); Bijnor, *J.P. Sharma* 67234 (BSD); Gonda, *K.K. Khanna & Ram Saran* 37216 (BSA); Gorakhpur, *G. Panigrahi & Ram Saran* 10679 (BSA); Kheri, *K.K. Singh & party* 7134 (CDRI); Pilibhit, *Inayat* 22331 (DD); Saharanpur, *Y.S. Murty & A.K. Goel* 206 (BSD).

Jasminum sambac (L.) Aiton (Vern.: *Bela*)

In mixed forests. *Fl. & Fr.*: June – October. *Selected specimens*: Gonda, *K.K. Khanna & Ram Saran* 37266 (BSA), *V. Chandra & party* 12499 (LWG).

Nyctanthes arbor-tristis L. (Vern.: *Harshingar*)

In mixed forests, usually planted near habitations. *Fl. & Fr.*: October – February. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 37700 (BSA), *G. Panigrahi* 2855 (BSA); Balrampur, *K.K. Khanna* 68194 (BSA); Bijnor, *V. Chandra & party* 43496 (LWG); Gorakhpur, *K.K. Singh & party* 6963 (LWG).

Olea paniculata R.Br. (Vern.: *Gair*)

In mixed forests. *Fl. & Fr.*: March – May. Saharanpur, *U.C. Bhattacharyya* 49464 (BSD).

Apocynaceae

Aganosma dichotoma (Roth) K.Schum.

In mixed forests, sometimes cultivated. *Fl. & Fr.*: April – June. *Selected specimens*: Gorakhpur, *J.G. Srivastava & party* 58312 (LWG); Kheri, *Inayat* 22152 (DD); Pilibhit, *Inayat* 22143 (DD).

Allamanda cathartica L.

Cultivated. *Fl. & Fr.*: October – February. Bahraich (Saini in *J. Econ. Taxon. Bot.* 29 (3): 609. 2005).

Alstonia scholaris (L.) R.Br. (Vern.: *Chation*)

In mixed forests, also cultivated along roadsides. *Fl. & Fr.*: November – June. *Selected specimens*: Bahraich, *S.D. Maliya* 225973 (LWG); Balrampur, *K.K. Khanna* 68195 (BSA); Kheri, *U. Shukla* 70045 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 1086 (BSD).

Carissa carandas L. (Vern.: *Karaunda*)

In scrub forests, also cultivated. *Fl. & Fr.*: April – October. *Selected specimens*: Kheri, *G. Saran & party* 26110 (LWG); Saharanpur, *Y.S. Murty & A.K. Goel* 1701 (BSD).

Carissa macrocarpa (Eckl.) A.DC.

In scrub forests. *Fl. & Fr.*: May – October. *Selected specimen*: Saharanpur, *Kaul & party* 41397 (LWG).

Carissa spinarum L. (Vern.: *Karaunda*)

In scrub forests. *Fl. & Fr.*: May – October. *Selected specimens*: Bahraich, *G. Panigrahi & O.P. Misra* 6651 (BSA); Balrampur, *K.K. Khanna* 65340 (BSA); Bijnor, *V. Chandra & party* 43917 (LWG); Gonda, *K.K. Khanna & Ram Saran* 37341 (BSA); Gorakhpur, *C.M. Arora* 1443 (BSD); Kheri, *C.L. Malhotra* 1342 (BSD); Maharajganj, *S.L. Kapoor* 42 (LWG); Pilibhit, *J.N. Vohra* 58288 (BSD); Sitapur, *G. Saran & party* 26818 (LWG).

Cascabela thevetia (L.) Lippold (Vern.: *Pila-kaner*)

Cultivated in gardens. *Fl. & Fr.*: September – December. *Selected specimens*: Balrampur, *K.K. Khanna* 68196 (BSA); Bahraich, *S.D. Maliya* 214832 (LWG); Kheri, *G. Saran & party* 26495 (LWG).

Catharanthus pusillus (Murr.) G.Don

In wastelands. *Fl. & Fr.*: August – October. *Selected specimen*: Kheri, *C.L. Malhotra* 23604 (BSD); Saharanpur, *V. Chandra & party* 42746 (LWG).

Catharanthus roseus (L.) G.Don (Vern.: *Sadabahar*)

Cultivated, also found as an escape in wastelands. *Fl. & Fr.*: Throughout the year. *Selected specimen*: Bijnor, *Y.K. Sarin* 5066 (BSD).

Chonemorpha verrucosa (Blume) Mabb.

In swampy places. *Fl. & Fr.*: August – October. *Selected specimen*: Pilibhit, *A.E. Osmaston* 1422 (DD).

Holarrhena pubescens (Buch.-Ham.) Wall. ex G.Don (Vern.: *Karra, Kura*)

In sal and mixed forests. *Fl. & Fr.*: March – December. *Selected specimens*: Bahraich, *K.K. Khanna* 39892 (BSA); Bijnor, *V. Chandra & party* 44095 (LWG); Gonda, *K.K. Khanna & Ram Saran* 37129 (BSA); Gorakhpur, *C.M. Arora* 1531 (BSD); Kheri, *U. Shukla* 69984 (BSD); Pilibhit, *D.D. Awasthi* 302 (LWG); Saharanpur, *Y.S. Murty & A.K. Goel* 1170 (BSD); Sitapur, *G. Saran & party* 26881 (LWG).

Ichnocarpus frutescens (L.) R.Br. (Vern.: *Dudhibel*)

In mixed forests. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 37610 (BSA); Balrampur, *K.K. Khanna* 54966 (BSA); Bijnor, *V. Chandra & party* 44094 (LWG); Gonda, *P. Singh* 16868 (LWG); Kheri, *J.K. Maheshwari & party* EBH-331 (LWG); Saharanpur, *Y.S. Murty & A.K. Goel* 294 (BSD); Sitapur, *T. Mukerjee* 19857 (LWG).

Nerium oleander L.

Cultivated in gardens. *Fl. & Fr.*: March – December.

Plumeria alba L.

Cultivated in gardens. *Fl. & Fr.*: November – June.

Plumeria rubra L.

Cultivated in gardens. *Fl. & Fr.*: November – June.

Rauvolfia serpentina (L.) Benth. ex Kurz (Vern.: *Dhamar-barua*)

In mixed and sal forests. *Fl. & Fr.*: May – December. *Selected specimens*: Bahraich, *K.K. Khanna* 39912 (BSA); Balrampur, *K.K. Khanna & Ram Saran* 37310 (BSA), *K.K. Khanna* 68726 (BSA); Bijnor, *V. Chandra & party* 43882 (LWG); Deoria, *K.N. Kaul* 18690 (LWG); Gorakhpur, *G. Panigrahi & Ram Saran* 10696 (BSA); Kheri, *K.K. Singh* 2947 (CDRI); Saharanpur, *Y.S. Murty & A.K. Goel* 158 (BSD).

- Tabernaemontana divaricata** (L.) R.Br. ex Roem. & Schult. (Vern.: *Chandni*)
Cultivated. *Fl. & Fr.*: March – October. *Selected specimens*: Bahraich, S.D. Maliya 214830 (LWG); Gonda, K.K. Khanna & Ram Saran 37201 (BSA).
- Vallis solanacea** (Roth) Kuntze (Vern.: *Dudhi-bel*)
In mixed forests. *Fl. & Fr.*: February – December. *Selected specimens*: Bahraich, G. Panigrahi 2907 (BSA), G. Panigrahi & O.P. Misra 6494 (BSA); Bijnor, V. Chandra & party 43674 (LWG); Gonda, Harsukh 22144 a (DD); Gorakhpur, J.G. Srivastava & party 48382 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 1641 (BSD).
- Wrightia arborea** (Dennst.) Mabb. (Vern.: *Dudhi, Indrayan*)
In deciduous forests. *Fl. & Fr.*: April – October. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6488 (BSA); Kheri, K.K. Singh & party 7902 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 1301 (BSD); Sitapur, T. Mukerjee 19955 (LWG).
- Wrightia tinctoria** R.Br. (Vern.: *Dudhi, Indrajau*)
In mixed forests. *Fl. & Fr.*: May – December. Bahraich (Saini in J. Econ. Taxon. Bot. 29: 613. 2005).
- Asclepiadaceae**
- Brachystelma pauciflorum** Duthie
Fl.: April. Bahraich (Duthie, Fl. Gangetic Plain 2: 64. 1911).
- Calotropis acia** Buch.-Ham.
In wastelands near habitations. *Fl. & Fr.*: March – June. *Selected specimens*: Bahraich, Harsukh 22173 b (DD); Kheri, Inayat 23723 (DD); Pilibhit, Inayat 22173 (DD).
- Calotropis gigantea** (L.) R.Br. (Vern.: *Aak, Madar*)
In wastelands. *Fl. & Fr.*: March – May. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38616 (BSA); Balrampur, K.K. Khanna 65333 (BSA); Gonda, K.K. Khanna & Ram Saran 37260 (BSA); Kheri, C.L. Malhotra 23564 (BSD); Maharajganj, S.L. Kapoor 46 (LWG); Pilibhit, Inayat 22174 b (DD); Saharanpur, V. Chandra & party 42747 (LWG); Sitapur, G. Saran & party 26889 (LWG).
- Calotropis procera** (Aiton) R.Br. (Vern.: *Aak, Madar*)
In wastelands and along roadsides. *Fl. & Fr.*: March – June. *Selected specimens*: Bahraich, C.L. Malhotra 26632 (BSD); Bijnor, J.P. Sharma 67196 (BSD); Gonda, K.K. Khanna & Ram Saran 37246 (BSA); Gorakhpur, Harsukh 22174 (DD); Kheri, C.L. Malhotra 23555 (BSD); Moradabad, H.L. Prasad 79926 (BSD); Pilibhit, J.N. Vohra 58350 (BSD); Sant Kabir Nagar, K.K. Khanna 68522 (BSA).
- Ceropegia bulbosa** Roxb.
Along the bank of lakes. *Fl. & Fr.*: October. *Selected specimen*: Sant Kabir Nagar, K.K. Khanna 68597 (BSA).
- Ceropegia longifolia** Wall.
In mixed forests. *Fl. & Fr.*: September – October. *Selected specimen*: Saharanpur, H.G. Champion s.n. (DD).
- Ceropegia macrantha** Wight
In mixed forests. *Fl. & Fr.*: September – October. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1793 (BSD).
- Cryptolepis dubia** (Burm.f.) M.R.Almeida (Vern.: *Anantmul, Lakhan*)
In mixed forests. *Fl. & Fr.*: May – February. *Selected specimens*: Bahraich, S.D. Maliya 227126 (LWG); Bijnor, V. Chandra & party 43898 (LWG); Gonda, K.K. Khanna & Ram Saran 37199 (BSA); Gorakhpur, Harsukh 22139 (DD); Kheri, K.K. Singh 4259 (CDRI); Pilibhit, Inayat 22154 (DD).
- Cryptolepis sinensis** (Lour.) Merr.
Along roadsides and river banks. *Fl. & Fr.*: August – October. Bahraich (Saini in J. Econ. Taxon. Bot. 29(3): 613. 2005).
- Dregea volubilis** (L.f.) Benth. ex Hook.f. (Vern.: *Nakshikni*)
Along roadsides and in open forests. *Fl. & Fr.*: March – November. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6567 (BSA); Balrampur, K.K. Khanna 68197 (BSA); Gonda, Harsukh 22176c (DD); Gorakhpur, Harsukh 22176b (DD); Kheri, K.K. Singh & party 8479 (CDRI); Pilibhit, Inayat 22176a (DD).
- Gongronema nepalense** (Wall.) Decne.
In mixed forests. *Fl. & Fr.*: October – February. *Selected specimens*: Bahraich, Sri Ram s.n. (DD); Kheri, Sri Ram s.n. (DD).
- Gymnema inodorum** (Lour.) Decne.
In mixed forests. *Fl. & Fr.*: October – January. *Selected specimens*: Bahraich, V. Chandra & party 11895, 12097 (LWG).
- Hemidesmus indicus** (L.) R.Br. (Vern.: *Dudhi, Kapoori*)
In mixed forests. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, V. Chandra & party 12383 (LWG); Balrampur, K.K. Khanna 59961 (BSA); Gonda, Harsukh 22155a (DD); Gorakhpur, Harsukh 22155 (DD); Kheri, K.K. Singh & party 7415 (CDRI).
- Holostemma ada-kodien** Schult.
In sal forests. *Fl. & Fr.*: June – August. *Selected specimen*: Bahraich, Harsukh 22159 (DD).
- Leptadenia pyrotechnica** (Forssk.) Decne.
Along roadsides and in sal forests. *Fl. & Fr.*: October – February. *Selected specimens*: Bahraich, V. Chandra & party 12356 (LWG); Gonda, P. Singh 16823 (LWG); Kheri, Khalil Ahmad 19804 (LWG).
- Leptadenia reticulata** (Retz.) Wight & Arn.
Along roadsides and in sal forests. *Fl. & Fr.*: July – March. *Selected specimens*: Bahraich, Harsukh 22158 (DD); Gonda, Harsukh 22158a (DD), S.K. Jain 16816 (LWG); Kheri, K.K. Singh & party 7728 (CDRI); Sitapur, Ram Pher 19896 (LWG).
- Marsdenia lucida** Edgew. ex Madden
In mixed forests. *Fl. & Fr.*: March – June. *Selected specimen*: Bahraich, S.D. Maliya 223687 (LWG).
- Marsdenia tenacissima** (Roxb.) Moon (Vern.: *Dudhia bela*)
In mixed forests. *Fl. & Fr.*: April – June. *Selected specimens*: Gonda, Harsukh 22167 (DD); Pilibhit, Inayat 25935 (DD).
- Orthanthera viminea** Wight & Arn.
In mixed forests. *Fl. & Fr.*: August – December. *Selected specimen*: Gonda, Harsukh 22966 (DD).
- Oxystelma esculentum** (L.f.) Sm. (Vern.: *Dudhi bel*)
Along roadsides and in wastelands. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, S.D. Maliya 225206 (LWG); Balrampur, K.K. Khanna 65321, 68198 (BSA); Gorakhpur, Harsukh 22172 (DD); Kheri, Inayat 22161 (DD); Pilibhit, Sis Ram s.n. (DD); Saharanpur, Y.S. Murty & A.K. Goel 1236 (BSD); Sitapur, Hira Lal 19922 (LWG).
- Pergularia hamiltonii** (Wight) D.Dietr.
Along roadsides. *Fl. & Fr.*: August – December. *Selected specimens*: Gonda, Harsukh 22169c (DD);

Gorakhpur, *Harsukh* 22169b (DD); Kheri, *Inayat* 22169 (DD); Pilibhit, *Inayat* 25938 (DD).

Periploca aphylla Decne.

In mixed forests. *Fl. & Fr.*: September – February. *Selected specimen*: Gonda, *V. Chandra & party* 12478 (LWG).

Telosma pallida (Roxb.) W.G.Craib

In wastelands and along roadsides. *Fl. & Fr.*: May – July. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 37686 (BSA); Bijnor, *V. Chandra & party* 43907 (LWG); Gorakhpur, *Gupta & team* 9427 (LWG).

Tylophora fasciculata Buch.-Ham. ex Wight

In mixed forests. *Fl. & Fr.*: April – May. *Selected specimens*: Bahraich, *Harsukh* 22165 (DD); Gorakhpur, *Harsukh* 22170 (DD).

Tylophora himalaica Hook.f.

In mixed forests. *Fl. & Fr.*: May – July. *Selected specimen*: Bahraich, *S.D. Maliya* 224953 (LWG).

Tylophora indica (Burm.f.) Merr.

In mixed forests. *Fl. & Fr.*: May – September. *Selected specimens*: Gorakhpur, *C.L. Malhotra* 12339 (BSD); Kheri, *K.K. Singh* s.n. (CDRI).

Tylophora rotundifolia Buch.-Ham. ex Wight

In mixed and sal forests. *Fl. & Fr.*: May – September. *Selected specimens*: Gonda, *Inayat* 23717 (DD); Gorakhpur, *Harsukh* 22171 (DD); Kheri, *K.K. Singh* 7471 (CDRI); Pilibhit, *Inayat* 25946 (DD).

Loganiaceae

Mitreola petiolata (J.F.Gmelin) Torr. & A.Gray

In moist shady places. *Fl. & Fr.*: September – October. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 37649 (BSA); Kheri, *K.K. Singh & party* 7852 (CDRI).

Strychnos nux-vomica L.

Planted. *Fl. & Fr.*: March – January. *Selected specimens*: Gorakhpur, *Harsukh* 22323 (DD); Saharanpur, *Y.S. Murty & A.K. Goel* 1646 (BSD).

Buddlejaceae

Buddleja asiatica Lour.

In moist places of mixed forests. *Fl. & Fr.*: February – May. *Selected specimens*: Bahraich, *Hira Lal* 424 (LWG); Balrampur, *K.K. Khanna* 68739 (BSA); Gonda, *V. Chandra & party* 12518 (LWG); Kheri, *K.K. Singh & party* 8391 (CDRI); Saharanpur, *Y.S. Murty & A.K. Goel* 2115 (BSD); Shravasti, *K.K. Khanna* 66684 (BSA).

Buddleja madagascariensis Lam.

In mixed forests. *Fl. & Fr.*: January – March. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 69 (BSD).

Gentianaceae

Canscora decussata (Roxb.) Roem. & Schult.

In moist shady places. *Fl. & Fr.*: September – October. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 37613 (BSA); Bijnor, *V. Chandra & party* 43475 (LWG); Kheri, *K.K. Singh & party* 7850 (CDRI); Saharanpur, *J.V.S. Rao* 39949 (BSD); Shravasti, *K.K. Khanna* 65639 (BSA).

Canscora diffusa (Vahl) R.Br. ex Roem. & Schult.

In moist shady places. *Fl. & Fr.*: October – December. *Selected specimens*: Bahraich, *Hira Lal* 13443 (LWG); Gonda, *K.K. Khanna & Ram Saran* 39208 (BSA); Kheri, *Inayat* 22317 (DD); Saharanpur, *Y.S. Murty & A.K. Goel* 1791 (BSD).

Centaurium centaurioides (Roxb.) S.R.Rao & Hemadri
In mixed forests. *Fl. & Fr.*: August – September. *Selected specimens*: Gorakhpur, *Harsukh* 22318 (DD); Kheri, *G. Saran & party* 26289 (LWG).

Centaurium pulchellum (Sw.) Druce

In harvested paddy fields. *Fl. & Fr.*: August – September. *Selected specimens*: Gonda, *K.K. Khanna & Ram Saran* 37338 (BSA); Kheri, *K.K. Singh & party* 2836, 7171 (CDRI); Saharanpur, *Y.S. Murty & A.K. Goel* 1708 (BSD).

Exacum pedunculatum L.

Along the banks of lakes. *Fl. & Fr.*: November – March. *Selected specimen*: Gorakhpur, *J.G. Srivastava & party* 48337 (LWG).

Exacum tetragonum Roxb.

Along forest roads. *Fl. & Fr.*: September – February. *Selected specimens*: Bahraich, *G. Panigrahi* 6473 (BSA); Kheri, *K.K. Singh & party* 7933 (CDRI); Pilibhit, *Inayat* 25952 (DD), *D.D. Awasthi* 333 (LWG).

Gentiana decemfida Buch.-Ham. ex D.Don

In mixed forests. *Fl. & Fr.*: September – December. *Selected specimen*: Saharanpur, *U.C. Bhattacharyya* 49459 (BSD).

Hoppea dichotoma Heyne ex Willd.

In mixed forests. *Fl. & Fr.*: October – November. *Selected specimens*: Bahraich, *O.P. Misra* 8020 (BSA); Saharanpur, *Y.S. Murty & A.K. Goel* 1118 (BSD).

Swertia angustifolia Buch.-Ham. ex D.Don

var. *elegans* C.B.Clarke

In moist places. *Fl. & Fr.*: October – December. *Selected specimens*: Bahraich, *Inayat* 23730 (DD); Kheri, *Inayat* 22315 (DD).

var. *pulchella* Burkill

In open moist places. *Fl. & Fr.*: September – November. *Selected specimen*: Kheri, *N. Hearle* s.n. (DD).

Swertia paniculata Wall. (Vern.: *Phul-baigni*)

In mixed forests. *Fl. & Fr.*: September – December. *Selected specimen*: Pilibhit, *D.D. Awasthi* 334 (LWG).

Menyanthaceae

Nymphoides hydrophylla (Lour.) Kuntze

In ponds and lakes. *Fl. & Fr.*: July – September. *Selected specimens*: Bijnor, *J.P. Sharma* 67130 (BSD); Gorakhpur, *Harsukh* 22314b (DD); Kheri, *Inayat* 22314 (DD); Pilibhit, *Inayat* 22314a (DD); Saharanpur, *Y.S. Murty & A.K. Goel* 390 (BSD); Sant Kabir Nagar, *K.K. Khanna* 68545, 68584 (BSA); Shravasti, *K.K. Khanna* 66694 (BSA).

Nymphoides indica (L.) Kuntze

In ponds and lakes. *Fl. & Fr.*: June – September. *Selected specimens*: Bahraich, *C.L. Malhotra* 23683 (BSD); Bijnor, *Y.K. Sarin* 5097 (BSD); Gorakhpur, *Harsukh* 22313 (DD); Kheri, *C.L. Malhotra* 31493 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 2041 (BSD); Sant Kabir Nagar, *K.K. Khanna* 68590 (BSA); Sitapur, *G. Saran & party* 26371 (LWG).

Polemoniaceae

Phlox drummondii Hook.

Cultivated in gardens. *Fl. & Fr.*: January – March.

Hydrophyllaceae

Hydrolea zeylanica (L.) Vahl

Along the edges of ponds and in water-logged paddy fields. *Fl. & Fr.*: November – February. *Selected specimens*: Bahraich, *G. Panigrahi & O.P. Misra* 6531 (BSA); Balrampur, *G.S. Srivastava* 16932 (LWG);

Bijnor, V. Chandra & party 44070 (LWG); Kheri, C.L. Malhotra 13320 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 993 (BSD); Shahjahanpur, J.F. Duthie 4217 (DD).

Boraginaceae

Arnebia hispidissima (Sieber ex Lehm.) A.DC. (Vern.: Ratanjot)

In sandy and rocky places. *Fl. & Fr.*: December – April. *Selected specimens*: Bahraich, C.L. Malhotra 26622 (BSD); Kheri, K.K. Singh & party 7614 (CDRI); Moradabad, H.L. Prasad 79995 (BSD); Pilibhit, Inayat 22187 (DD); Saharanpur, Y.S. Murty & A.K. Goel 1631 (BSD); Sitapur, G. Saran & party 26793 (LWG).

Borago officinalis L.

Cultivated. *Fl. & Fr.*: June – August. *Selected specimen*: Saharanpur, Acc. No. 1656 (DD).

Bothriospermum tenellum (Hornem.) Fischer & C.A.Meyer

In moist places. *Fl. & Fr.*: February – April. *Selected specimens*: Bahraich, M.A. Rau 8231 (BSD); Gorakhpur, J.G. Srivastava & party 48366 (LWG); Kheri, K.K. Singh & party 2898 (CDRI).

Coldenia procumbens L. (Vern.: Murlī)

In moist wastelands. *Fl. & Fr.*: October – May. *Selected specimens*: Basti, Hira Lal 2923 (LWG); Gonda, Harsukh 22199 (DD).

Cordia dichotoma G.Forster (Vern.: Lasora)

Along roadsides and near habitations. *Fl. & Fr.*: March – June. *Selected specimens*: Bahraich, S.D. Maliya 214896 (LWG); Balrampur, K.K. Khanna & Ram Saran 37230 (BSA); Gorakhpur, Harsukh 22189a (DD); Kheri, K.K. Singh & party 2942 (CDRI); Moradabad, H.L. Prasad 79971 (BSD); Pilibhit, Inayat 22189 (DD); Saharanpur, Y.S. Murty & A.K. Goel 1686 (BSD); Sitapur, G. Saran & party 26809 (LWG).

Cordia grandis Roxb.

In mixed forests. *Fl. & Fr.*: February – April. *Selected specimen*: Bahraich, O.P. Misra 7943 (BSA).

Cordia macledodii (Griff.) Hook.f. & Thomson

In mixed forests. *Fl. & Fr.*: March – May. *Selected specimen*: Pilibhit, Inayat 25956 (DD).

Cordia sinensis Lam. (Vern.: Godani)

Along roadsides. *Fl. & Fr.*: March – May. *Selected specimen*: Moradabad, H.L. Prasad 80005 (BSD).

Cordia vestita (A.DC.) Hook.f. & Thomson

Cultivated. *Fl. & Fr.*: March – April. *Selected specimens*: Saharanpur, N. Hearle s.n. (DD), Y.S. Murty & A.K. Goel 2151 (BSD).

Cynoglossum lanceolatum Forssk.

In mixed forests. *Fl. & Fr.*: September – May. *Selected specimens*: Bahraich, G. Panigrahi 2843 (BSA); Bijnor, J.P. Sharma 70307 (BSD); Gonda, M.A. Rau 12077 (BSD); Kheri, K.K. Singh & party 2964 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 294 (BSD).

Cynoglossum meeboldii Brand

In moist shady places. *Fl. & Fr.*: March – August. Bahraich (Saini in J. Econ. Taxon. Bot. 29 (3): 619. 2005).

Cynoglossum wallichii G.Don var. **glochidiatum** (Wall. ex Benth.) Kazmi

As forest undergrowth. *Fl. & Fr.*: August – December. *Selected specimen*: Saharanpur, V. Chandra & party 42882 (LWG).

Cynoglossum zeylanicum (Vahl ex Hornem.) Brand

As forest undergrowth. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, G. Panigrahi & O.P.

Misra 6450 (BSA), G. Panigrahi 2843 (BSA); Deoria, A. Singh & party 63715 (LWG); Kheri, C.L. Malhotra 23537 (BSD); Saharanpur, V. Chandra & party 42774 (LWG).

Ehretia acuminata R.Br.

In mixed forests. *Fl. & Fr.*: March – July. *Selected specimens*: Gonda, Inayat 23733 (DD); Kheri, Inayat 22188a (DD); Pilibhit, Inayat 22188 (DD); Saharanpur, Y.S. Murty & A.K. Goel 1621 (BSD).

Ehretia laevis Roxb.

In mixed forests. *Fl. & Fr.*: March – May. *Selected specimens*: Bahraich, C.L. Malhotra 26730 (BSD); Bijnor, Attar 62 (BSD); Gonda, A.E. Osmaston 703 (DD); Gorakhpur, J.G. Srivastava & party 48340 (LWG); Kheri, C.L. Malhotra 31463 (BSD); Maharajganj, S.L. Kapoor 31 (LWG); Pilibhit, J.N. Vohra 58376 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 563 (BSD); Sitapur, Khalil Ahmad 19828 (LWG).

Heliotropium ellipticum Ledeb. (Vern.: Hathi-sund)

In wastelands. *Fl. & Fr.*: November – January. *Selected specimen*: Gonda, K.K. Khanna & Ram Saran 37327 (BSA).

Heliotropium indicum L. (Vern.: Hathi-sund)

In moist wastelands. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37649 (BSA); Balrampur, K.K. Khanna & Ram Saran 37255 (BSA); Gonda, G.S. Srivastava 16902 (LWG); Gorakhpur, Harsukh 22181a (DD).

Heliotropium marifolium J.Koenig ex Retz.

Along lake and pond banks. *Fl. & Fr.*: August – March. *Selected specimens*: Bahraich, S.D. Maliya 223776 (LWG); Gonda, V. Chandra & party Acc. No. 18667 (LWG).

Heliotropium ovalifolium Forssk.

In moist places and along ponds. *Fl. & Fr.*: August – June. *Selected specimen*: Gorakhpur, Harsukh 22182 (DD).

Heliotropium strigosum Willd.

In wastelands and along edges of ponds. *Fl. & Fr.*: April – December. *Selected specimens*: Bahraich, Harsukh 22207 (DD); Balrampur, K.K. Khanna & Ram Saran 37242 (BSA), K.K. Khanna 54974 (BSA); Gonda, Inayat 23736a (DD); Gorakhpur, Harsukh 22183 (DD); Kheri, K.K. Singh 3066 (CDRI); Pilibhit, Inayat 22185 (DD); Sitapur, G. Saran & party 26835 (LWG).

Trichodesma indicum (L.) R.Br. ex Lehm.

In wastelands and along roadsides. *Fl. & Fr.*: July – November. *Selected specimens*: Bahraich, V. Chandra & party 11967 (LWG); Bijnor, K.M. Vaid s.n. (DD); Deoria, Ajay Singh & party 63731 (LWG); Gonda, Harsukh 22192 (DD); Gorakhpur, Harsukh 22193 (DD); Kheri, C.L. Malhotra 31459 (BSD); Moradabad, H.L. Prasad 79956 (BSD); Pilibhit, Inayat 26105 (DD); Saharanpur, Y.S. Murty & A.K. Goel 120 (BSD); Sitapur, Putti Lal 89539 (LWG).

Trichodesma sedgwickianum Banerjee

In moist wastelands and along drains. *Fl. & Fr.*: July – October. *Selected specimens*: Bahraich, S.D. Maliya 223774 (LWG); Gonda, Singh & team 9416 (LWG); Kheri, K.K. Singh & party 4234 (CDRI).

Trichodesma zeylanicum (Burm.f.) R.Br.

In wastelands and along roadsides. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Bahraich, Hira Lal 501 (LWG); Kheri, K.K. Singh & party 3033 (CDRI).

Convolvulaceae

Argyreia bella (C.B.Clarke) Raizada

In mixed forests. *Fl. & Fr.*: September – December. *Selected specimen*: Bahraich, V. Chandra & party 12106 (LWG).

Argyreia nasirii D.F.Austin

In mixed forests. *Fl. & Fr.*: September – January. *Selected specimens*: Kheri, P.C. Kanjilal Acc. No. 10725 (LWG), Inayat 22311 (DD); Pilibhit, Inayat 22310 (DD).

Argyreia thomsonii (C.B.Clarke) Craib ex Babu

In wastelands. *Fl. & Fr.*: September – December. *Selected specimens*: Bijnor, V. Chandra & party 43539 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 1194 (BSD).

Convolvulus arvensis L. (Vern.: Hirankhuri)

In wastelands, cultivated fields and along roadsides. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37699 (BSA); Bijnor, C.L. Malhotra 20271 (BSD); Moradabad, H.L. Prasad 79999 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1328 (BSD).

Convolvulus prostratus Forssk. (Vern.: Shankhpushpi)

In fallow and cultivated fields. *Fl. & Fr.*: October – March. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6662 (BSA); Bijnor, J.P. Sharma 67112 (BSD); Gonda, K.K. Khanna & Ram Saran 37273 (BSA); Kheri, K.K. Singh 2891 (CDRI); Moradabad, H.L. Prasad 79915 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1549 (BSD); Shravasti, K.K. Khanna 66666 (BSA); Sitapur, G. Saran & party 26776 (LWG).

Erycibe paniculata Roxb.

Along forest roads. *Fl. & Fr.*: Most parts of the year. *Selected specimens*: Bahraich, G. Panigrahi 2877 (BSA), Hira Lal 465 (LWG).

Evolvulus alsinoides (L.) L. (Vern.: Shankhpushpi)

var. **alsinoides**

In wastelands, cultivated fields and on the outskirts of forests. *Fl. & Fr.*: July – December. *Selected specimens*: Bahraich, C.L. Malhotra 26620 (BSD); Balrampur, K.K. Khanna 54991 (BSA); Bijnor, J.P. Sharma 67296 (BSD); Gonda, M.A. Rau 12096 (BSD); Kheri, C.L. Malhotra 23518 (BSD); Moradabad, H.L. Prasad 79993 (BSD); Pilibhit, Inayat 22291a (DD); Saharanpur, Y.S. Murty & A.K. Goel 307 (BSD).

var. **decumbens** (R.Br.) Ooststr.

In wastelands. *Fl. & Fr.*: August – December. *Selected specimen*: Kheri, K.K. Singh 8366 (CDRI).

var. **wallichii** Ooststr.

In wastelands. *Fl. & Fr.*: August – December. *Selected specimen*: Kheri, K.K. Singh & party 7114 (CDRI).

Evolvulus nummularius (L.) L. (Vern.: Safed-shankhpushpi)

In wastelands, rock crevices and gardens. *Fl. & Fr.*: July – February. *Selected specimens*: Bahraich, O.P. Misra 7870 (BSA); Bijnor, J.P. Sharma 67259 (BSD); Gonda, K.K. Khanna & Ram Saran 37171 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10778 (BSA); Kheri, C.L. Malhotra 13351 (BSD); Moradabad, C.M. Arora 37122 (BSD); Pilibhit, J.N. Vohra 58263 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 511 (BSD).

Ipomoea aquatica Forssk. (Vern.: Karemua, Nari)

In ponds, lakes and puddles. *Fl. & Fr.*: November – March. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38629 (BSA), G. Panigrahi 6546 (BSA); Basti, A. Singh & party 63614 (LWG); Bijnor, J.P. Sharma 67126 (BSD); Gonda, K.K. Khanna & Ram

Saran 39120 (BSA); Gorakhpur, Harsukh 22298 (DD); Kheri, K.K. Singh & party s.n. (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 765 (BSD); Sant Kabir Nagar, K.K. Khanna 68516 (BSA); Shahjahanpur, Duthie 4234a (DD); Shravasti, Anand Prakash 220045 (LWG).

Ipomoea barlerioides (Choisy) Benth. ex C.B.Clarke

In mixed and sal forests. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, Harsukh 22296 (DD); Gonda, Inayat 23745 (DD); Gorakhpur, Harsukh 22296a (DD); Kheri, K.K. Singh & party 7860 (CDRI); Pilibhit, Inayat 25960 (DD).

Ipomoea batatas (L.) Lam. (Vern.: Shakarkand)

Cultivated. *Fl. & Fr.*: October – December. *Selected specimen*: Bahraich, S.D. Maliya 227196 (LWG).

Ipomoea cairica (L.) Sweet

In the vicinity of villages, gardens and on walls. *Fl. & Fr.*: October – June. *Selected specimens*: Bahraich, V. Chandra & party 12268 (LWG); Bijnor, Attiar 183 (BSD), V. Chandra & party 44003 (LWG); Gonda, K.K. Khanna & Ram Saran 37352 (BSA); Kheri, K.K. Singh & party 7405 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 667 (BSD).

Ipomoea carnea Jacq. (Vern.: Behaya)

In wastelands and puddles, also on the banks of ponds and lakes. *Fl. & Fr.*: August – March. *Selected specimens*: Bahraich, S.D. Maliya 214844 (LWG); Balrampur, K.K. Khanna 68723 (BSA); Bijnor, J.P. Sharma 70316 (BSD); Gonda, K.K. Singh & party 6133 (LWG); Kheri, U. Shukla 70037 (BSD); Saharanpur, J.V.S. Rao 39874 (BSD); Sant Kabir Nagar, K.K. Khanna 65582, 68573 (BSA).

Ipomoea dichroa (Roem. & Schult.) Choisy

In gardens and on the outskirts of forests. *Fl. & Fr.*: August – November. *Selected specimen*: Bijnor, Attiar 174 (BSD).

Ipomoea eriocarpa R.Br. (Vern.: Boota)

In wastelands and on the outskirts of forests. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6619 (BSA); Bijnor, J.P. Sharma 67280 (BSD); Kheri, K.K. Singh & party 7882 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 1200 (BSD).

Ipomoea hederifolia L. (Vern.: Kamlata)

Cultivated. *Fl. & Fr.*: August – December. *Selected specimen*: Saharanpur, O.P. Misra 37944 (BSD).

Ipomoea marginata (Desr.) Verdc.

In open places and on the outskirts of forests. *Fl. & Fr.*: September – November. *Selected specimens*: Gonda, Harsukh 22309b (DD); Gorakhpur, Harsukh 22309 (DD); Kheri, Inayat 22308 (DD); Pilibhit, Inayat 22308a (DD).

Ipomoea muricata (L.) Jacq.

In wastelands. *Fl. & Fr.*: September – December. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1027 (BSD).

Ipomoea nil (L.) Roth (Vern.: Nilkalmi)

In wastelands and on the outskirts of forests. *Fl. & Fr.*: August – December. *Selected specimens*: Bijnor, J.P. Sharma 70310 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 456 (BSD).

Ipomoea obscura (L.) Ker-Gawl.

In gardens, open places and on the outskirts of forests. *Fl. & Fr.*: September – January. *Selected specimens*: Bahraich, S.K. Jain 16467 (LWG); Balrampur, K.K. Khanna 65302 (BSA); Kheri, K.K. Singh 7518 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 1326 (BSD); Sant Kabir Nagar, K.K. Khanna 65507 (BSA).

***Ipomoea pes-tigridis* L.**

In gardens, wastelands and in the vicinity of villages. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, S.D. Maliya 224647 (LWG); Balrampur, K.K. Khanna 68199 (BSA); Bijnor, V. Chandra & party 43860 (LWG); Deoria, A. Singh & party 63691 (LWG); Kheri, K.K. Singh & party 7453 (CDRI); Saharanpur, O.P. Misra 37924 (BSD); Sitapur, G.S. Srivastava 22152 (LWG).

***Ipomoea quamoclit* L.**

In the vicinity of villages, also as an escape in forests. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, S.D. Maliya 224505 (LWG); Basti, A. Singh & party 63635 (LWG); Bijnor, J.P. Sharma 67274 (BSD); Deoria, A. Singh & party 63728 (LWG); Kheri, K.K. Singh 7408 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 383 (BSD).

***Ipomoea repens* (L.) Lam.**

In mixed forests. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, S.K. Jain 16488 (LWG); Gorakhpur, S.K. Bose Acc. No. 1024 (LWG); Kheri, G. Saran & party 26293 (LWG).

***Ipomoea rumicifolia* Choisy**

In mixed forests. *Fl. & Fr.*: November – December. *Selected specimens*: Kheri, K.K. Singh & party 7598 (CDRI), Inayat 22297 (DD).

***Jacquemontia pentantha* (Jacq.) G. Don**

On the outskirts of forests. *Fl. & Fr.*: October – January. *Selected specimens*: Bahraich, P. Singh 16585 (LWG); Gonda, P. Singh 16794 (LWG).

***Merremia aegyptia* (L.) Urb. (Vern.: Ghiabel)**

Along roadsides and on the outskirts of forests. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, V. Chandra & party 12268 (LWG); Kheri, K.K. Singh 1997 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 1238 (BSD).

***Merremia dissecta* (Jacq.) Hall.f.**

Cultivated, also found as an escape. *Fl. & Fr.*: November – June. *Selected specimens*: Bijnor, J.P. Sharma 67229 (BSD); Kheri, K.K. Singh & party 4249 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 932 (BSD).

***Merremia emarginata* (Burm.f.) Hallier f.**

In open places. *Fl. & Fr.*: October – December. *Selected specimen*: Gonda, Harsukh 22967 (DD).

***Merremia hederacea* (Burm.f.) Hallier f.**

In gardens and on the outskirts of forests. *Fl. & Fr.*: October – December. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38571 (BSA), G. Panigrahi 6607 (BSA); Balrampur, K.K. Khanna & Ram Saran 39088 (BSA); Gorakhpur, C.M. Arora 1485 (BSD); Kheri, K.K. Singh & party 7801 (CDRI); Pilibhit, Inayat 22308b (DD); Saharanpur, Y.S. Murty & A.K. Goel 1011 (BSD).

***Merremia peltata* (L.) Merr.**

On the outskirts of forests. *Fl. & Fr.*: March – May. *Selected specimens*: Gonda, Inayat 23746 (DD); Kheri, K.K. Singh & party 7124 (CDRI); Pilibhit, Inayat 22305 (DD).

***Merremia quinata* (R.Br.) Ooststr.**

In sal forests. *Fl. & Fr.*: September – October. *Selected specimen*: Kheri, K.K. Singh & party 7474 (CDRI).

***Merremia umbellata* (L.) Hallier f.**

In mixed forests. *Fl. & Fr.*: October – December. *Selected specimen*: Bahraich, G. Panigrahi & O.P. Misra 6545 (BSA).

***Merremia vitifolia* (Burm.f.) Hallier f.**

On the banks of streams and lakes. *Fl. & Fr.*: January – April. *Selected specimen*: Gorakhpur, G. Panigrahi & Ram Saran 10678 (BSA).

***Operculina turpethum* (L.) Silva Manso (Vern.: Tidhara)**

In gardens, open places and mixed forests. *Fl. & Fr.*: September – January. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6517 (BSA); Balrampur, K.K. Khanna 65337, 65343 (BSA); Bijnor, J.P. Sharma 67146 (BSD); Kheri, U. Shukla 69922 (BSD); Pilibhit, Hira Lal 2062 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 988 (BSD).

***Porana paniculata* Roxb. (Vern.: Safed-bel)**

Cultivated in gardens and also in mixed forests. *Fl. & Fr.*: October – February. *Selected specimens*: Bahraich, G. Panigrahi 2893 (BSA); Bijnor, V. Chandra & party 43500 (LWG); Gonda, K.K. Khanna & Ram Saran 38762 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10665 (BSA); Kheri, B.P. Uniyal & S. Singh 88962 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 355 (BSD).

***Rivea hypocrateriformis* (Desr.) Choisy**

On the outskirts of forests. *Fl. & Fr.*: July – October. *Selected specimen*: Gonda, V. Chandra & party 12235 (LWG).

***Rivea ornata* Choisy (Vern.: Rampan)**

In scrub forests. *Fl. & Fr.*: July – October. *Selected specimens*: Gonda, Gupta, Singh & team 9415 (LWG); Kheri, K.K. Singh & party 8503 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 1386 (BSD).

Cuscutaceae

***Cuscuta reflexa* Roxb. (Vern.: Amarbel)**

Over bushes and small trees. *Fl. & Fr.*: October – February. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38729 (BSA); Balrampur, K.K. Khanna 68200 (BSA); Bijnor, C.L. Malhotra 20261 (BSD); Gonda, P. Singh 16828 (LWG); Kheri, K.K. Singh 4257 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 1327 (BSD).

***Cuscuta santapau* Banerji & Sitesh Das**

Over small trees. *Fl. & Fr.*: October – November. *Selected specimen*: Bijnor, J.P. Sharma 67151 (BSD).

Solanaceae

***Capsicum annuum* L. (Vern.: Mircha)**

Cultivated. *Fl. & Fr.*: Throughout the year. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 37168 (BSA); Kheri, J.K. Maheshwari & party EBH-365 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 1130 (BSD).

***Cestrum diurnum* L. (Vern.: Din-ka-raj)**

Cultivated. *Fl. & Fr.*: Throughout the year. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38632 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 274 (BSD).

***Cestrum nocturnum* L. (Vern.: Raat-ki-rani)**

Cultivated. *Fl. & Fr.*: October – February. *Selected specimens*: Bahraich, S.D. Maliya 214836 (LWG); Gonda, K.K. Khanna & Ram Saran 37349 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 79 (BSD).

***Datura innoxia* Mill. (Vern.: Dhatura)**

In wastelands, along roadsides and near habitations. *Fl. & Fr.*: August – April. *Selected specimens*: Bahraich, O.P. Misra 7931 (BSA); Bijnor, J.P. Sharma 67124 (BSD); Gonda, S.K. Malhotra 12148 (BSD); Kheri, K.K. Singh 8415 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 1334 (BSD); Sant Kabir Nagar, K.K. Khanna 67930 (BSA).

Datura metel L. (Vern.: *Dhatura*)

In wastelands and near habitations. *Fl. & Fr.*: Most parts of the year. *Selected specimens*: Bahraich, *G. Panigrahi & O.P. Misra* 6448 (BSA); Gonda, *K.K. Khanna & Ram Saran* 37261 (BSA); Gorakhpur, *G. Panigrahi & Ram Saran* 10660 (BSA); Kheri, *U. Shukla* 69946 (BSD); Saharanpur, *J.V.S. Rao* 39935 (BSD).

Lycopersicon esculentum Mill. (Vern.: *Tamatar*)

Cultivated throughout the region. *Fl. & Fr.*: Throughout the year. *Selected specimens*: Bijnor, *Y.K. Sarin* 5045 (BSD); Kheri, *J.K. Maheshwari & party* EBH-361 (LWG); Saharanpur, *Y.S. Murty & A.K. Goel* 1240 (BSD).

Nicotiana plumbaginifolia Viv. (Vern.: *Jangli-tambakhu*)

Along river banks, in gardens and vicinity of villages. *Fl. & Fr.*: November – April. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 37120 (BSA); Balrampur, *K.K. Khanna* 68627 (BSA); Bijnor, *J.P. Sharma* 67140 (BSD); Kheri, *C.L. Malhotra* 23597 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 110 (BSD); Sitapur, *G. Saran & party* 26689 (LWG).

Nicotiana rustica L.

In wastelands. *Fl. & Fr.*: November – February. *Selected specimen*: Kheri, *J.K. Maheshwari & party* EBH-274 (LWG).

Nicotiana tabacum L. (Vern.: *Tambakhoo*)

Cultivated. *Fl. & Fr.*: December – April.

Physalis angulata L.

Along river banks. *Fl. & Fr.*: August – February. *Selected specimens*: Bijnor, *J.P. Sharma* 70325 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 476 (BSD).

Physalis minima L. (Vern.: *Makoy*)

In gardens, cultivated fields and along river banks. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, *O.P. Misra* 7724 (BSA); Balrampur, *K.K. Khanna* 68719 (BSA); Bijnor, *J.P. Sharma* 67133 (BSD); Deoria, *A. Singh & party* 63681 (LWG); Gonda, *K.K. Khanna & Ram Saran* 37221 (BSA); Kheri, *B.P. Uniyal* 88949 (BSD); Moradabad, *H.L. Prasad* 79955 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 1351 (BSD); Sant Kabir Nagar, *K.K. Khanna* 68517 (BSA).

Physalis peruviana L.

Cultivated, also found as an escape in wastelands. *Fl. & Fr.*: January – May. *Selected specimens*: Gorakhpur, *K.K. Singh & team* 6106 (LWG); Saharanpur, *Y.S. Murty & A.K. Goel* 524 (BSD).

Solanum americanum Mill. (Vern.: *Mako*)

In wastelands, cultivated fields and along river banks. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 37655 (BSA), *G. Panigrahi* 2839 (BSA); Bijnor, *C.L. Malhotra* 19580 (BSD); Gonda, *K.K. Khanna* 39995 (BSA); Gorakhpur, *G. Panigrahi & Ram Saran* 10597 (BSA); Kheri, *C.L. Malhotra* 13359 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 56 (BSD); Sant Kabir Nagar, *K.K. Khanna* 65556 (BSA); Sitapur, *G. Saran & party* 26630 (LWG).

Solanum anguivi Lam.

In wastelands. *Fl. & Fr.*: September – April. *Selected specimen*: Kheri, *K.K. Singh & party* 4222 (CDRI).

Solanum asperolanatum Ruiz & Pav.

In ravines. *Fl. & Fr.*: January – April. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 1559 (BSD).

Solanum erianthum D. Don (Vern.: *Jhula*)

Along river banks and on the outskirts of forests. *Fl. & Fr.*: February – September. *Selected specimens*: Bahraich, *O.P. Misra* 7919 (BSA); Gonda, *K.K. Khanna*

& *Ram Saran* 37150 (BSA); Gorakhpur, *G. Panigrahi & Ram Saran* 10697 (BSA); Kheri, *U. Shukla* 70263 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 1006 (BSD).

Solanum incanum L. (Vern.: *Banbhata*)

Along roadsides, railway tracks, bunds of cultivated fields and in mixed forests. *Fl. & Fr.*: December – April. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 37652 (BSA); Balrampur, *K.K. Khanna* 65349 (BSA); Bijnor, *Y.K. Sarin* 5079 (BSD); Kheri, *U. Shukla* 69935 (BSD); Saharanpur, *J.V.S. Rao* 39878 (BSD).

Solanum lasiocarpum Dunal

In wastelands. *Fl. & Fr.*: October – December. *Selected specimen*: Bahraich, *S.D. Maliya* 226696 (LWG).

Solanum melongena L. (Vern.: *Baigan*)

Cultivated throughout the region. *Fl. & Fr.*: Throughout the year. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 435 (BSD).

Solanum torvum Sw.

In wastelands. *Fl. & Fr.*: October – February. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 382 (BSD).

Solanum triquetrum Cav.

In shady places. *Fl. & Fr.*: September – March. Saharanpur (Raizada, Suppl. Duthie's *Fl. Gangetic Plain* 177. 1976).

Solanum tuberosum L. (Vern.: *Aaloo*)

Cultivated throughout the region. *Fl. & Fr.*: December – March.

Solanum verbascifolium L.

In open places and along river banks. *Fl. & Fr.*: February – September. *Selected specimens*: Bahraich, *G. Panigrahi* 2909 (BSA); Bijnor, *V. Chandra & party* 43983 (LWG); Deoria, *Ajay Singh & party* 63723 (LWG); Gonda, *V. Chandra & party* 12495 (LWG); Kheri, *K.K. Singh & party* 4122 (CDRI); Saharanpur, *V. Chandra & party* 42863 (LWG).

Solanum viarum Dunal

In wastelands and grasslands. *Fl. & Fr.*: April – November. *Selected specimens*: Bahraich, *K.K. Singh & party* 5942 (LWG); Gorakhpur, *G. Panigrahi & Ram Saran* 10664 (DD); Kheri, *U. Shukla* 70281 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 928 (BSD).

Solanum violaceum Ortega (Vern.: *Bhat-katia*)

In wastelands and along lake banks. *Fl. & Fr.*: October – April. *Selected specimens*: Bahraich, *K.K. Khanna AICRPE* 79 (BSA); Gorakhpur, *J.G. Srivastava & party* 48323 (LWG); Kheri, *U. Shukla* 70264 (BSD); Maharajanj, *S.L. Kapoor* 48 (LWG).

Solanum virginianum L. (Vern.: *Bhatkataiya*)

In wastelands, along railway tracks and lake banks. *Fl. & Fr.*: Most parts of the year. *Selected specimens*: Bahraich, *G. Panigrahi* 2837 (BSA); Balrampur, *K.K. Khanna* 54902, 65348 (BSA); Bijnor, *J.P. Sharma* 67120 (BSD); Gonda, *M.A. Rau* 12079 (BSD); Kheri, *C.L. Malhotra* 13388 (BSD); Moradabad, *H.L. Prasad* 79929 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 93 (BSD); Sant Kabir Nagar, *K.K. Khanna* 67972 (BSA).

Withania somnifera (L.) Dunal (Vern.: *Ashwagandh*)

In wastelands and along roadsides. *Fl. & Fr.*: December – May. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 38628 (BSA); Bijnor, *Attiar* 82 (BSD); Kheri, *G. Saran & party* 26201 (LWG); Moradabad, *H.L. Prasad* 79954 (BSD); Saharanpur, *O.P. Misra* 37950 (BSD); Sitapur, *G. Saran & party* 26613 (LWG).

Scrophulariaceae

Bacopa hamiltoniana (Benth.) Wettst.

In marshy places. *Fl. & Fr.*: September – December. *Selected specimens*: Gorakhpur, C.M. Arora 1408 (BSD); Kheri, K.K. Singh & party 8502 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 994 (BSD).

Bacopa monnieri (L.) Wettst. (Vern.: Chooti-brahmi)

In wet and marshy places. *Fl. & Fr.*: September – April. *Selected specimens*: Bahraich, G. Panigrahi 2850 (BSA); Gonda, K.K. Khanna & Ram Saran 37240 (BSA); Kheri, K.K. Singh & party 3071 (CDRI); Maharajanj, S.L. Kapoor 33 (LWG); Saharanpur, C.L. Malhotra 22849 (BSD); Sant Kabir Nagar, K.K. Khanna 67931 (BSA); Shahjahanpur, G. Saran & party 19986 (LWG); Sitapur, G. Saran & party 26764 (LWG).

Buchnera hispida Buch.-Ham. ex D. Don

On grassy slopes. *Fl. & Fr.*: August – December. *Selected specimen*: Saharanpur, J.V.S. Rao 39979 (BSD).

Centranthera nepalensis D. Don

In wastelands. *Fl. & Fr.*: August – November. *Selected specimen*: Shahjahanpur, Duthie 4258 (DD).

Dopatrium junceum (Roxb.) Buch.-Ham. ex Benth.

In marshy places. *Fl. & Fr.*: September – November. *Selected specimens*: Saharanpur, Y.S. Murty & A.K. Goel 716 (BSD); Sitapur, S.L. Kapoor & party 64910 (LWG).

Glossostigma diandrum (L.) Kuntze

In wet places. *Fl. & Fr.*: March – September. *Selected specimens*: Bahraich, C.L. Malhotra 26682 (BSD); Kheri, C.L. Malhotra 13408 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1457 (BSD).

Limnophila aromatica (Lam.) Merr.

In wet places. *Fl. & Fr.*: October – February. *Selected specimen*: Bahraich, Acc. No. 7056 (LWG).

Limnophila chinensis (Osbeck) Merr.

In stagnant water along the edges of lakes. *Fl. & Fr.*: October – February. *Selected specimen*: Sant Kabir Nagar, K.K. Khanna 68582 (BSA).

Limnophila indica (L.) Druce

In paddy fields, near ponds and lakes. *Fl. & Fr.*: Most parts of the year. *Selected specimens*: Bijnor, Attiar 331 (BSD); Kheri, C.L. Malhotra 13413 (BSD); Pilibhit, D.D. Awasthi 339 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 1036 (BSD); Sant Kabir Nagar, K.K. Khanna 68508 (BSA); Sitapur, S.L. Kapoor & party 64911 (LWG).

Limnophila polyantha Kurz ex Hook. f.

Along the edges of lakes. *Fl. & Fr.*: January – March. *Selected specimen*: Bahraich, M.A. Rau 8135 (BSD).

Limnophila rugosa (Roth) Merr.

In marshy places. *Fl. & Fr.*: September – November. *Selected specimens*: Pilibhit, C.L. Malhotra 50671 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1852 (BSD).

Limnophila sessiliflora (Vahl) Blume

In marshy places. *Fl. & Fr.*: August – October. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 793 (BSD).

Lindenbergia indica (L.) Vatke

On old walls. *Fl. & Fr.*: July – December. *Selected specimens*: Bijnor, J.P. Sharma 67168 (BSD); Kheri, K.K. Singh & party 7714 (CDRI); Moradabad, C.L. Malhotra 20328 (BSD); Pilibhit, C.L. Malhotra 42345 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 727 (BSD).

Lindenbergia macrostachya (Benth.) Benth.

On old walls. *Fl. & Fr.*: March – June. *Selected specimens*: Kheri, K.K. Singh & party 7118 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 538 (BSD).

Lindenbergia philippensis (Cham. & Schltdl.) Benth.

On old walls. *Fl. & Fr.*: March – June. *Selected specimens*: Kheri, Inayat 22414 (DD); Pilibhit, Inayat 22413 a (DD).

Lindernia anagallis (Burm.f.) Pennell

In moist places. *Fl. & Fr.*: July – November. *Selected specimens*: Bahraich, S.D. Maliya 224576 (LWG); Balrampur, K.K. Khanna 59937 (BSA); Bijnor, Y.K. Sarin 5253 (BSD); Gonda, S.K. Malhotra 12123 (BSD); Gorakhpur, M.A. Rau 12302 (BSD); Kheri, U. Shukla 69973 (BSD); Pilibhit, C.L. Malhotra 42746 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 102 (BSD).

Lindernia antipoda (L.) Alston

In moist places. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6326 (BSA); Gorakhpur, C.M. Arora 1420 (BSA).

Lindernia ciliata (Colson) Pennell

In shady moist places. *Fl. & Fr.*: August – February. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6323 (BSA); Balrampur, K.K. Khanna 59901 (BSA); Bijnor, J.P. Sharma 70345 (BSD); Kheri, C.L. Malhotra 13340 (BSD); Pilibhit, C.L. Malhotra 50435 (BSD); Saharanpur, J.V.S. Rao 39838 (BSD).

Lindernia crustacea (L.) F.v. Muell.

In moist places. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37696 (BSA); Balrampur, K.K. Khanna 54997, 59980 (BSA); Bijnor, J.P. Sharma 67289 (BSD); Gonda, Rampher 16920 (LWG); Kheri, K.K. Singh 7463 (CDRI); Moradabad, S.K. Malhotra 13155 (BSD); Pilibhit, C.L. Malhotra 42510 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1004 (BSD); Sant Kabir Nagar, K.K. Khanna 65506 (BSA); Sitapur, G. Saran & S.L. Kapoor 6898 (LWG).

Lindernia hyssopoides (L.) Haines

In paddy fields. *Fl. & Fr.*: September – December. *Selected specimen*: Bahraich, G. Panigrahi & O.P. Misra 6383 (BSA).

Lindernia multiflora (Roxb.) Mukerjee

In moist places. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6424 (BSA); Bijnor, Attiar 451 (BSD); Kheri, C.L. Malhotra 23502 (BSD).

Lindernia nummulariifolia (D. Don) Wettst.

In moist shady places. *Fl. & Fr.*: July – November. *Selected specimens*: Bahraich, S.D. Maliya 223743 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 793 (BSD).

Lindernia parviflora (Roxb.) Haines

Along the banks of ponds and lakes. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37612 (BSA), C.L. Malhotra 26692 (BSD); Bijnor, J.P. Sharma 70320 (BSD); Kheri, K.K. Singh 7490 (CDRI); Moradabad, C.L. Malhotra 20299 (BSD); Pilibhit, C.L. Malhotra 42967 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 263 (BSD).

Lindernia procumbens (Krock.) Philcox

In moist and swampy places. *Fl. & Fr.*: September – March. *Selected specimen*: Kheri, C.L. Malhotra 13414 (BSD).

Lindernia viscosa (Hornem.) Boldingh

On moist rocky slopes. *Fl. & Fr.*: August – February. *Selected specimens*: Bahraich, S.D. Maliya 223677 (LWG); Saharanpur, A.E. Osmaston 1396 (DD).

Mazus pumilus (Burm.f.) Steenis
var. **delavayi** (Bonati) T.L. Chin ex D.Y. Hong
In moist places. *Fl. & Fr.*: October – January. *Selected specimen*: Kheri, K.K. Singh 7637 (CDRI).

var. **pumilus**

In moist places. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38596 (BSA); Balrampur, K.K. Khanna 59992 (BSA); Bijnor, C.L. Malhotra 19593 (BSD); Gonda, K.K. Khanna & Ram Saran 39150 (BSA); Kheri, U. Shukla 69853 (BSD); Moradabad, C.L. Malhotra 20296 (BSD); Saharanpur, J.V.S. Rao 39983 (BSD); Sant Kabir Nagar, K.K. Khanna 65593 (BSA); Shravasti, K.K. Khanna 66670 (BSA).

Mecardonia procumbens (Mill.) Small

As forest undergrowth. *Fl. & Fr.*: September – February. *Selected specimens*: Bahraich, K.K. Khanna 39919 (BSA); Balrampur, K.K. Khanna 54992 (BSA); Gonda, K.K. Khanna 46011 (BSA); Kheri, U. Shukla 70059 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1106 (BSD); Shravasti, K.K. Khanna 54942, 66677 (BSA).

Mimulus strictus Benth.

Along water courses. *Fl. & Fr.*: August – December. *Selected specimen*: Kheri, Inayat 22420 (DD).

Misopates orontium (L.) Raf.

In gardens and cultivated fields. *Fl. & Fr.*: October – March. *Selected specimens*: Bahraich, C.L. Malhotra 26610 (BSD); Bijnor, C.L. Malhotra 20249 (BSD).

Scoparia dulcis L. (Vern.: Bicchu, Meethi-patti)

In wastelands, cultivated fields and on the outskirts of forests. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37117 (BSA); Bijnor, C.L. Malhotra 20266 (BSD); Gonda, M.A. Rau 12081 (BSD); Gorakhpur, C.L. Malhotra 12187 (BSD); Kheri, C.L. Malhotra 23510 (BSD); Moradabad, H.L. Prasad 80016 (BSD); Pilibhit, C.L. Malhotra 50620 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 37 (BSD); Sant Kabir Nagar, K.K. Khanna 67932 (BSA); Shravasti, K.K. Khanna 66663 (BSA).

Striga angustifolia (D. Don) C.J. Saldanha

In gardens and cultivated fields. *Fl. & Fr.*: August – March. *Selected specimens*: Bijnor, J.P. Sharma 70346 (BSD); Deoria, A. Singh & party 63687 (LWG); Kheri, K.K. Singh 7479 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 873 (BSD).

Striga asiatica (L.) Kuntze

As forest undergrowth. *Fl. & Fr.*: September – December. *Selected specimen*: Kheri, Inayat 22419 (DD).

Striga densiflora (Benth.) Benth.

In moist places. *Fl. & Fr.*: September – December. Saharanpur (Duthie, Fl. Gangetic Plain 2: 156. 1911).

Striga sulphurea Dalzell & A. Gibson

In grasslands near swamps. *Fl. & Fr.*: September – November. *Selected specimen*: Pilibhit, C.L. Malhotra 50773 (BSD).

Sutera dissecta (Delile) Walp.

In moist places. *Fl. & Fr.*: December – March. *Selected specimen*: Gonda, G. Saran & party 61411 (LWG).

Torenia fournieri Linden ex Fourn.

Cultivated in gardens, also found as an escape. *Fl. & Fr.*: September – November. *Selected specimen*: Kheri, K.K. Singh 7756 (CDRI).

Torenia indica C.J. Saldanha

On moist shady walls. *Fl. & Fr.*: September – December. *Selected specimens*: Kheri, K.K. Singh 7479 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel s.n. (BSD).

Verbascum chinense (L.) Santapau

In wastelands, cultivated fields and along edges of ponds and lakes. *Fl. & Fr.*: October – March. *Selected specimens*: Bahraich, C.L. Malhotra 26665 (BSD); Bijnor, Y.K. Sarin 5106 (BSD); Gonda, G. Saran & party 61421 (LWG); Kheri, C.L. Malhotra 31439 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 120 (BSD); Sant Kabir Nagar, K.K. Khanna 68500, 68572 (BSA); Sitapur, G. Saran & party 26825 (LWG); Shravasti, K.K. Khanna 66689 (BSA).

Verbascum thapsus L. (Vern.: Phulla)

In wastelands. *Fl. & Fr.*: April – September. *Selected specimens*: Kheri, Inayat 22415 (DD); Saharanpur, Y.S. Murty & A.K. Goel 234 (BSD).

Veronica agrestis L.

In moist places. *Fl. & Fr.*: December – February. *Selected specimen*: Muzaffarnagar, R.C. Bharadwaja s.n. (LWG).

Veronica anagallis-aquatica L.

Along edges of ponds, drains and lakes. *Fl. & Fr.*: December – April. *Selected specimens*: Bahraich, G. Panigrahi 2745 (BSA); Balrampur, K.K. Khanna 68686 (BSA); Gonda, G.S. Srivastava & party 61404 (LWG); Gorakhpur, G. Panigrahi & Ram Saran 10528 (BSA); Kheri, C.L. Malhotra (BSD); Maharajanj, S.L. Kapoor 35 (LWG); Pilibhit, C.L. Malhotra 40278 (BSD); Sant Kabir Nagar, K.K. Khanna 67906 (BSA); Sitapur, G. Saran & party 26849 (LWG).

Veronica polita Fr.

Along edges of ponds. *Fl. & Fr.*: December – March. *Selected specimen*: Bahraich, S.D. Maliya 224682 (LWG).

Orobanchaceae

Aeginetia indica L.

In moist shady places of mixed forests. *Fl. & Fr.*: August – November. *Selected specimens*: Balrampur, K.K. Khanna 68628 (BSA); Saharanpur, R.C. Bhardwaja s.n. (DD).

Orobanche aegyptiaca Pers.

In cultivated fields and wastelands. *Fl. & Fr.*: January – March. *Selected specimens*: Bahraich, C.L. Malhotra 23659 (BSD); Bijnor, C.L. Malhotra 20208 (BSD); Gonda, P. Singh 16818 (LWG); Gorakhpur, J.K. Maheshwari 81554 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 2077 (BSD); Shahjahanpur, R.S. Hole s.n. (DD).

Lentibulariaceae

Utricularia aurea Lour.

In shallow water and swampy paddy fields. *Fl. & Fr.*: September – January. *Selected specimens*: Bijnor, C.L. Malhotra 19578 (BSD); Gonda, K.K. Khanna & Ram Saran 39115 (BSA); Kheri, B.P. Uniyal & S. Singh 88971 (BSD); Pilibhit, C.L. Malhotra 42397 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 753 (BSD); Sant Kabir Nagar, K.K. Khanna 65502, 68583, 68595 (BSA).

Utricularia australis R.Br.

In shallow waters. *Fl. & Fr.*: September – December. *Selected specimen*: Kheri, G. Saran & party 26450 (LWG).

Utricularia gibba subsp. **exoleta** (R.Br.) P. Taylor

In shallow stagnant water and water logged fields. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich,

G. Panigrahi 2823 (BSA); Gonda, *K.K. Khanna & Ram Saran* 37257 (BSA); Sant Kabir Nagar, *K.K. Khanna* 68596 (BSA).

***Utricularia stellaris* L.f.**

In shallow ponds, ditches and stagnant water places. *Fl. & Fr.*: December – March. *Selected specimens*: Bahraich, *S.K. Jain* 16478 (LWG); Kheri, *C.L. Malhotra* 13356 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 1022 (BSD); Sant Kabir Nagar, *K.K. Khanna* 65502 (BSA).

Gesneriaceae

***Didymocarpus pedicellatus* R.Br.**

In rock crevices. *Fl. & Fr.*: August – October. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 1837 (BSD).

Bignoniaceae

***Bignonia alliacea* Lam.**

Cultivated in gardens. *Fl. & Fr.*: November – March. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 1293 (BSD).

***Campsis radicans* Seem.**

Cultivated in gardens. *Fl. & Fr.*: September – January. *Selected specimen*: Pilibhit, *C.L. Malhotra* 40283 (BSD).

***Dolichandra unguis-cati* (L.) L.G.Lohmann**

Planted. *Fl. & Fr.*: September – December. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 2131 (BSD).

***Fernandoa adenophylla* (Wall. ex G.Don) Steenis**

Planted along roadsides. *Fl. & Fr.*: September – April. *Selected specimens*: Bijnor, *J.P. Sharma* 67242 (BSD); Pilibhit, *C.L. Malhotra* 42742 (BSD).

***Jacaranda mimosaeolia* D.Don**

Planted along roadsides. *Fl. & Fr.*: March – June. *Selected specimens*: Gonda, *K.K. Khanna* 39960 (BSA); Saharanpur, *Y.S. Murty & A.K. Goel* 77 (BSD).

***Kigelia africana* (Lam.) Benth.**

Planted. *Fl. & Fr.*: March – December. *Selected specimens*: Bijnor, *J.P. Sharma* 70329 (BSD); Gonda, *K.K. Khanna* 46061 (BSA); Saharanpur, *Y.S. Murty & A.K. Goel* 1714 (BSD).

***Millingtonia hortensis* L.f.**

Planted along roadsides and in gardens. *Fl. & Fr.*: December – May. *Selected specimens*: Bahraich, *G. Panigrahi & O.P. Misra* 6614A (BSA); Bijnor, *J.P. Sharma* 70308 (BSD).

***Oroxylum indicum* (L.) Kurz (Vern.: Arlu)**

In mixed forests. *Fl. & Fr.*: April – February. *Selected specimens*: Bahraich, *K.K. Khanna* AICRPE 90 (BSA); Balrampur, *K.K. Khanna* 68630 (BSA); Kheri, *K.K. Singh & party* 8544 (CDRI); Pilibhit, *C.L. Malhotra* 50500 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 1339 (BSD).

***Radermachera gigantea* (Blume) Miq.**

Planted. *Fl. & Fr.*: April – February. *Selected specimen*: Saharanpur, Acc. No. 6178 (DD).

***Spathodea campanulata* P. Beauv.**

Planted. *Fl. & Fr.*: August – December. *Selected specimen*: Kheri, *K.K. Singh* 8375 (LWG).

***Stereospermum chelonoides* (L.f.) DC. (Vern.: Ganj, Padal)**

Along forest roads. *Fl. & Fr.*: April – January. *Selected specimens*: Bahraich, *G. Panigrahi & O.P. Misra* 6528 (BSA); Bijnor, *V. Chandra & party* 44053 (LWG); Gonda, *Inayat* 23765(a) (DD); Gorakhpur, *Harsukh* 22215/a (DD); Kheri, *C.L. Malhotra* 31482 (BSD); Pilibhit, *C.L. Malhotra* 50540 (BSD).

***Tecoma stans* (L.) Juss. ex Kunth**

Cultivated in gardens. *Fl. & Fr.*: Often throughout the year. *Fl. & Fr.*: September – January. *Selected specimens*: Bahraich, *C.L. Malhotra* 26700 (BSD); Balrampur, *K.K. Khanna* 68637 (BSA); Bijnor, *Y.K. Sarin* 5132 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 410 (BSD).

***Tecomella undulata* (Sm.) Seem.**

Cultivated in gardens. *Fl. & Fr.*: March – June. *Selected specimen*: Saharanpur, Acc. No. 6745 (DD).

Pedaliaceae

***Pedaliium murex* L. (Vern.: Vilayati-gokhru)**

In moist places along river banks. *Fl. & Fr.*: August – October. *Selected specimens*: Bijnor, *J.P. Sharma* 67221 (BSD); Kheri, *C.L. Malhotra* 23611 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 641 (BSD); Sitapur, *G. Saran & S.L. Kapoor* 6897 (LWG).

***Sesamum indicum* L. (Vern.: Til, Tilli)**

Cultivated, also found as an escape in wastelands and on the outskirts of forests. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, *S.D. Maliya* 223644 (LWG); Balrampur, *K.K. Khanna* 68629 (BSA); Kheri, *C.L. Malhotra* 23566 (BSD); Saharanpur, *Y.S. Murty & A.K. Goel* 176 (BSD); Sant Kabir Nagar, *K.K. Khanna* 65550 (BSA).

Martyniaceae

***Martynia annua* L. (Vern.: Bicchu, Kauwa)**

In wastelands and near habitations. *Fl. & Fr.*: September – January. *Selected specimens*: Bahraich, *G. Panigrahi & O.P. Misra* 6579 (BSA); Balrampur, *K.K. Khanna* 65326 (BSA); Bijnor, *J.P. Sharma* 67266 (BSD); Gonda, *Hira Lal* 136809 (LWG); Gorakhpur, *C.M. Arora* 1451 (BSA); Saharanpur, *Y.S. Murty & A.K. Goel* 292 (BSD); Sant Kabir Nagar, *K.K. Khanna* 67933 (BSA).

Acanthaceae

***Andrographis echioides* (L.) Nees**

In wastelands. *Fl. & Fr.*: September – March. *Selected specimen*: Saharanpur, *J.V.S. Rao* 39887 (BSD).

***Andrographis paniculata* (Burm.f.) Wall. ex Nees (Vern.: Kalapnath)**

In wastelands and mixed forests. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, *S.D. Maliya* 225945 (LWG); Gonda, *K.K. Khanna* 46055 (BSA); Kheri, *C.L. Malhotra* 13472 (BSD).

***Asystasia macrocarpa* Nees**

In moist shady places. *Fl. & Fr.*: September – March. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 1220 (BSD).

***Barleria cristata* L.**

Along roadsides and in mixed forests. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 38577 (BSA); Balrampur, *K.K. Khanna* 54969, 54972 (BSA); Bijnor, *V. Chandra & party* 43667 (LWG); Gonda, *Harsukh* 21725 (DD); Gorakhpur, *C.M. Arora* 1453 (BSA); Kheri, *B.K. Shukla* 61520 (BSA); Saharanpur, *J.V.S. Rao* 39813 (BSD).

***Barleria prionitis* L. (Vern.: Kastaruga)**

In mixed forests. *Fl. & Fr.*: September – March. *Selected specimen*: Saharanpur, *Y.S. Murty & A.K. Goel* 498 (BSD).

***Barleria strigosa* Willd.**

In mixed forests. *Fl. & Fr.*: September – May. *Selected specimen*: Gonda, *P.C. Kanjilal* Acc. No. 93993 (DD).

***Dicliptera bupleuroides* Nees**

As forest undergrowth. *Fl. & Fr.*: January – April. *Selected specimen*: Bahraich, S.D. Maliya 224568 (LWG).

Dicliptera chinensis (L.) Juss.

In mixed forests and wastelands. *Fl. & Fr.*: January – June. *Selected specimens*: Bahraich, S.D. Maliya 226606 (LWG); Bijnor, Y.K. Sarin 5082 (BSD); Gonda, Harsukh 21736 (a) (DD); Saharanpur, Y.S. Murty & A.K. Goel 1234 (BSD).

Dicliptera paniculata (Forssk.) I. Darbysh.

In wastelands. *Fl. & Fr.*: September – April. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38658 (BSA); Bijnor, V. Chandra & party 43531 (LWG); Gonda, K.K. Khanna & Ram Saran 37303, 38751 (BSA); Kheri, U. Shukla 69926 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 510 (BSD); Sant Kabir Nagar, K.K. Khanna 67849 (BSA); Sitapur, B.K. Shukla 61208 (BSA).

Dicliptera verticillata (Forssk.) C. Chr.

In wastelands, mixed forests and along roadsides. *Fl. & Fr.*: September – April. *Selected specimens*: Bahraich, P. Singh 16499 (LWG); Saharanpur, B.K. Shukla 57101 (BSA); Sitapur, G. Saran & party 26758 (LWG).

Dipteracanthus prostratus (Poir.) Nees

In moist places. *Fl. & Fr.*: April – June. *Selected specimens*: Bahraich, O.P. Misra 8028 (BSA); Gonda, K.K. Khanna & Ram Saran 37227 (BSA); Kheri, C.L. Malhotra 23598 (BSD); Moradabad, H.B. Naithani 6914 (DD); Sant Kabir Nagar, K.K. Khanna 67934 (BSA).

Dyschoriste nagchana (Nees) Bennet

In mixed forests. *Fl. & Fr.*: March – May. Kheri (Duthie, Fl. Gangetic Plain 2: 192. 1911).

Ecbolium viride (Forssk.) Alston

In mixed forests. *Fl. & Fr.*: March – May. Gorakhpur (Duthie, Fl. Gangetic Plain 2: 206. 1911).

Elytraria acaulis (L.f.) Lindau

In shady places of mixed and sal forests. *Fl. & Fr.*: April – October. *Selected specimens*: Bahraich, V. Chandra & party 11823 (LWG); Balrampur, K.K. Khanna 68631 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 879 (BSD); Sitapur, B.K. Shukla 61269 (BSA).

Eranthemum pulchellum Andrews

In mixed and sal forests. *Fl. & Fr.*: February – April. *Selected specimens*: Bahraich, G. Panigrahi 2769 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10689 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 388 (BSD); Shrivasti, K.K. Khanna 66667 (BSA).

Eranthemum purpurascens Wight ex Nees

In mixed forests. *Fl. & Fr.*: October – March. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6646 A (BSA); Balrampur, K.K. Khanna 59938 (BSA); Gonda, Rampher 16850 (LWG); Kheri, B.P. Uniyal & S. Singh 88922 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 879 (BSD).

Hemigraphis hirta (Vahl) T. Anderson

In wastelands and along lake banks. *Fl. & Fr.*: March – July. *Selected specimens*: Bahraich, G. Panigrahi 2875 (BSA); Gonda, K.K. Khanna & Ram Saran 37144, 37305 (BSA); Kheri, C.L. Malhotra 31424 (BSD); Sitapur, G. Saran & party 26897 (LWG).

Hemigraphis latebrosa (Heyne ex Roth) Nees

In shady places. *Fl. & Fr.*: September – March. *Selected specimens*: Bijnor, Y.K. Sarin 5231 (BSD); Gorakhpur, G. Panigrahi & Ram Saran 10695 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 1361 (BSD).

Hemigraphis rupestris Heyne ex T. Anderson

In wet places. *Fl. & Fr.*: December – March. *Selected specimens*: Bahraich, S.D. Maliya 224999 (LWG); Sant Kabir Nagar, Anand Prakash 220081 (LWG).

Hygrophila auriculata (Schumach.) Heine (Vern.: Talmakhana)

In moist and marshy places. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6653A (BSA); Balrampur, K.K. Khanna 68791 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10611 (BSA); Kheri, G. Saran & party 26726 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 685 (BSD); Sant Kabir Nagar, K.K. Khanna 65599 (BSA).

Hygrophila difformis (L.f.) Blume

In moist places. *Fl. & Fr.*: November – March. *Selected specimen*: Gorakhpur, G. Panigrahi & Ram Saran 10519 (BSA).

Hygrophila pinnatifida (Dalzell) Sreem.

In swampy places. *Fl. & Fr.*: October – February. Bahraich (Saini in J. Econ. Taxon. Bot. 29: 850. 2005); Gorakhpur (Raizada, Suppl. Duthie's Fl. Gangetic Plain 206. 1976).

Hygrophila polysperma (Roxb.) T. Anderson

In moist and marshy places. *Fl. & Fr.*: October – April. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38702 (BSA); Bijnor, C.L. Malhotra 20256 (BSD); Gonda, K.K. Khanna & Ram Saran 37330 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10581 (BSA); Kheri, B.P. Uniyal & S. Singh 88967 (BSD); Saharanpur, N.C. Nair 18605 (BSD); Sant Kabir Nagar, K.K. Khanna 68544 (BSA); Shrivasti, K.K. Khanna 66673 (BSA).

Hygrophila ringens (L.) R.Br. ex Spreng.

In moist places along ponds and lakes. *Fl. & Fr.*: September – December. *Selected specimens*: Kheri, K.K. Singh 7580 (CDRI); Pilibhit, C.L. Malhotra s.n. (LWG); Sant Kabir Nagar, K.K. Khanna 67935 (BSA).

Justicia adhatoda L. (Vern.: Arusa)

Along roadsides and in wastelands, mixed and scrub forests. *Fl. & Fr.*: December – March. *Selected specimens*: Bahraich, O.P. Misra 7924 (BSA); Bijnor, J.P. Sharma 67231 (BSD); Gonda, K.K. Khanna 39932, 65223, 68622 (BSA); Gorakhpur, K.K. Khanna 66523 (BSA); Kheri, G. Saran & party 26670 (LWG); Maharajganj, K.K. Khanna 68009 (BSA); Saharanpur, B.K. Shukla 57095 (BSA); Sant Kabir Nagar, K.K. Khanna 65572 (BSA); Sitapur, B.K. Shukla 61270 (BSA).

Justicia diffusa Willd.

In wastelands and mixed forests. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, S.K. Jain 16698 (LWG); Bijnor, V. Chandra & party 43600 (LWG); Gonda, K.K. Khanna & Ram Saran 39174 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 335 (BSD); Sant Kabir Nagar, K.K. Khanna 67973 (BSA).

Justicia gendarussa Burm.f.

Planted as hedge in gardens, also found as an escape. *Fl. & Fr.*: December – February. *Selected specimens*: Bahraich, S.D. Maliya 225933 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 298 (BSD).

Justicia micrantha (Oerst.) V.A.W. Graham

Along roadsides. *Fl. & Fr.*: February – March. *Selected specimen*: Bahraich, K.K. Khanna & Ram Saran 38694 (BSA).

Justicia procumbens L.

In rocky places. *Fl. & Fr.*: September – November. *Selected specimen*: Bahraich, S.D. Maliya 227125 (LWG).

Justicia prostrata (C.B. Clarke) Gamble

In wastelands and along forest roads. *Fl. & Fr.*: August – March. *Selected specimens*: Bahraich, O.P. Misra 7768 (BSA); Balrampur, K.K. Khanna 54985, 68705 (BSA); Gonda, K.K. Khanna & Ram Saran 37270 (BSA); Sant Kabir Nagar, K.K. Khanna 67974 (BSA).

Justicia quinqueangularis K.D. Koenig ex Roxb.

In moist shady places. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6539 (BSA), M.A. Rau 8210 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10557 (BSA); Sant Kabir Nagar, K.K. Khanna 65597 (BSA).

Justicia simplex D. Don

In wastelands and on the outskirts of forests. *Fl. & Fr.*: August – March. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1348 (BSD).

Lepidagathis cristata Willd.

In mixed forests. *Fl. & Fr.*: September – March. *Selected specimen*: Bijnor, V. Chandra & party 43473 (LWG).

Lepidagathis cuspidata Nees

In wastelands. *Fl. & Fr.*: December – March. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1498 (BSD).

Lepidagathis hamiltoniana Wall. ex Nees

In mixed forests. *Fl. & Fr.*: November – March. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1349 (BSD).

Lepidagathis incurva Buch.-Ham. ex D. Don

In scrub and mixed forests. *Fl. & Fr.*: November – April. *Selected specimens*: Bahraich, G. Panigrahi 2981 (BSA); Balrampur, K.K. Khanna 39942 (BSA); Gonda, Harsukh 21729 (DD); Gorakhpur, Harsukh 21728 (DD); Kheri, C.L. Malhotra 31481 (BSD); Pilibhit, Inayat 21727 (DD); Saharanpur, Y.S. Murty & A.K. Goel 1440 (BSD), J.V.S. Rao 38931 (BSD).

Lepidagathis purpuricaulis Nees

In wastelands. *Fl. & Fr.*: January – April. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1440 (BSD).

Nelsonia canescens (Lam.) Spreng. (Vern.: Prithipal)

In mixed forests and on the outskirts of forests. *Fl. & Fr.*: April – July. *Selected specimens*: Bahraich, G. Panigrahi 2894, 2976 (BSA); Bijnor, Y.K. Sarin 5091 (BSD); Gonda, Inayat 20985 (DD); Gorakhpur, J.G. Srivastava 22398 (LWG); Kheri, C.L. Malhotra 31480 (BSD); Pilibhit, Kaul & party 19740 (LWG); Shravasti, K.K. Khanna 66676 (BSA).

Phlogacanthus thyrsoformis (Roxb. ex Hardw.) Mabb.

In mixed forests. *Fl. & Fr.*: January – April. *Selected specimens*: Gonda, K.K. Singh & party 6169 (LWG); Gorakhpur, G. Panigrahi & Ram Saran 10687 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 1624 (BSD).

Ruellia prostrata Poir.

In moist places. *Fl. & Fr.*: April – June. *Selected specimens*: Bahraich, O.P. Misra 8028 (BSA); Gonda, K.K. Khanna & Ram Saran 37227 (BSA); Kheri, C.L. Malhotra 23598 (BSD).

Ruellia suffruticosa Roxb.

In mixed forests. *Fl. & Fr.*: August – May. *Selected specimens*: Bahraich, Harsukh 21714 (DD); Gonda, Inayat 23766 (DD); Gorakhpur, Harsukh 21713 (DD); Kheri, K.K. Singh 7388 (LWG); Pilibhit, Inayat 25969 (DD).

Ruellia tuberosa L.

In wastelands. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6565 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 272 (BSD).

Rungia pectinata (L.) Nees

In wastelands and mixed forests. *Fl. & Fr.*: December – April. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38567 (BSA); Balrampur, K.K. Khanna 68706 (BSA); Gonda, K.K. Khanna 39160 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10548 (BSA); Kheri, B.K. Shukla 61405 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 1293 (BSD); Sant Kabir Nagar, Anand Prakash 220066 (LWG).

Rungia repens (L.) Nees

In mixed forests and along roadsides. *Fl. & Fr.*: December – March. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38717 (BSA); Deoria, A. Singh & party 63705 (LWG); Gorakhpur, G. Panigrahi & Ram Saran 10578 (BSA); Saharanpur, Keshwanand 15 (DD); Sant Kabir Nagar, K.K. Khanna 67848 (BSA).

Staurogyne glauca (Nees) Kuntze

In moist places. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6456 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10520 (BSA).

Staurogyne glutinosa (Wall. ex C.B. Clarke) Kuntze

In moist places of mixed and sal forests. *Fl. & Fr.*: December – February. *Selected specimens*: Bahraich, G. Panigrahi 2942, 6641A (BSA), O.P. Misra 8000 (BSA); Bijnor, Attiar 220 (BSD); Kheri, Inayat 21733 (DD); Saharanpur, Y.S. Murty & A.K. Goel 836 (BSD).

Staurogyne polybotrya (Nees) Kuntze

In rocky places. *Fl. & Fr.*: December – March. *Selected specimen*: Gorakhpur, S.K. Seth Acc. No. 113553 (DD).

Strobilanthes angustifrons C.B. Clarke

In moist shady places. *Fl. & Fr.*: November – June. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 358 (BSD).

Strobilanthes auriculata Nees

In mixed forests. *Fl. & Fr.*: December – March. *Selected specimen*: Saharanpur, V. Chandra & party 42864 (LWG).

Strobilanthes tomentosa (Nees) J.R.I. Wood

In rocky places. *Fl. & Fr.*: December – March. *Selected specimens*: Bahraich, S. Ram 2586 (DD); Bijnor, V. Chandra & party 43512 (LWG); Gonda, S. Ram 2178 (DD); Saharanpur, J.V.S. Rao 39917 (BSD).

Thunbergia alata Bojer ex Sims

Cultivated in gardens, also found as an escape. *Fl. & Fr.*: September – January. *Selected specimen*: Kheri, Inayat 22418 (DD).

Thunbergia erecta (Benth.) T. Anderson

Cultivated in gardens, also found as an escape. *Fl. & Fr.*: September – February. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 909 (BSD).

Thunbergia grandiflora (Roxb. ex Rottler) Roxb.

Cultivated in gardens, also found as an escape. *Fl. & Fr.*: September – December. *Selected specimen*: Kheri, K.K. Singh & party 7939 (CDRI).

Verbenaceae

Callicarpa arborea Roxb.

In mixed forests. *Fl. & Fr.*: May – November. North Oudh (Duthie, Fl. Gangetic Plain 2: 219. 1911).

Callicarpa longifolia Lam.

In marshy places. *Fl. & Fr.*: March – September. *Selected specimens*: Pilibhit, Sri Ram 1627 (DD); Kheri, Sri Ram Acc. No. 52516 (DD).

Callicarpa macrophylla Vahl (Vern.: Daya)

In mixed forests. *Fl. & Fr.*: October - January. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37113, 38510 (BSA); Balrampur, K.K. Khanna 59959 (BSA); Bijnor, Attiar A. Khan 443 (BSD); Gonda, K.K. Khanna & Ram Saran 39158 (BSA); Kheri, U. Shukla 60801 (BSD).

Clerodendrum cordatum D. Don

In shady wastelands, along roadsides and on the outskirts of forests. *Fl. & Fr.*: December – July. *Selected specimens*: Bahraich, G. Panigrahi 2708 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10513 (BSA).

Clerodendrum indicum (L.) Kuntze (Vern.: Bharangi)

In wastelands, grassy places and along river banks. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38655 (BSA); Gorakhpur, C.M. Arora 1559 (BSA); Kheri, U. Shukla 69983 (BSD); Pilibhit, Inayat 22446 (DD); Saharanpur, Y.S. Murty & A.K. Goel 1157 (BSD).

Clerodendrum inerme (L.) Gaertn.

Planted in gardens as a hedge. *Fl. & Fr.*: April–September. *Selected specimens*: Bijnor, J.P. Sharma 67246 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 313 (BSD).

Clerodendrum infortunatum L. (Vern.: Bhanf)

Along roadsides, in wastelands and sal forests. *Fl. & Fr.*: March – June. *Selected specimens*: Bahraich, K.K. Khanna AICRPE 10 (BSA); Balrampur, K.K. Khanna 65342 (BSA); Bijnor, C.L. Malhotra 19586 (BSD); Gorakhpur, J.G. Srivastava & party 48350 (LWG); Kheri, K.K. Singh & party 7147 (CDRI); Moradabad, H.L. Prasad 80011 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1421 (BSD).

Clerodendrum phlomidis L.f.

In wastelands, along river banks and also cultivated. *Fl. & Fr.*: September - February. *Selected specimens*: Bijnor, J.P. Sharma 67236 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1405 (BSD).

Clerodendrum splendens G. Don

Planted in gardens. *Fl. & Fr.*: January – April. *Selected specimen*: Saharanpur, M.A. Rau 14648 (BSD).

Duranta erecta L.

Planted as a hedge in gardens. *Fl. & Fr.*: Most parts of the year. *Selected specimens*: Bahraich, O.P. Misra 780 (BSA); Gonda, K.K. Khanna & Ram Saran 37277 (BSA); Kheri, C.L. Malhotra 23552 (BSD); Saharanpur, B.K. Shukla 57254 (BSA).

Glandularia aristigera (S. Moore) Tronc.

Planted in gardens. *Fl. & Fr.*: October - February. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1262 (BSD).

Gmelina arborea Roxb. (Vern.: Gamhar)

In sal forests. *Fl. & Fr.*: February - June. *Selected specimens*: Bahraich, S.L. Kapoor 70051 (LWG); Gorakhpur, Harsukh 22451 (DD); Saharanpur, Y.S. Murty & A.K. Goel 1559 (BSD); Sitapur, Malik N. Uddin 19963 (LWG).

Holmskioldia sanguinea Retz.

Planted in gardens. *Fl. & Fr.*: October – February. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1363 (BSD).

Lantana camara L. (Vern.: Lal tahan)

var. *camara*

In wastelands, along roadsides and as forest undergrowth. *Fl. & Fr.*: Almost throughout the year.

Selected specimens: Balrampur, K.K. Khanna 59952, 65316, 68710 (BSA); Bijnor, C.L. Malhotra 19581 (BSD); Gonda, K.K. Khanna & Ram Saran 39180 (BSA); Kheri, K.K. Singh 2883 (CDRI); Saharanpur, B.K. Shukla 17097 (BSA); Sitapur, B.K. Shukla 61286 (BSA). var. *splendens* (Medik.) Moldenke

Introduced. Moradabad (Duthie, Fl. Gangetic Plain 2: 217. 1911).

Lantana indica Roxb.

In wastelands and scrub forests. *Fl. & Fr.*: September – December. *Selected specimens*: Gorakhpur, G. Panigrahi & Ram Saran 10745 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 881 (BSD).

Lantana trifolia L.

In wastelands. *Fl. & Fr.*: September – December. N.W. India (Duthie, Fl. Gangetic Plain 2: 216. 1911).

Lippia alba (Mill.) N.E.Br. ex Britton & P. Wilson

Along banks of rivers, canals, ponds and ditches. *Fl. & Fr.*: March – October. *Selected specimens*: Balrampur, K.K. Khanna 67832 (BSA); Basti, A. Singh & party 63612 (LWG); Gonda, J.K. Maheshwari 81566 (LWG); Gorakhpur, G. Panigrahi 20745 (BSA).

Petrea volubilis L.

Planted in gardens. *Fl. & Fr.*: March - May. *Selected specimen*: Saharanpur, M.A. Rau 14675 (BSD).

Phyla nodiflora (L.) E. Greene (Vern.: Gahdi)

In moist wastelands mostly along ponds, drains, ditches and lakes. *Fl. & Fr.*: Throughout the year. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37119 (BSA); Balrampur, K.K. Khanna & Ram Saran 37203 (BSA); Bijnor, J.P. Sharma 67235 (BSD); Gonda, K.K. Khanna 46009 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10650 (BSA); Kheri, C.L. Malhotra 31440 (BSD); Moradabad, C.L. Malhotra 20288 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 79 (BSD); Sant Kabir Nagar, K.K. Khanna 68557 (BSA).

Premna barbata Wall. ex Schauer

Along the banks of ponds and rivers. *Fl. & Fr.*: February – June. *Selected specimen*: Bahraich V. Chandra & party 12325 (LWG).

Premna herbacea Roxb.

On the outskirts of forests and along river banks. *Fl. & Fr.*: February - October. *Selected specimens*: Kheri, K.K. Singh & party 8388 (CDRI), G. Saran & party 26273 (LWG).

Premna mollissima Roth

On the outskirts of forests. *Fl. & Fr.*: March - July. *Selected specimens*: Bahraich, V. Chandra & party 12377 (LWG); Bijnor, Attiar 318 (BSD); Kheri, K.K. Singh 7416 (CDRI), G. Saran & party 26475 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 2104 (BSD); Sitapur, G. Saran & party 26802 (LWG).

Pseudocaryopteris bicolor (Roxb. ex Hardw.) P.D. Cantino

In sal and mixed forests. *Fl. & Fr.*: January – April. *Selected specimens*: Bahraich, G. Panigrahi 2180 (BSA); Saharanpur, R. Patil 744 (BSA); Shravasti, K.K. Khanna 66679 (BSA).

Rotheca serrata (L.) Steane & Mabb.

In sal and deciduous forests. *Fl. & Fr.*: August – November. *Selected specimens*: Kheri, K.K. Singh & party 7895 (CDRI); Rampur, J.H. Lace 1090 (CAL).

Stachytarpheta urticifolia Sims

Along roadsides and in wastelands. *Fl. & Fr.*: Most parts of the year. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 243 (BSD).

Tectona grandis L.f. (Vern.: Sagon)

In deciduous forests, and planted along roadsides and in forests. *Fl. & Fr.*: May - December. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37606 (BSA); Balrampur, K.K. Khanna 65304 (BSA); Bijnor, V. Chandra & party 44054 (LWG); Gonda, S.K. Malhotra 12168 (BSD); Kheri, B.K. Shukla 61629 (BSA); Pilibhit, B.K. Shukla 61629 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 455 (BSD).

Verbena bipinnatifida Nutt.

Planted in gardens and also found as an escape. *Fl. & Fr.*: October – March. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 39158 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10627 (BSA); Kheri, C.L. Malhotra 23608 (BSD).

Verbena officinalis L.

As a weed in gardens and wastelands. *Fl. & Fr.*: July - November. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37116 (BSA); Deoria, A. Singh & party 63513 (LWG); Gorakhpur, M.A. Rau 12194 (BSD); Kheri, U. Shukla 70092 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1105 (BSD); Shravasti, K.K. Khanna 66682 (BSA).

Vitex negundo L. (Vern.: Sambhalu)

Along roadsides, river banks and in the vicinity of villages. *Fl. & Fr.*: June – December. *Selected specimens*: Bahraich, Hira Lal 410 (LWG); Balrampur, K.K. Khanna & Ram Saran 37280 (BSA); Bijnor, J.P. Sharma 67139 (BSD); Gonda, K.K. Khanna 39959 (BSA); Kheri, K.K. Singh 8552 (CDRI); Moradabad, H.L. Prasad 80009 (BSD); Saharanpur, B.K. Shukla 57094 (BSA); Sitapur, G. Saran & party 26808 (LWG).

Lamiaceae

Ajuga integrifolia Buch.-Ham.

In moist places. *Fl. & Fr.*: January – March. *Selected specimen*: Bijnor, V. Chandra & party 43997 (LWG).

Ajuga macrosperma Wall. ex Benth.

Along the banks of drains and lakes. *Fl. & Fr.*: January – March. *Selected specimens*: Bahraich, Inayat 23798 (DD); Gonda, Inayat 20988 (DD); Gorakhpur, Harsukh 22384 (b) (DD); Kheri, P.C. Pant 43611 (BSD); Saharanpur, U.C. Bhattacharyya 49465 (BSD).

Ajuga parviflora Benth.

In moist places. *Fl. & Fr.*: March – June. *Selected specimen*: Kheri, J.K. Maheshwari & party EBH-336 (LWG).

Anisomeles indica (L.) Kuntze (Vern.: Gopali)

As forest undergrowth and along roadsides. *Fl. & Fr.*: August – March. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37601 (BSA); Balrampur, K.K. Khanna 54901, 68732 (BSA); Basti, A. Singh & party 63626 (LWG); Bijnor, V. Chandra & party 43625 (LWG); Gonda, K.K. Singh & party 6167 (LWG); Gorakhpur, Harsukh 22403 (DD); Kheri, P.C. Pant 43027 (BSD); Pilibhit, Inayat 22401 (a) (DD); Saharanpur, O.P. Misra 37946 (BSD); Sant Kabir Nagar, K.K. Khanna 67847 (BSA).

Clinopodium capitellatum (Benth.) Kuntze

Along the banks of lakes and ponds. *Fl. & Fr.*: March – April. *Selected specimen*: Sant Kabir Nagar, K.K. Khanna 68552 (BSA).

Colebrookea oppositifolia Sm. (Vern.: Bansa, Daya)

In mixed and sal forests. *Fl. & Fr.*: November – April. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37674 (BSA); Balrampur, K.K. Khanna 65345 (BSA); Bijnor, V. Chandra & party 43659 (LWG); Deoria, A. Singh & party 63683 (LWG); Gonda, Hira Lal 16854 (LWG); Gorakhpur, Harsukh 22385 (DD); Kheri, K.K. Singh 8353 (CDRI); Saharanpur, J.S. Gamble 22508 (DD).

Hyptis suaveolens (L.) Poit. (Vern.: Ban-tulsi)

In wastelands, forest clearings and along roadsides. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37694 (BSA); Balrampur, K.K. Khanna 59997, 68736 (BSA); Gonda, Hira Lal 13483 (LWG); Kheri, G. Saran & S.L. Kapoor 25794 (LWG); Moradabad, H.B. Naithani s.n. (DD); Sitapur, Kaul & party 19784 (LWG).

Isodon coetsa (Buch.-Ham. ex D.Don) Kudô

In mixed forests. *Fl. & Fr.*: January – March. Bahraich (Maliya & Datt in J. Econ. Taxon. Bot. 34 (1): 61. 2010).

Isodon japonicus (Burm.f.) H.Hara

In forest clearings. *Fl. & Fr.*: January – March. *Selected specimen*: Bahraich, S.D. Maliya 224554 (LWG).

Isodon ternifolius (D.Don) Kudô

In mixed forests. *Fl. & Fr.*: January – March. *Selected specimens*: Kheri, K.K. Singh & party 7934 (CDRI); Pilibhit, A.E. Osmaston 1417 (DD).

Leonotis nepetifolia (L.) R.Br. (Vern.: Bara-juma, Lal-guma)

In wastelands and along roadsides. *Fl. & Fr.*: October – March. *Selected specimens*: Bahraich, M.A. Rau 8185 (BSD); Balrampur, K.K. Khanna 68632 (BSA); Gonda, Anand Prakash 220021 (LWG); Kheri, P.C. Pant 43419 (BSD).

Leonurus sibiricus L.

In wastelands. *Fl. & Fr.*: January – March. *Selected specimens*: Deoria, Ajay Singh & party 63720 (LWG); Pilibhit, Hira Lal 2061 (LWG).

Leonurus tataricus L.

Cultivated. *Fl. & Fr.*: January – March. *Selected specimen*: Saharanpur, Acc. No. 1701 (DD).

Leucas aspera (Willd.) Link (Vern.: Guma)

As forest undergrowth, in wastelands and along roadsides. *Fl. & Fr.*: August – March. *Selected specimens*: Bahraich, O.P. Misra 7725 (BSA); Balrampur, K.K. Khanna 68633 (BSA); Deoria, A. Singh & party 63702 (LWG); Gorakhpur, J.G. Srivastava & party 48348 (LWG); Kheri, T. Mukerjee 19875 (LWG); Sitapur, G.S. Srivastava 19997 (LWG).

Leucas biflora (Vahl) Sm.

As forest undergrowth and along roadsides. *Fl. & Fr.*: October – March. *Selected specimens*: Bijnor, V. Chandra & party 43633 (LWG); Kheri, G. Saran & party 26448 (LWG).

Leucas cephalotes (Koenig ex Roth) Spreng. (Vern.: Guma)

In cultivated fields, wastelands and forest clearings. *Fl. & Fr.*: August – April. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37694 (BSA); Bijnor, V. Chandra & party 43957 (LWG); Gonda, K.K. Singh & party 6168 (LWG); Kheri, K.K. Singh & party 7944 (CDRI); Saharanpur, V. Chandra & party 42704 (LWG).

Leucas decemdentata (Willd.) Sm.

var. **angustifolia** (Wall. ex Benth.) V.Singh

Along the bank of streams. *Fl. & Fr.*: June – December. *Selected specimen*: Gorakhpur, J.K. Maheshwari 81537 (LWG).

var. **decemdentata**

As forest undergrowth and along the bank of streams. *Fl. & Fr.*: July – December. *Selected specimens*: Bahraich, *Inayat* 23802 (DD); Gorakhpur, *Harsukh* 22390 (b) (DD), Kheri, *C.L. Malhotra* 31518 (BSD); Pilibhit, *Inayat* 22388 (a) (DD); Saharanpur, *V. Chandra & party* 42852 (LWG).

Leucas hyssopifolia Benth. (Vern.: *Gomi*)

As forest undergrowth. *Fl. & Fr.*: May – August. *Selected specimens*: Bahraich, *S. Ram* 2296 (DD); Gorakhpur, *Harsukh* 22389 (b) (DD); Kheri, *Inayat* 22389 (DD); Pilibhit, *Inayat* 22389 (a) (DD); Saharanpur, *N. Hearle s.n.* (DD).

Leucas lavandulifolia Sm.

Along the banks of ponds and lakes. *Fl. & Fr.*: August – March. *Selected specimens*: Basti, *A. Singh & party* 63631 (LWG); Gorakhpur, *M.A. Rau* 12341 (BSD); Sant Kabir Nagar, *K.K. Khanna* 68527 (BSA).

Mentha arvensis L.

Cultivated. *Fl. & Fr.*: June – July. *Selected specimen*: Pilibhit, *Hira Lal* 2031 (LWG).

Mentha spicata L. (Vern.: *Pudina*)

Cultivated. *Fl. & Fr.*: June – July.

Meriandra dianthera (Roth ex Roem. & Schult.) Briq. (Vern.: *Kapoor ka patta*)

In mixed forests. *Fl. & Fr.*: September – December. *Selected specimen*: Pilibhit, Acc. No. 19446 (CDRI).

Nepeta graciliflora Benth.

Along the bank of ponds. *Fl. & Fr.*: January – March. *Selected specimens*: Bahraich, *S.D. Maliya* 225248 (LWG); Saharanpur, *M.B. Raizada* s.n. (DD).

Nepeta hindostana (B.Heyne ex Roth) Haines

Along roadsides and lake banks. *Fl. & Fr.*: January – April. *Selected specimens*: Bahraich, *G. Panigrahi* 2867 (BSA); Bijnor, *V. Chandra & party* 43556 (LWG); Deoria, *A. Singh & party* 63706 (LWG); Gorakhpur, *J.G. Srivastava & party* 48326 (LWG); Kheri, *Inayat* 22394 (DD); Pilibhit, *Inayat* 22394 (a) (DD); Saharanpur, *R.C. Bhardwaja* 6982 (LWG); Sitapur, *G. Saran & party* 26732 (LWG).

Ocimum americanum L. (Vern.: *Ban-tulsi, Mimri*)

In wastelands and near habitations. *Fl. & Fr.*: July – March. *Selected specimens*: Balrampur, *K.K. Khanna* 59954 (BSA); Basti, *A. Singh & party* 63607 (LWG); Bijnor, *V. Chandra & party* 44036 (LWG); Gonda, *V. Chandra & party* 12504 (LWG); Gorakhpur, *M.A. Rau* 12311 (BSD); Kheri, *J.K. Maheshwari & party* EBH-369 (LWG); Sant Kabir Nagar, *K.K. Khanna* 65547, 68541 (BSA).

Ocimum basilicum L. (Vern.: *Dawna, Kali-tulsi, Mimri*)

On the outskirts of forests, in wastelands and nearby habitations. *Fl. & Fr.*: July – April. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 38626 (BSA); Balrampur, *K.K. Khanna & Ram Saran* 37285 (BSA); Bijnor, *Y.K. Sarin* 5117 (BSD); Gonda, *K.K. Khanna* 39191 (BSA); Gorakhpur, *Harsukh* 22398 (a) (DD); Kheri, *C.L. Malhotra* 13470 (BSD); Saharanpur, *R.N. Parker* 56 (DD); Sant Kabir Nagar, *K.K. Khanna* 67845 (BSA); Sitapur, *G. Saran & party* 26847 (LWG).

Ocimum gratissimum L. (Vern.: *Jangli-tulsi, Ram-tulsi*)

In wastelands and along roadsides. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, *S.D. Maliya* 223661 (LWG); Saharanpur, *Y.S. Murty & A.K. Goel* 457 (BSD).

Ocimum kilimandscharicum Gürke (Vern.: *Kapur-tulsi*)

Cultivated. *Fl. & Fr.*: August – December. *Selected specimen*: Pilibhit, Acc. No. 19529 (CDRI).

Ocimum tenuiflorum L. (Vern.: *Tulsi*)

In wastelands and cultivated throughout the region. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 37669 (BSA); Balrampur, *K.K. Khanna* 68634 (BSA); Bijnor, *J.P. Sharma* 67176 (BSD); Kheri, *K.K. Singh & party* 7995 (CDRI); Moradabad, *H.L. Prasad* 80008 (BSD).

Orthosiphon pallidus Royle ex Benth.

In moist places and along lakes. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, *Hira Lal* 404 (LWG); Pilibhit, *D.D. Awasthi* 371 (LWG); Sant Kabir Nagar, *K.K. Khanna* 67846 (BSA).

Orthosiphon rubicundus (D.Don) Benth.

In sal forests and along roadsides. *Fl. & Fr.*: April – August. *Selected specimens*: Bahraich, *V. Chandra* 11979 (LWG); Gonda, *Harsukh* 22407 a (DD); Gorakhpur, *Harsukh* 22407 (DD); Kheri, *G. Saran & party* 26470 (LWG); Pilibhit, *Inayat* 22406 (b) (DD).

Perilla frutescens (L.) Britt.

In moist shady places. *Fl. & Fr.*: August – September. *Selected specimens*: Bahraich, *S.D. Maliya* 224557 (LWG); Kheri, *K.K. Singh & party* 7924 (CDRI); Saharanpur, *Y.S. Murty & A.K. Goel* 420 (BSD).

Phlomidoides superba (Royle ex Benth.) Kamelin & Makhm.

In wastelands. *Fl. & Fr.*: January – March. *Selected specimen*: Saharanpur, *Som Deva* 3217 (DD).

Platostoma hispidum (L.) A.J.Paton

In wastelands and along lake banks. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 37630 (BSA); Balrampur, *K.K. Khanna* 54945, 54987 (BSA); Bijnor, *V. Chandra & party* 44059 (LWG); Gonda, *G.S. Srivastava* 16894 (LWG); Kheri, *K.K. Singh & party* 7851 (CDRI); Saharanpur, *V. Chandra & party* 42897 (LWG).

Pogostemon benghalensis (Burm.f.) Kuntze

As forest undergrowth. *Fl. & Fr.*: November – March. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 38568 (BSA), *K.K. Khanna* 39898 (BSA); Balrampur, *K.K. Khanna* 38742 (BSA); Bijnor, *V. Chandra & party* 44029 (LWG); Gonda, *K.K. Khanna & Ram Saran* 37189 (BSA); Gorakhpur, *Harsukh* 22399 (b) (DD); Kheri, *K.K. Singh* 7332 (CDRI); Pilibhit, *Inayat* 22400 (DD); Sant Kabir Nagar, *K.K. Khanna* 67911 (BSA).

Pogostemon crassicaulis (Benth.) Press

In wastelands. *Fl. & Fr.*: October – December. *Selected specimen*: Pilibhit, *Khalid* s.n. (DD).

Pogostemon pubescens Benth.

Along roadsides. *Fl. & Fr.*: February – May. *Selected specimen*: Kheri, *G. Saran & party* 26188 (LWG).

Pogostemon pumilus (Graham) Press

Along forest roads. *Fl. & Fr.*: January – March. *Selected specimen*: Bahraich, *G. Panigrahi & O.P. Misra* 6588 (BSA).

Pogostemon stellatus (Lour.) Kuntze

In moist places. *Fl. & Fr.*: September – February. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 38599 (BSA), *G. Panigrahi & O.P. Misra* 6588 (BSA); Kheri, *K.K. Singh & party* 7975 (CDRI).

Salvia plebeia R.Br. (Vern.: *Bankati*)

Along roadsides, ponds and lakes. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, *O.P. Misra* 7733 (BSA); Balrampur, *K.K. Khanna & Ram Saran*

37219 (BSA); Gonda, G. Saran & party 61412 (LWG); Gorakhpur, J.G. Srivastava & party 48363 (LWG); Kheri, Inayat 22405 (DD); Saharanpur, Y.S. Murty & A.K. Goel 584 (BSD); Sant Kabir Nagar, K.K. Khanna 67844 (BSA); Shahjahanpur, R.P. Singh 19965 (LWG); Sitapur, G. Saran & party 19933 (LWG).

Plantaginaceae

Plantago asiatica L.

In wastelands. *Fl. & Fr.*: January – April. *Selected specimen*: Muzaffarnagar, R.K. Gupta 36869 (LWG).

Plantago exigua Juss. ex Murray

In wastelands. *Fl. & Fr.*: January – March. *Selected specimen*: Muzaffarnagar, R.C. Bharadwaja 8721 (LWG).

Plantago ovata Forssk.

In cultivated fields and wastelands. *Fl. & Fr.*: January – March. Bahraich (Saini in J. Econ. Taxon. Bot. 29(5): 860. 2005).

Nyctaginaceae

Boerhavia chinensis (L.) Rottb.

In wastelands. *Fl. & Fr.*: August – December. *Selected specimens*: Balrampur, K.K. Khanna 68638 (BSA); Kheri, K.K. Singh 2835 (CDRI); Saharanpur, M.R. Singh s.n. (LWG); Sitapur, G. Saran & party 26826 (LWG).

Boerhavia diffusa L. (Vern.: Patharchatta)

In wastelands, along roadsides and lake banks. *Fl. & Fr.*: November – April. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37621 (BSA); Balrampur, K.K. Khanna 68635 (BSA); Bijnor, V. Chandra & party 44134 (LWG); Gonda, K.K. Khanna 37136 (BSA); Kheri, G. Saran & S.L. Kapoor 6872 (LWG); Moradabad, H.L. Prasad 79905 (BSD); Saharanpur, M.A. Rau 14665 (BSD); Sant Kabir Nagar, K.K. Khanna 67937 (BSA); Sitapur, G. Saran & party 26872 (LWG).

Boerhavia plumbaginea Cav.

In wastelands. *Fl. & Fr.*: November – March. *Selected specimen*: Kheri, C.L. Malhotra & S.C. Srivastava 31460 (BSD).

Boerhavia procumbens Banks ex Roxb. (Vern.: Swet Punarnava)

Along roadsides. *Fl. & Fr.*: October – May. *Selected specimen*: Kheri, K.K. Singh 2835 (CDRI, LWG).

Boerhavia repens L.

Along roadsides and in rock crevices. *Fl. & Fr.*: Almost throughout the year. *Selected specimen*: Gorakhpur, G. Panigrahi & Ram Saran 10775 (BSA).

Bougainvillea glabra Choisy

Cultivated in gardens. *Fl.*: Throughout the year. *Selected specimens*: Balrampur, K.K. Khanna 68636 (BSA); Gonda, K.K. Khanna 39963 (BSA).

Mirabilis jalapa L. (Vern.: Gulabbas)

Cultivated in gardens. *Fl. & Fr.*: Almost throughout the year.

Amaranthaceae

Achyranthes aspera L. (Vern.: Chirchiri, Latjira)

var. *aspera*

In wastelands. *Fl. & Fr.*: August – February. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37692 (BSA); Basti, A. Singh & party 63718 (LWG); Bijnor, V. Chandra & party 43658 (LWG); Gonda, K.K. Khanna & Ram Saran 37169 (BSA); Kheri, K.K. Singh 2831 (CDRI); Moradabad, H.L. Prasad 79910 (BSD); Saharanpur, V. Chandra & party 42719 (LWG); Sant Kabir Nagar, K.K. Khanna 67938 (BSA); Shrivasti,

Anand Prakash 220037 (LWG); Sitapur, G. Saran & party 26857 (LWG).

var. *porphyristachya* (Wall. ex Moq.) Hook.f.

In wastelands. *Fl. & Fr.*: August – February. *Selected specimens*: Bahraich, S.D. Maliya 223667 (LWG); Kheri, K.K. Singh & party 7823 (CDRI).

Achyranthes bidentata Blume

On the outskirts of forests. *Fl. & Fr.*: October – January. *Selected specimens*: Bijnor, Mrs. Jain 13183 (LWG); Kheri, K.K. Singh 7414 (CDRI).

Aerva javanica (Burm.f.) Juss. ex Schult.

In moist shady places. *Fl. & Fr.*: October – June. Bahraich (Saini in J. Econ. Taxon. Bot. 29(4): 861. 2005).

Aerva lanata (L.) Juss. ex Schult.

In wastelands and along roadsides. *Fl. & Fr.*: August – March. *Selected specimens*: Bahraich, S.D. Maliya 224639 (LWG); Balrampur, K.K. Khanna 68640 (BSA); Kheri, G. Saran & party 26252 (LWG).

Aerva sanguinolenta (L.) Blume

On forest floor and along roadsides. *Fl. & Fr.*: August – April. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38566 (BSA), G. Panigrahi & O.P. Misra 6481 (BSA); Balrampur, K.K. Khanna 68745 (BSA); Bijnor, V. Chandra & party 43662 (LWG); Deoria, Ajay Singh & party 63732 (LWG); Gonda, P. Singh 16878 (LWG); Gorakhpur, J.G. Srivastava & party 48303 (LWG); Kheri, C.L. Malhotra 13455 (BSD); Moradabad, H.L. Prasad 79986 (BSD); Saharanpur, J.G. Srivastava & party 6962 (LWG); Shrivasti, Anand Prakash 220030 (LWG).

Alternanthera paronychioides St.Hill.

Along roadsides and bank of ponds. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Bahraich, C.L. Malhotra 26704 (BSD); Basti, Hira Lal 2908 (LWG); Gonda, K.K. Khanna & Ram Saran 37329 (BSA); Kheri, C.L. Malhotra 13345 (BSD); Moradabad, H.L. Prasad 79968 (BSD).

Alternanthera pungens Kunth

In moist wastelands. *Fl. & Fr.*: August – March. *Selected specimen*: Kheri, K.K. Singh 8380 (CDRI).

Alternanthera sessilis (L.) R.Br. ex DC.

Along the banks of ponds, lakes and in wet habitats. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37609 (BSA); Bijnor, V. Chandra & party 43955 (LWG); Gonda, K.K. Khanna & Ram Saran 37162 (BSA); Gorakhpur, K.K. Singh 6939 (LWG); Kheri, C.L. Malhotra 13323 (BSD); Moradabad, H.L. Prasad 79933 (BSD); Saharanpur, V. Chandra & party 42843 (LWG); Sant Kabir Nagar, K.K. Khanna 65592, 68589 (BSA); Shrivasti, Anand Prakash 220044 (LWG); Sitapur, G. Saran & party 26748 (LWG).

Amaranthus caudatus L. (Vern.: Rangia)

In wastelands. *Fl. & Fr.*: August – October. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6612 (BSA); Kheri, J.K. Maheshwari & party EBH-363 (LWG).

Amaranthus cruentus L.

In wastelands. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, P. Singh 16564 (LWG); Gorakhpur, J.G. Srivastava & party 48365 (LWG).

Amaranthus hybridus L.

In cultivated fields and wastelands. *Fl. & Fr.*: August – October. *Selected specimen*: Bahraich, G. Panigrahi & O.P. Misra 6613 (BSA).

Amaranthus hypochondriacus L. (Vern.: Ramdana)

Cultivated. *Fl. & Fr.*: August – December. *Selected specimen*: Gonda, K.K. Singh & team 6149 (LWG).

***Amaranthus polygamus* L.**

In wastelands. *Fl. & Fr.*: August – November. *Selected specimens*: Kheri, G. Saran & party 26610 (LWG); Saharanpur, V. Chandra & party 42771 (LWG).

***Amaranthus spinosus* L.** (Vern.: *Katili-chaulai*)

In wastelands and along roadsides. *Fl. & Fr.*: Throughout the year. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37658 (BSA); Basti, A. Singh & party 63629 (LWG); Bijnor, V. Chandra & party 43817 (LWG); Deoria, A. Singh & party 63700 (LWG); Gonda, K.K. Khanna & Ram Saran 37193 (BSA); Kheri, C.L. Malhotra 13374 (BSD); Sant Kabir Nagar, K.K. Khanna 67941 (BSA); Sitapur, R.N. Malik 15885 (LWG).

***Amaranthus tenuifolius* Willd.**

In moist wastelands. *Fl. & Fr.*: March – June. *Selected specimens*: Basti, Hira Lal 2914 (LWG); Gonda, K.K. Khanna & Ram Saran 37323 (BSA); Pilibhit, Hira Lal 2037 (LWG).

***Amaranthus tricolor* L.**

In cultivated fields and wastelands. *Fl. & Fr.*: August – October. *Selected specimens*: Bahraich, Hira Lal 13437 (LWG); Bijnor, Y.K. Sarin 5274 (BSD); Gonda, Hira Lal 16819 (LWG); Kheri, G. Saran & party 26567 (LWG); Saharanpur, C.L. Malhotra 22852 (BSD); Sant Kabir Nagar, K.K. Khanna 65531 (BSA).

***Amaranthus viridis* L.** (Vern.: *Chaulai*)

In wastelands, cultivated fields and along roadsides. *Fl. & Fr.*: Throughout the year. *Selected specimens*: Bahraich, S.C. Srivastava 26650 (BSD); Bijnor, V. Chandra & party 44138 (LWG); Gonda, K.K. Khanna & Ram Saran 37198 (BSA); Kheri, C.L. Malhotra 31512 (BSD); Sant Kabir Nagar, K.K. Khanna 67939 (BSA).

***Celosia argentea* L.** (Vern.: *Surwari*)

In wastelands, cultivated fields and along roadsides. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6614 (BSA); Balrampur, K.K. Khanna 68641 (BSA); Bijnor, V. Chandra & party 43635 (LWG); Kheri, C.L. Malhotra 13450 (BSD); Moradabad, H.L. Prasad 79906 (BSD); Saharanpur, O.P. Misra 37926 (BSD); Sant Kabir Nagar, K.K. Khanna 67940 (BSA).

***Deeringia amaranthoides* (Lam.) Merr.**

In mixed forests. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38598 (BSA); Bijnor, V. Chandra & party 44057 (LWG); Kheri, K.K. Singh & party 7968 (CDRI).

***Digera muricata* (L.) Mart.** (Vern.: *Lahsua*)

Along roadsides and on the banks of ponds and lakes. *Fl. & Fr.*: July – March. *Selected specimens*: Bahraich, S.K. Jain 16457 (LWG); Balrampur, K.K. Khanna 68642 (BSA); Gonda, K.K. Singh & team 6146 (LWG); Kheri, C.L. Malhotra 23568 (BSD); Sant Kabir Nagar, K.K. Khanna 67843 (BSA).

***Gomphrena celosioides* Mart.**

In wastelands, cultivated fields and along roadsides. *Fl. & Fr.*: July – April. *Selected specimens*: Bijnor, V. Chandra & party 17313 (LWG); Gonda, K.K. Khanna & Ram Saran 37350 (BSA); Kheri, C.L. Malhotra 23539 (BSD); Sitapur, Putti Lal 89538 (LWG).

***Gomphrena globosa* L.**

Cultivated. *Fl. & Fr.*: July – April. *Selected specimen*: Bijnor, V. Chandra & party 43810 (LWG).

***Psilotrichum ferrugineum* (Roxb.) Moq.**

In moist places. *Fl. & Fr.*: July – November. *Selected specimen*: Kheri, K.K. Singh 4299 (CDRI).

***Pupalia lappacea* (L.) Juss.**

In wastelands and along roadsides. *Fl. & Fr.*: August – March. *Selected specimens*: Kheri, G. Saran & S.L. Kapoor 25782 (LWG); Moradabad, H.L. Prasad 79979 (BSD); Saharanpur, V. Chandra & party 42806 (LWG); Sitapur, G. Saran & party 26831 (LWG).

Chenopodiaceae

***Chenopodium album* L.** (Vern.: *Bathua*)

In cultivated fields, wastelands and along lake banks. *Fl. & Fr.*: October – March. *Selected specimens*: Bahraich, G. Panigrahi 2866 (BSA); Balrampur, K.K. Khanna 68644 (BSA); Basti, A. Singh & party 63616 (LWG); Bijnor, Y.K. Sarin 5047 (BSD); Gorakhpur, J.G. Srivastava & party 48369 (LWG); Kheri, K.K. Singh & party 7186 (CDRI).

***Chenopodium murale* L.** (Vern.: *Chamarbathua*)

In cultivated fields and wastelands. *Fl. & Fr.*: December – March. *Selected specimens*: Bahraich, O.P. Misra 7775 (BSA); Balrampur, K.K. Khanna 68645 (BSA); Bijnor, V. Chandra & party 43891 (LWG); Kheri, C.L. Malhotra 13363 (BSD); Sant Kabir Nagar, K.K. Khanna 68521 (BSA); Sitapur, G. Saran & party 26888 (LWG).

***Dysphania ambrosioides* (L.) Mosyakin & Clemants** (Vern.: *Bishdhar*)

Along ponds and lakes banks. *Fl. & Fr.*: February – April. *Selected specimens*: Bahraich, S.D. Maliya 225954 (LWG); Bijnor, V. Chandra & party 44010 (LWG); Kheri, K.K. Singh 7329 (CDRI).

***Spinacia oleracea* L.** (Vern.: *Palak*)

Cultivated. *Fl. & Fr.*: February – June. *Selected specimen*: Kheri, J.K. Maheshwari & party EBH-353 (LWG).

Basellaceae

***Basella alba* L.** (Vern.: *Lal-bachlu*)

Cultivated in villages. *Fl. & Fr.*: November – March. *Selected specimens*: Bahraich, G. Panigrahi 6611A (BSA), M.A. Rau 8178 (BSD); Balrampur, K.K. Khanna 68643 (BSA); Gonda, K.K. Khanna 39968 (BSA); Kheri, K.K. Singh 7563 (CDRI); Sitapur, B.K. Shukla 61243 (BSA).

Phytolaccaceae

***Rivina humilis* L.**

In wastelands and gardens. *Fl. & Fr.*: August – October. *Selected specimen*: Saharanpur, B.K. Shukla 57264 (BSA).

Polygonaceae

***Antigonon leptopus* Hook. & Arn.**

Along roadsides, on the outskirts of forests and near habitations. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Bahraich, S.D. Maliya 227127 (LWG); Gonda, K.K. Khanna & Ram Saran 37185 (BSA).

***Fagopyrum esculentum* Moench** (Vern.: *Fafar*)

In cultivated fields. *Fl. & Fr.*: November – March. Bahraich (Saini in J. Econ. Taxon. Bot. 29(4): 865. 2005).

***Fagopyrum tataricum* (L.) Gaertn.**

Cultivated. *Fl. & Fr.*: October - June. Saharanpur, Duthie s.n. (DD).

***Polygonum barbatum* L.**
subsp. *barbatum*

In paddy fields and along the ponds and lakes. *Fl. & Fr.*: March – October. *Selected specimens*: Bahraich, S.D. Maliya 223735 (LWG); Balrampur, P. Singh 16903 (LWG); Gonda, K.K. Khanna & Ram Saran 37317 (BSA); Gorakhpur, J.G. Srivastava & party 48315 (LWG); Kheri, C.L. Malhotra 13453 (BSD); Pilibhit, Hira Lal 2033 (LWG); Saharanpur, C.L. Malhotra 22854 (BSD); Sant Kabir Nagar, K.K. Khanna 65560, 68519, 68520 (BSA); Sitapur, G. Saran & party 26844 (LWG).

subsp. **gracile** Danser

In marshy places. *Fl. & Fr.*: March – October. *Selected specimen*: Kheri, K.K. Singh & party 4303 (CDRI).

Polygonum capitatum Buch.-Ham. ex D. Don

In moist shady places. *Fl. & Fr.*: February – August. Bahraich (Saini in J. Econ. Taxon. Bot. 29(4): 865. 2005).

Polygonum chinense L.

Near drains. *Fl. & Fr.*: October – March. *Selected specimen*: Gorakhpur, Acc. No. 33300 (LWG).

Polygonum glabrum Willd. (Vern.: *Bauka*)

In marshy places along the drains and ponds. *Fl. & Fr.*: October – April. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37636 (BSA); Balrampur, K.K. Khanna 68749 (BSA); Bijnor, V. Chandra & party 43451 (LWG); Gonda, P. Singh 16933 (LWG); Kheri, K.K. Singh & party 7828 (CDRI); Saharanpur, V. Chandra & party 42783 (LWG); Sant Kabir Nagar, K.K. Khanna 65571, 65587 (BSA); Sitapur, G. Saran & party 26834 (LWG).

Polygonum hydropiper L.

Near ponds and lakes. *Fl. & Fr.*: February – September. *Selected specimens*: Balrampur, Hira Lal 16929 (LWG); Kheri, K.K. Singh 7559 (CDRI); Saharanpur, V. Chandra & party 42769 (LWG).

Polygonum lanigerum R.Br.

Along the ponds, lakes and rivers. *Fl. & Fr.*: November – April. *Selected specimens*: Gonda, G. Saran & party 61451 (LWG); Gorakhpur, J.G. Srivastava & party 48368 (LWG); Kheri, K.K. Singh & party 7884 (CDRI).

Polygonum lapathifolium L.

Along the ponds and lakes. *Fl. & Fr.*: November – March. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 39206 (BSA); Sant Kabir Nagar, K.K. Khanna 65568 (BSA).

Polygonum limbatum Meisn.

In puddles, ponds and banks of lakes. *Fl. & Fr.*: May – November. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 37343 (BSA); Kheri, K.K. Singh & party 7976 (CDRI); Saharanpur, Som Dev 3048 (BSD); Sant Kabir Nagar, K.K. Khanna 65553 (BSA).

Polygonum minus Huds.

On wet soil near ponds. *Fl. & Fr.*: November – February. *Selected specimen*: Saharanpur, R.C. Bhardwaja 6967 (LWG).

Polygonum molle D. Don

Along the ponds. *Fl. & Fr.*: March – October. *Selected specimen*: Sitapur, G. Saran & party 26838 (LWG).

Polygonum plebeium R.Br.

In moist wastelands and near lakes. *Fl. & Fr.*: December – April. *Selected specimens*: Bahraich, G. Panigrahi 2797 (BSA); Balrampur, K.K. Khanna 68715 (BSA); Bijnor, Y.K. Sarin 5151 (BSD); Gorakhpur, J.G. Srivastava & party 48384 (LWG); Kheri, K.K. Singh 7169 (CDRI); Sant Kabir Nagar, K.K. Khanna 65580, 65589 (BSA).

Polygonum pubescens Blume

In marshy places. *Fl. & Fr.*: March – October. *Selected specimen*: Pilibhit, Hira Lal 2034 (LWG).

Polygonum serrulatum Lag.

In marshy places along the ponds and lakes. *Fl. & Fr.*: April – November. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6547 (BSA); Bijnor, V. Chandra & party 44009 (LWG); Kheri, J.K. Maheshwari & party EBH 28 & 133 (LWG); Pilibhit, Hira Lal 2034 (LWG); Sitapur, G. Saran & party 26777 (LWG).

Polygonum stagnina Buch.-Ham. ex Meisn.

In ponds, puddles and along lakes. *Fl. & Fr.*: March – October. *Selected specimens*: Bahraich, M.A. Rau 8173 (BSD); Bijnor, V. Chandra & party 43804 (LWG); Gonda, Rampher 16935 (LWG).

Rumex dentatus L. (Vern.: *Jangli-palak*)

In moist places. *Fl. & Fr.*: January – April. *Selected specimens*: Bahraich, G. Panigrahi 2860 (BSA); Gonda, K.K. Khanna & Ram Saran 37188 (BSA); Gorakhpur, J.G. Srivastava & party 48676 (LWG); Kheri, K.K. Singh & party 7222 (CDRI); Sant Kabir Nagar, K.K. Khanna 68587 (BSA).

Rumex maritimus L.

In moist wastelands. *Fl. & Fr.*: March – April. *Selected specimens*: Gorakhpur, J.G. Srivastava & party 48347 (LWG); Kheri, G. Saran & party 26725 (LWG).

Rumex patientia L. subsp. **orientalis** (Bernh. ex Schult. & Schult.f.) Danser

In moist wastelands. *Fl. & Fr.*: March – May. *Selected specimen*: Gonda, J.K. Maheshwari 81560 (LWG).

Aristolochiaceae

Aristolochia indica L. (Vern.: *Kiramar*)

In mixed forests. *Fl. & Fr.*: August - March. *Selected specimens*: Bahraich, G. Panigrahi 2829 (BSA); Balrampur, K.K. Khanna 68646 (BSA); Gorakhpur, K.K. Singh & team 6111 (LWG).

Piperaceae

Peperomia pellucida (L.) Kunth

In moist shady places. *Fl. & Fr.*: September - December. *Selected specimens*: Bahraich, S.D. Maliya 224527, 225748 (LWG); Kheri, K.K. Singh & party 4248 (CDRI).

Piper longum L. (Vern.: *Pipli*)

In moist shady places of mixed forests. *Fl. & Fr.*: September - December. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6492 (BSA); Balrampur, K.K. Khanna 68647 (BSA); Kheri, B.K. Shukla 61503 (BSA), K.K. Singh & party 8478 (CDRI).

Piper mullesua Buch.-Ham. ex D. Don

In moist shady places. *Fl. & Fr.*: September - December. North Oudh (Duthie, Fl. Gangetic Plain 3: 46. 1915).

Saururaceae

Houttuynia cordata Thunb.

North Oudh (Duthie, Fl. Gangetic Plain 3: 46. 1915).

Lauraceae

Beilschmiedia roxburghiana Nees

Bahraich, Gonda (Duthie, Fl. Gangetic Plain 3: 49. 1915).

Cassytha filiformis L. (Vern.: *Amarbeli*)

In wastelands. *Fl. & Fr.*: Most parts of the year. *Selected specimen*: Deoria, A. Singh & party 63727 (LWG).

Cinnamomum camphora (L.) J. Presl

Planted. *Fl. & Fr.*: August - November. *Selected specimen*: Pilibhit, Acc. No. 20783 (CDRI).

Daphnidium pulcherrimum Nees

Planted. *Fl. & Fr.*: September - November. *Selected specimen*: Pilibhit, Acc. No. 20834 (CDRI).

Litsea glutinosa (Lour.) C.B. Robinson (Vern.: *Maida*)
In mixed forests. *Fl. & Fr.*: July - November. *Selected specimens*: Bahraich, V. Chandra & party 12139 (LWG); Balrampur, K.K. Khanna & Ram Saran 38739 (BSA); Gonda, K.K. Khanna 39988 (BSA); Gorakhpur, K.K. Singh & party 6129 (LWG); Kheri, C.L. Malhotra 31461 (BSD).

Litsea monopetala (Roxb.) Pers.
In mixed forests. *Fl. & Fr.*: March - July. *Selected specimens*: Bahraich, G. Panigrahi 2897 (BSA); Gonda, K.K. Khanna 46087 (BSA); Kheri, K.K. Singh 8396 (CDRI).

Litsea salicifolia Hook.f. var. ***laurifolia*** Hook.f.
North Oudh (Duthie, Fl. Gangetic Plain 3: 55. 1915).

Ocotea lancifolia (Schott) Mez
North Oudh (Duthie, Fl. Gangetic Plain 3: 52. 1915).

Proteaceae

Grevillea robusta A.Cunn. ex R.Br.
Planted along roadsides. *Fl. & Fr.*: March - May. *Selected specimens*: Kheri, K.K. Singh & party 8385 (CDRI); Saharanpur, B.K. Shukla 57038 (BSA).

Loranthaceae

Dendrophthoe falcata (L.f.) Ettingsh. (Vern.: *Banda*)
Parasite on trees. *Fl. & Fr.*: November - May. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38585 (BSA); Balrampur, K.K. Khanna 65341 (BSA), S.K. Jain 16906 (LWG); Kheri, K.K. Singh 4332 (CDRI); Sant Kabir Nagar, K.K. Khanna 68505 (BSA).

Loranthus longiflorus Desr.
Parasite on trees. *Fl. & Fr.*: November - March. *Selected specimens*: Bijnor, J.P. Sharma 70318 (BSD); Kheri, C.L. Malhotra 13404 (BSD); Pilibhit, J.N. Vohra 58289 (BSD).

Loranthus pulverulentus Wall.
Parasite on trees. *Fl. & Fr.*: October - March. *Selected specimen*: Saharanpur, V. Chandra & party 42823 (LWG).

Viscum articulatum Burm.f.
Parasite on trees. *Fl. & Fr.*: October - February. *Selected specimen*: Bahraich, D.D. Awasthi 577 (LWG).

Viscum monoicum Roxb. ex DC.
Parasite on trees. *Fl. & Fr.*: May - December. *Selected specimen*: Bahraich, Hira Lal 445 (LWG).

Santalaceae

Santalum album L.
Planted. *Fl. & Fr.*: August - December. *Selected specimen*: Kheri, G. Saran & party 26140 (LWG).

Euphorbiaceae

Acalypha indica L.
In wastelands, gardens and fields. *Fl. & Fr.*: July - November. *Selected specimens*: Bahraich, S.D. Maliya 225226 (LWG); Balrampur, K.K. Khanna 68648 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10795 (BSA); Kheri, K.K. Singh 8422 (CDRI); Sant Kabir Nagar, K.K. Khanna 67840 (BSA).

Baliospermum solanifolium (J.Burm.) Suresh
In shady places of mixed forests. *Fl. & Fr.*: February - April. *Selected specimens*: Gorakhpur, G. Panigrahi & Ram Saran 10536 (BSA); Kheri, C.L. Malhotra 13467 (BSD), K.K. Singh 8372 (CDRI); Maharajganj, S.L. Kapoor 45 (LWG); Moradabad, H.L. Prasad 79940 (BSD).

Bischofia javanica Blume

In mixed forests. *Fl. & Fr.*: February - April. *Selected specimens*: Gorakhpur, C.M. Arora 1553 (BSA); Kheri, Inayat 22489 (DD); Saharanpur, Kirat Ram Acc. No. 25745 (DD).

Chrozophora prostrata Dalzell
var. ***parvifolia*** (Klotzsch ex Schweinf.) N.P. Balakr.
In dried ponds and puddles. *Fl. & Fr.*: March - June. *Selected specimens*: Gonda, V. Chandra & party 12527 (LWG); Kheri, Inayat 22494 (DD).

var. ***prostrata***
In dried ditches and puddles. *Fl. & Fr.*: March - June. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 37258 (BSA); Gorakhpur, Harsukh 22494 (a) (DD); Kheri, G. Saran & party 26395 (LWG); Sant Kabir Nagar, K.K. Khanna 67841 (BSA); Sitapur, G. Saran & party 26838 (LWG).

Chrozophora rottleri (Geisel.) Adr. Juss. ex Spreng.
In wastelands, dried ditches and along roadsides. *Fl. & Fr.*: March - May. *Selected specimens*: Bahraich, V. Chandra & party 11862 (LWG); Gonda, K.K. Khanna & Ram Saran 37220 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10609 (BSA); Kheri, G.S. Srivastava 19966 (LWG); Pilibhit, Inayat 22495 (DD).

Chrozophora tinctoria (L.) A. Juss.
In sandy places. *Fl. & Fr.*: March - May. *Selected specimen*: Bahraich, Hira Lal 13467 (LWG).

Croton bonplandianus Baill.
In wastelands and along roadsides. *Fl. & Fr.*: March - August. *Selected specimens*: Bahraich, M.A. Rau 8144 (BSA & BSD); Gonda, K.K. Khanna & Ram Saran 37204 (BSA), K.K. Khanna 39978 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10612 (BSA); Kheri, K.K. Singh & party 7458 (CDRI); Moradabad, H.B. Naithani 6915 (DD); Sant Kabir Nagar, K.K. Khanna 67837 (BSA).

Croton persimilis Müll. Arg.
In sal and mixed forests. *Fl. & Fr.*: March - January. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 38738 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10585 (BSA).

Euphorbia antiquorum L.
Usually grown as a hedge in villages. *Fl. & Fr.*: November - January. Duthie (Fl. Gangetic Plain 3: 75. 1915).

Euphorbia dracunculoides Lam. (Vern.: *Titli*)
In cultivated fields. *Fl. & Fr.*: December - March. *Selected specimens*: Bahraich, G. Panigrahi, 2738 (BSA), K.K. Khanna & Ram Saran 38709 (BSA); Gonda, K.K. Khanna & Ram Saran 37299 (BSA); Kheri, G. Saran & party 26576 (LWG).

Euphorbia fusiformis Buch.-Ham. ex D. Don
In mixed forests. *Fl. & Fr.*: April - June. *Selected specimens*: Gonda, Inayat 23827 (a) (DD); Kanjilal Acc. No. 52487 (DD); Gorakhpur, Gupta, Singh & team 9444 (LWG); Kheri, J.K. Maheshwari & party EBH-165 (LWG); Saharanpur, U. Kanjilal 1089 (DD).

Euphorbia helioscopia L.
In mixed forests. *Fl. & Fr.*: April - October. *Selected specimens*: Bahraich, C.L. Malhotra 26663 (BSD), S.D. Maliya 225930 (LWG).

Euphorbia heterophylla L.
In wastelands, cultivated fields and along irrigation channels. *Fl. & Fr.*: August - October. *Selected specimens*: Gonda, K.K. Khanna 46049 (BSA); Saharanpur, B.K. Shukla Acc. No. 69996 (BSA).

Euphorbia heyneana Spreng.
Along roadsides and in paddy fields. *Fl. & Fr.*: September - October. *Selected specimens*: Gorakhpur, C.L.

Malhotra 12190 (BSD); Saharanpur, V. Chandra & party 42784 (LWG).

Euphorbia hirta L. (Vern.: *Dudhia*)

In moist wastelands and along roadsides. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6562 (BSA); Gonda, K.K. Khanna 46050 (BSA); Kheri, K.K. Singh 7420 (CDRI); Pilibhit, B.K. Shukla 61644 (BSA); Sant Kabir Nagar, K.K. Khanna 67839 (BSA); Sitapur, B.K. Shukla 61204 (BSA).

Euphorbia hypericifolia L.

In wastelands and sal forests. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38630 (BSA); Gonda, G. Saran & party 61449 (LWG); Kheri, K.K. Singh 7510 (CDRI); Saharanpur, B.K. Shukla Acc. No. 69995 (BSA); Sitapur, G. Saran & S.L. Kapoor 25754 (LWG).

Euphorbia indica Lam.

In wastelands. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, O.P. Misra 7829, 8022 (BSA); Gonda, K.K. Khanna 46081 (BSA).

Euphorbia neriiifolia L.

In wastelands and also planted in villages and cultivated fields. *Fl. & Fr.*: October - December. *Selected specimens*: Bahraich, B.N. Mehrotra 17002 (CDRI), S.D. Maliya 214889 (LWG).

Euphorbia parviflora L.

In wastelands. *Fl. & Fr.*: September – February. *Selected specimen*: Bahraich, G. Panigrahi 7829, 8022 (BSA).

Euphorbia prolifera Buch.-Ham. ex D. Don

Along drains and in wastelands. *Fl. & Fr.*: March – December. *Selected specimens*: Kheri, G. Saran & party 26275 (LWG), K.K. Singh & party 7470 (CDRI).

Euphorbia prostrata Aiton

In moist places of wastelands and fields. *Fl. & Fr.*: August – October. *Selected specimens*: Bahraich, C.L. Malhotra 26675 (BSD); Deoria, A. Singh & party 63713 (LWG); Gorakhpur, G. Panigrahi & Ram Saran 10769 (BSA); Kheri, C.L. Malhotra 23543, 31441 (BSD); Saharanpur, B.K. Shukla 57227 (BSA).

Euphorbia pulcherrima Willd. ex Klotzsch

Planted as an ornamental. *Fl. & Fr.*: November – March. Bahraich (Saini in J. Econ. Taxon. Bot. 29 (4): 873. 2005).

Euphorbia serpens Kunth

In open places. *Fl. & Fr.*: August – December. *Selected specimen*: Bahraich, O.P. Misra 7891 (BSA).

Euphorbia thymifolia L. (Vern.: *Laldudhi*)

In moist places of fields, wastelands and along roadsides. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, O.P. Misra 7812 (BSA); Balrampur, K.K. Khanna & Ram Saran 37245 (BSA); Gonda, K.K. Khanna & Ram Saran 37269 (BSA); Gorakhpur, J.G. Srivastava & party 48358 (LWG); Kheri, J.K. Maheshwari & party EBH-110 (LWG); Sant Kabir Nagar, K.K. Khanna 67838 (BSA).

Flueggea virosa (Roxb. ex Willd.) Royle

In mixed forests. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, V. Chandra & party 12357 (LWG); Kheri, K.K. Singh 7318 (CDRI).

Glochidion daltonii (Muell.Arg.) Kurz

In mixed forests. *Fl. & Fr.*: March – October. *Selected specimen*: Bahraich, G. Panigrahi & O.P. Misra 6526 (BSA).

Glochidion ellipticum Wight

In mixed forests. *Fl. & Fr.*: September – January. *Selected specimens*: Bahraich, Hira Lal 451 (LWG); Kheri, K.K. Singh & party 7196 (CDRI).

Glochidion lanceolarium (Roxb.) Voigt

In mixed forests. *Fl. & Fr.*: January – September. *Selected specimen*: Kheri, K.K. Singh & party 3059 (CDRI).

Glochidion multiloculare (Rottler ex Willd.) Voigt

In mixed forests. *Fl. & Fr.*: April – November. *Selected specimens*: Gorakhpur, C.M. Arora 1545 (BSA); Kheri, K.K. Singh 8497 (CDRI).

Jatropha curcas L. (Vern.: *Bakrendi*)

In wastelands and along cultivated fields. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6518 (BSA), K.K. Khanna 39876, AICRPE 46 (BSA); Deoria, A. Singh & party 63680 (LWG); Gonda, K.K. Khanna 37279, 39998, 59915 (BSA); Kheri, K.K. Singh & party 7959 (CDRI).

Jatropha gossypifolia L. (Vern.: *Vilayati-rendi*)

Along roadsides and cultivated fields. *Fl. & Fr.*: April – October. *Selected specimens*: Bahraich, G. Panigrahi 2762 (BSA); Gonda, K.K. Khanna & Ram Saran 39179 (BSA), K.K. Khanna 46027 (BSA); Kheri, K.K. Singh & party 3070 (CDRI).

Mallotus philippensis (Lam.) Müll.Arg. (Vern.: *Lali, Rohini*)

In sal and mixed forests. *Fl. & Fr.*: October – April. *Selected specimens*: Bahraich, G. Panigrahi 2752 (BSA), K.K. Khanna & Ram Saran 38559 (BSA); Balrampur, K.K. Khanna 59977, 68708 (BSA); Gonda, K.K. Khanna & Ram Saran 38749 (BSA); Gorakhpur, C.M. Arora 1403 (BSA), G. Panigrahi & Ram Saran 10516 (BSA); Kheri, K.K. Singh & party 2816 (CDRI); Kushinagar, K.K. Khanna 65351 (BSA); Pilibhit, Hira Lal 2051 (LWG); Shravasti, K.K. Khanna 65620 (BSA).

Mallotus repandus (Rottler) Müll.Arg.

In mixed forests. *Fl. & Fr.*: December – June. *Selected specimens*: Bahraich, G.S. Srivastava 16499 (LWG); Gorakhpur, C.M. Arora 1546 (BSA), J.G. Srivastava & party 48304 (LWG).

Manihot esculenta Crantz

Planted. *Fl. & Fr.*: December – March. *Selected specimen*: Kheri, Inayat 22514 (DD).

Pedilanthus tithymaloides (L.) Poit.

Planted as a hedge in gardens. *Fl. & Fr.*: October – December.

Ricinus communis L. (Vern.: *Rendi*)

In wastelands and villages. *Fl. & Fr.*: Almost throughout the year. *Selected specimens*: Bahraich, O.P. Misra 7824 (BSA); Balrampur, K.K. Khanna 68734 (BSA); Bijnor, V. Chandra & party 43502 (LWG); Kheri, K.K. Singh & party 8394 (CDRI), J.K. Maheshwari & party EBH-313 (LWG); Moradabad, C.L. Malhotra 20339 (BSD); Saharanpur, B.K. Shukla 57043 (BSA); Sant Kabir Nagar, K.K. Khanna 67836 (BSA); Sitapur, B.K. Shukla 61292 (BSA).

Sauropus brevipes Müll.Arg.

In mixed forests. *Fl. & Fr.*: February – August. Gonda (Raizada, Suppl. Duthie's Fl. Gangetic Plain 256. 1976).

Tragia involucrata L.

Along river banks. *Fl. & Fr.*: December – April. *Selected specimen*: Kheri, K.K. Singh & party 7320 (CDRI).

Trewia nudiflora L. (Vern.: *Bhilor, Guteh*)

Along roadsides, lake banks and in mixed forests. *Fl. & Fr.*: February - November. *Selected specimens*: Bahraich, G. Panigrahi 2770 (BSA); Balrampur, K.K. Khanna 67801 (BSA); Bijnor, Y.K. Sarin 5054 (BSD); Gonda, K.K. Khanna 68480 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10639, 10738 (BSA); Kheri, K.K. Singh & party 7188 (CDRI); Moradabad, H.L. Prasad

79972 (BSD); Maharajganj, S.L. Kapoor 56 (LWG); Shrivasti, K.K. Khanna 66690 (BSA).

Phyllanthaceae

Antidesma acidum Retz. (Vern.: *Amlola*)

In mixed forests. *Fl. & Fr.*: July – October. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6342 (BSA); Balrampur, K.K. Khanna 59975 (BSA); Gonda, V. Chandra & party 12453 (LWG); Kheri, Inayat 22525 (DD).

Antidesma bunius (L.) Spreng.

In mixed forests. *Fl. & Fr.*: April – August. *Selected specimen*: Gorakhpur, Sri Ram Acc. No. 52271 (DD).

Antidesma ghaesembilla Gaertn.

In sal and mixed forests. *Fl. & Fr.*: July – October. *Selected specimens*: Bahraich, K.K. Khanna 39920 (BSA); Gonda, Harsukh 22485 (b) (DD); Gorakhpur, S.L. Kapoor 24 (LWG); Kheri, C.L. Malhotra 31509 (BSD), G. Saran & party 26323 (LWG); Pilibhit, Inayat 26085 (DD).

Breynia retusa (Dennst.) Alston

In mixed forests. *Fl. & Fr.*: March – July. *Selected specimens*: Bahraich, Hira Lal 13456 (LWG); Gonda, S.L. Kapoor & party 70064 (LWG).

Breynia vitis-idaea (Burm.f.) C.E.C. Fischer (Vern.: *Tikhar*)

In sal and mixed forests. *Fl. & Fr.*: April – November. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38588 (BSA), K.K. Khanna 39882 (BSA); Balrampur, K.K. Khanna & Ram Saran 37187, 37281 (BSA); Gonda, M.A. Rau 12080 (BSD); Gorakhpur, C.M. Arora 1540 (BSA); Kheri, C.L. Malhotra 22865 (BSD).

Bridelia montana (Roxb.) Willd.

In mixed forests. *Fl. & Fr.*: October – December. *Selected specimens*: Gonda, P. Singh 16888 (LWG); Gorakhpur, J.G. Srivastava & party 48308 (LWG); Kheri, G. Saran & party 26265 (LWG); Pilibhit, Hira Lal 2050 (LWG).

Bridelia retusa (L.) Adr.Juss. (Vern.: *Khaja*)

In mixed forests and along roadsides. *Fl. & Fr.*: August – February. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6493 (BSA); Gonda, V. Chandra & party 12523 (LWG); Gorakhpur, C.M. Arora 1457 (BSA), G. Panigrahi & Ram Saran 10589 (BSA); Kheri, B.K. Shukla 61519 (BSA).

Bridelia stipularis (L.) Blume (Vern.: *Khaji*)

In sal and mixed forests. *Fl. & Fr.*: December – April. *Selected specimens*: Bahraich, G. Panigrahi 2757 (BSA), M.A. Rau 8147, 8157 (BSA); Balrampur, K.K. Khanna 59951, 65338, 68741 (BSA); Gonda, K.K. Khanna & Ram Saran 38747 (BSA), K.K. Khanna 46003 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10531 (BSA); Pilibhit, Kaul & party 19728 (LWG).

Bridelia verrucosa Haines

In mixed forests. *Fl. & Fr.*: October – February. *Selected specimen*: Saharanpur, B.S. Aswal 6270 (CDRI).

Phyllanthus airyshawii Brunel & Roux

In moist places. *Fl. & Fr.*: September – October. *Selected specimen*: Saharanpur, B.K. Shukla 57258 (BSA).

Phyllanthus emblica L. (Vern.: *Amla*, *Aonla*)

In mixed forests and also extensively cultivated. *Fl. & Fr.*: March – December. *Selected specimens*: Bahraich, G. Panigrahi 2940 (BSA); Balrampur, K.K. Khanna 68649 (BSA); Kheri, G. Saran & party 26144 (LWG), J.K. Maheshwari & party EBH-398 (LWG).

Phyllanthus fraternus G.L.Webster (Vern.: *Bhuiaonla*)

In shady moist places. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, S.D. Maliya 223747 (LWG); Balrampur, K.K. Khanna & Ram Saran 39054

(BSA); Kheri, K.K. Singh & party 4387 (CDRI); Sant Kabir Nagar, K.K. Khanna 67842 (BSA).

Phyllanthus reticulatus Poir.

In wastelands and along forest roads. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6556 (BSA); Gonda, K.K. Khanna 46036 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10705 (BSA); Kheri, K.K. Singh & party 2848 (CDRI); Moradabad, H.L. Prasad 80007 (BSD).

Phyllanthus simplex Retz. (Vern.: *Bhuiaonla*)

In wastelands, along fields and on the outskirts of forests. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37632 (BSA); Bijnor, V. Chandra & party 43486 (LWG); Gonda, K.K. Khanna & Ram Saran 37282 (BSA); Gorakhpur, C.M. Arora 1446 (BSA); Kheri, K.K. Singh 7430 (CDRI), Ved Prakash 18001 (CDRI); Moradabad, C.M. Arora 37116 (BSD).

Phyllanthus urinaria L.

In wastelands and on the outskirts of forests. *Fl. & Fr.*: July – December. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6411, 6595 (BSA); Balrampur, K.K. Khanna 36846 (BSA); Gonda, M.A. Rau 12070 (BSD); Kheri, C.L. Malhotra 22881 (BSD); Shrivasti, K.K. Khanna 48010, 48032 (BSA).

Putranjivaceae

Putranjiva roxburghii Wall. (Vern.: *Putrajiva*)

In mixed and sal forests, also planted. *Fl. & Fr.*: March – next year June. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37661 (BSA); Bijnor, Y.K. Sarin 5203 (BSD); Gorakhpur, G. Panigrahi & Ram Saran 10593 (BSA); Kheri, G. Saran & party 26527 (LWG); Maharajganj, S.L. Kapoor 29 (LWG); Saharanpur, B.K. Shukla 57039 (BSA).

Urticaceae

Gonostegia pentandra (Roxb.) Miq.

In wet places. *Fl. & Fr.*: August - October. *Selected specimens*: Bahraich, G. Panigrahi 6537 (BSA); Gonda, Ram Pher 16940 (LWG); Kheri, K.K. Singh & party 7885 (CDRI).

Laportea interrupta (L.) Chew.

In moist places of mixed forests. *Fl. & Fr.*: August - December. *Selected specimen*: Shrivasti, K.K. Khanna 65643 (BSA).

Pilea peploides (Gaudich.) Hook. & Arn.

In moist places. *Fl. & Fr.*: August - October. *Selected specimen*: Kheri, K.K. Singh 8364 (CDRI).

Pouzolzia zeylanica (L.) Benn.

In moist places. *Fl. & Fr.*: September - October. *Selected specimens*: Bahraich, S.D. Maliya 224539 (LWG); Kheri, K.K. Singh 3043 (CDRI); Pilibhit, C.L. Malhotra 50519 (BSD).

Urtica dioica L.

In moist places. *Fl. & Fr.*: August - October. *Selected specimen*: Bahraich, S.D. Maliya 225218 (LWG).

Ulmaceae

Celtis australis L.

In mixed forests. *Fl. & Fr.*: February – May. *Selected specimen*: Bahraich, S.L. Kapoor & party 70037 (LWG).

Celtis tetrandra Roxb. (Vern.: *Kaka*)

In mixed forests. *Fl. & Fr.*: January – March. *Selected specimen*: Bahraich, O.P. Misra 7971 (BSA).

Celtis timorensis Span.

In mixed forests. *Fl. & Fr.*: February – May. *Selected specimen*: Bahraich, K.K. Khanna & Ram Saran 37660 (BSA).

Holoptelea integrifolia (Roxb.) Planch. (Vern.: *Chilbil, Papri*)

Along roadsides and near habitations. *Fl. & Fr.*: January – May. *Selected specimens*: Bahraich, G. Panigrahi 2830 (BSA); Balrampur, K.K. Khanna 68650 (BSA); Sitapur, Malik N. Uddin 19992 (LWG).

Trema orientalis (L.) Blume

In mixed forests. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, V. Chandra & party 11888 (LWG); Balrampur, K.K. Khanna 59978 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10671 (BSA).

Trema politoria (Planch.) Blume

In mixed forests. *Fl. & Fr.*: March – September. *Selected specimens*: Bahraich, V. Chandra & party 12294 (LWG), S.K. Malhotra 12140 (BSD).

Trema tomentosa (Roxb.) H.Hara

In mixed forests. *Fl. & Fr.*: March – December. *Selected specimen*: Bahraich, V. Chandra & party 12231 (LWG).

Cannabaceae

Cannabis sativa L. (Vern.: *Bhang*)

In wastelands, along roadsides and on the outskirts of forests. *Fl. & Fr.*: March – December. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38624 (BSA); Balrampur, K.K. Khanna 68651 (BSA); Bijnor, V. Chandra & party 43815 (LWG); Gonda, G.S. Srivastava 16822 (LWG); Gorakhpur, J.K. Maheshwari 81519 (LWG); Kheri, C.L. Malhotra 23614 (BSD); Moradabad, H.L. Prasad 79921 (BSD); Saharanpur, V. Chandra & party 42820 (LWG); Sant Kabir Nagar, K.K. Khanna 67835 (BSA).

Moraceae

Artocarpus heterophyllus Lam. (Vern.: *Kathal*)

Cultivated in villages and orchards. *Fl. & Fr.*: November – July. *Selected specimens*: Bahraich, K.K. Khanna AICRPE 62 (BSA), K.K. Khanna 39900 (BSA), C.L. Malhotra 23685 (BSD); Balrampur, K.K. Khanna 68652 (BSA); Kheri, K.K. Singh 8348 (CDRI).

Artocarpus lakoocha Roxb. (Vern.: *Barhal*)

Cultivated in villages. *Fl. & Fr.*: March – July. *Selected specimens*: Balrampur, K.K. Khanna 68653 (BSA); Kheri, J.K. Maheshwari EBH-376 (LWG).

Broussonetia papyrifera (L.) L'Hér. ex Vent.

Planted. *Fl. & Fr.*: March – July. *Selected specimen*: Bahraich, S.D. Maliya & B. Datt 224901 (LWG).

Ficus assamica Miq.

In moist shady places. *Fl. & Fr.*: March – July. Bahraich (Kumar et al. in Amer. J. Pl. Sci. 2: 80. 2011).

Ficus benghalensis L. (Vern.: *Bargad*)

In villages and along roadsides. *Fl. & Fr.*: Throughout the year. *Selected specimens*: Bahraich, S.D. Maliya 224660 (LWG); Balrampur, K.K. Khanna & Ram Saran 37259 (BSA); Gonda, V. Chandra & party 12525 (LWG); Kheri, K.K. Singh 7356 (CDRI).

Ficus carica L. (Vern.: *Anjir*)

Along roadsides, also cultivated in gardens. *Fl. & Fr.*: January – October. *Selected specimens*: Bahraich, S.D. Maliya 225906 (LWG); Kheri, G. Saran & party 26675 (LWG).

Ficus elastica Roxb. ex Hornem.

Planted. Bahraich (Kumar et al. in J. Threatened Taxa 7(7): 7370. 2015).

Ficus heterophylla L.f.

In mixed forests. *Fl. & Fr.*: April – June. *Selected specimens*: Kheri, S. Saha & party EBH-149 (LWG), K.K. Singh & party 7954 (CDRI).

Ficus hispida L.f. (Vern.: *Kathgular*)

Along roadsides, in fields and sal forests. *Fl. & Fr.*: January – June. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37642 (BSA); Gonda, K.K. Khanna & Ram Saran 37313 (BSA); Gorakhpur, J.G. Srivastava & party 48381 (LWG); Kheri, C.L. Malhotra 31529 (BSD); Sitapur, G. Saran & party 26816 (LWG).

Ficus microcarpa L.f.

In mixed forests. *Fl. & Fr.*: February – October. *Selected specimen*: Bahraich, O.P. Misra 7941 (BSA).

Ficus palmata Forssk. (Vern.: *Anjeer, Kathgularia*)

Along roadsides, on the outskirts of forests and also planted. *Fl. & Fr.*: June – September. *Selected specimens*: Bahraich, G. Panigrahi 2864 (BSA); Bijnor, J.P. Sharma 67225 (BSD); Gonda, K.K. Khanna & Ram Saran 37192 (BSA); Kheri, C.L. Malhotra 31558 (BSD); Moradabad, H.L. Prasad 79953 (BSD).

Ficus pumila L.

In mixed forests. *Fl. & Fr.*: February – June. *Selected specimens*: Kheri, K.K. Singh & party 7906 (CDRI); Saharanpur, O.P. Misra 37966 (BSD).

Ficus racemosa L. (Vern.: *Gular*)

On the banks of drains and lakes, in wastelands and mixed forests. *Fl. & Fr.*: February – October. *Selected specimens*: Bahraich, S.D. Maliya 224694 (LWG); Kheri, J.K. Maheshwari & party EBH-339 (LWG); Shravasti, K.K. Khanna 48012 (BSA).

Ficus religiosa L. (Vern.: *Peepal*)

Along roadsides, bank of drains and lakes, in fields, villages and sometimes in forests. *Fl. & Fr.*: March – October. *Selected specimens*: Bahraich, K.K. Khanna AICRPE 63 (BSA); Bijnor, V. Chandra & party 43696 (LWG); Gonda, K.K. Khanna & Ram Saran 39227 (BSA); Kheri, K.K. Singh & party 7204 (CDRI).

Ficus retusa var. *nitida* (Thunb.) Miq.

In mixed forests. *Fl. & Fr.*: Almost throughout the year. Bahraich (Kumar et al. in J. Threatened Taxa 7(7): 7372. 2015).

Ficus rumphii Blume (Vern.: *Gajhar*)

In mixed forests and along roadsides. *Fl. & Fr.*: February – July. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38586 (BSA); Balrampur, K.K. Khanna 68748 (BSA); Kheri, J.K. Maheshwari & party EBH-334 (LWG), K.K. Singh 8349 (CDRI); Shravasti, K.K. Khanna 66661 (BSA).

Ficus semicordata Buch.-Ham. ex Sm. (Vern.: *Bhuin-gular, Jharphali, Khurkhur*)

In mixed forests and along drains. *Fl. & Fr.*: Throughout the year. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37602 (BSA); Balrampur, K.K. Khanna 65339 (BSA); Gonda, Ram Pher 16915 (LWG); Kheri, K.K. Singh 4177 (CDRI), U. Shukla 69812 (BSD).

Ficus squamosa Roxb.

In mixed forests. *Fl. & Fr.*: February – June. *Selected specimen*: Bahraich, Hira Lal 466 (LWG).

Ficus virens Aiton (Vern.: *Gasti, Pakar*)

Along roadsides, in villages and bank of drains. *Fl. & Fr.*: April – January. *Selected specimens*: Balrampur, K.K. Khanna 65320 (BSA); Bijnor, Y.K. Sarin 5131 (BSD); Deoria, A. Singh & party 63716 (LWG); Kheri, C.L. Malhotra 13456 (BSD); Pilibhit, J.N. Vohra 60211 (BSD).

Morus alba L. (Vern.: *Shahtut*)

Along roadsides, also cultivated in gardens and orchards. *Fl. & Fr.*: February – June. *Selected specimens*: Bahraich, V. Chandra & party 12304 (LWG); Balrampur, K.K. Khanna 68654 (BSA); Bijnor, Y.K. Sarin 5141 (BSD); Kheri, J.K. Maheshwari & party EBH-317 (LWG).

Morus australis Poir.

Cultivated in gardens. *Fl. & Fr.*: January – June. *Selected specimen*: Bahraich, V. Chandra & party 12303 (LWG).

Morus nigra L.

Cultivated in gardens. *Fl. & Fr.*: January - June. *Selected specimen*: Kheri, J.K. Maheshwari & party EBH-372 (LWG).

Morus serrata Roxb.

Cultivated in gardens. *Fl. & Fr.*: January - May. *Selected specimen*: Moradabad, H.L. Prasad 80002 (BSD).

Streblus asper Lour. (Vern.: Sihora)

In mixed forests and along roadsides. *Fl. & Fr.*: April – August. *Selected specimens*: Bijnor, V. Chandra & party 43995 (LWG); Gonda, Gupta, Singh & team 9429 (LWG); Gorakhpur, S.L. Kapoor 22 (LWG); Kheri, U. Shukla 70266 (BSD); Moradabad, H.L. Prasad 79970 (BSD); Sitapur, G. Saran & party 26876 (LWG).

Casuarinaceae

Casuarina equisetifolia L.

Planted as an avenue tree and in gardens. *Fl. & Fr.*: March – July. *Selected specimen*: Bahraich, S.D. Maliya 214824 (LWG).

Salicaceae

Populus alba L.

Planted. *Fl. & Fr.*: March – July.

Salix denticulata Andersson

In moist swampy places. *Fl. & Fr.*: October – January. *Selected specimen*: Bahraich, S.D. Maliya 225246 (LWG).

Salix tetrasperma Roxb.

On the bank of streams and in moist swampy places. *Fl. & Fr.*: October – February. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37657 (BSA); Bijnor, V. Chandra & party 43689 (LWG); Kheri, C.L. Malhotra 13452 (BSD).

Ceratophyllaceae

Ceratophyllum demersum L.

In stagnant water, ponds and lakes. *Fl. & Fr.*: October – February. *Selected specimens*: Bahraich, G. Panigrahi 2851 (BSA), G. Panigrahi & O.P. Misra 6570 (BSA); Balrampur, K.K. Khanna 68655 (BSA); Kheri, K.K. Singh 8559 (CDRI); Saharanpur, C.L. Malhotra 22855 (BSD); Sant Kabir Nagar, K.K. Khanna 68592 (BSA).

Hydrocharitaceae

Blyxa aubertii Rich.

In ponds. *Fl. & Fr.*: October – February. *Selected specimen*: Bahraich, G. Panigrahi & O.P. Misra 6589 (BSA).

Hydrilla verticillata (L.f.) Royle

In ponds, tanks, ditches and lakes. *Fl. & Fr.*: November – April. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6376 (BSA), M.A. Rau 8127, 8162 (BSA); Bijnor, V. Chandra & party 44008 (LWG); Gonda, K.K. Khanna & Ram Saran 39141 (BSA); Sant Kabir Nagar, K.K. Khanna 67905, 68512, 68546, 68598 (BSA).

Hydrocharis dubia (Blume) Backer

In ponds and puddles. *Fl. & Fr.*: October – February. *Selected specimen*: Bahraich, Inayat 23855 (DD).

Nechamandra alternifolia (Roxb. ex Wight) Thwaites

In ponds and lakes. *Fl. & Fr.*: November – April. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6544 (BSA); Pilibhit, C.L. Malhotra 42606 (BSD); Sant Kabir Nagar, K.K. Khanna 65501 (BSA); Shahjahanpur, Duthie 4415 (DD).

Ottelia alismoides (L.) Pers.

In ponds, puddles and lakes. *Fl. & Fr.*: October – March. *Selected specimens*: Bahraich, G. Panigrahi 2849 (BSA), G. Panigrahi & O.P. Misra 6534, 6657 (BSA); Gonda, K.K. Khanna & Ram Saran 39142 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10586, 10731 (BSA), C.M. Arora 1461 (BSA); Kheri, C.L. Malhotra 13355 (BSD); Sant Kabir Nagar, K.K. Khanna 68510, 68580 (BSA).

Vallisneria spiralis L.

var. **denseserrulata** Makino

In ponds. *Fl. & Fr.*: December – February. *Selected specimen*: Gorakhpur, G. Panigrahi & Ram Saran 10587 (BSA).

var. **spiralis**

In ponds, puddles and lakes. *Fl. & Fr.*: December – February. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6461, 6656 (BSA); Basti, A. Singh & party 63648 (LWG); Gonda, K.K. Khanna & Ram Saran 39085 (BSA); Kheri, Inayat 22839 (DD); Sant Kabir Nagar, K.K. Khanna 67936 (BSA).

Orchidaceae

Aerides odorata Lour.

In sal forests. *Fl. & Fr.*: November – April. *Selected specimen*: Bahraich, Inayat 23868 (DD).

Calanthe plantaginea Lindl.

In sal forests. *Fl. & Fr.*: March – July. *Selected specimen*: Bahraich, S.D. Maliya 225264 (LWG).

Crepidium resupinatum (G.Forst.) Szlach.

In moist places of mixed forests. *Fl. & Fr.*: July – October. *Selected specimen*: Maharajganj, A.A. Ansari 3463 (Gorakhpur University).

Cymbidium aloifolium (L.) Sw.

On trees. *Fl. & Fr.*: February – May. Bahraich (Duthie, Fl. Gangetic Plain 3: 204. 1920).

Cymbidium iridioides D.Don

On trees. *Fl. & Fr.*: August – February. *Selected specimen*: Bahraich, Hira Lal 453 (LWG).

Epipactis veratrifolia Boiss. & Hohen.

In sal forests. *Fl.*: February. *Selected specimen*: Bahraich, Hira Lal 467 (LWG).

Eulophia bicallosa (D.Don) P.F.Hunt & Summerh.

In mixed forests. *Fl.*: June. *Selected specimen*: Kheri, Inayat 22798 (DD).

Eulophia dabia (D.Don) Hochr.

In rocky places of forests. *Fl. & Fr.*: April – June. *Selected specimens*: Bahraich, Inayat 24145 (DD); Pilibhit, Inayat 25802 (DD), C.L. Malhotra 50678 (BSD); Saharanpur, U.C. Bhattacharyya 49457 (BSD).

Eulophia explanata Lindl.

As forest undergrowth. *Fl. & Fr.*: April – July. *Selected specimens*: Gonda, Inayat 23859 (DD); Kheri, Inayat 23860/a (DD); Pilibhit Inayat 22794, 25788 (DD); Saharanpur, s.n. (BSD).

Eulophia flava (Lindl.) Hook.f.

In mixed forests. *Fl. & Fr.*: April – July. *Selected specimen*: Kheri, Inayat 24142 (a) (DD).

Eulophia graminea Lindl.
In sal forests. *Fl.* & *Fr.*: October – December. *Selected specimen*: Kheri, C.L. Malhotra 31544 (BSD).

Eulophia mackinnonii Duthie
In sal forests. *Fl.*: July – August. Bahraich (Duthie, Fl. Gangetic Plain 3: 197. 1920).

Eulophia obtusa (Lindl.) Hook.f.
In mixed forests. *Fl.*: July – August. *Selected specimen*: Pilibhit, Inayat 25801 (DD).

Eulophia spectabilis (Dennst.) Suresh
In mixed forests. *Fl.*: April – June. *Selected specimen*: Kheri, Inayat 24143 (a) (DD).

Gastrochilus distichus (Lindl.) Kuntze
On trees in forests. *Fl.*: January – March. Bahraich (Duthie, Fl. Gangetic Plain 3: 213. 1920)

Geodorum densiflorum (Lam.) Schltr.
In mixed forests. *Fl.* & *Fr.*: July – October. *Selected specimens*: Bahraich, V. Chandra & party 12347 (LWG).

Goodyera procera (Ker Gawl.) Hook.
In moist shady places. *Fl.* & *Fr.*: February – May. Bahraich (Duthie, Fl. Gangetic Plain 3: 218. 1920).

Habenaria commelinifolia (Roxb.) Wall. ex Lindl.
In sal and mixed forests. *Fl.* & *Fr.*: August – December. *Selected specimen*: Kheri, K.K. Singh 7753, 7894 (CDRI).

Habenaria digitata Lindl.
In moist places. *Fl.* & *Fr.*: July – October. *Selected specimens*: Bahraich, V. Chandra & party 12219 (LWG); Balrampur, V. Chandra & party s.n. (LWG); Saharanpur, Y.S. Murty & A.K. Goel 1921 (BSD).

Habenaria plantaginea Lindl.
In moist shady places of mixed forests. *Fl.* & *Fr.*: September – November. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6591 (BSA); Balrampur, K.K. Khanna 54949 (BSA).

Nervilia concolor (Blume) Schltr.
In sal forests. *Fl.* & *Fr.*: July – September. *Selected specimen*: Bahraich, S.D. Maliya 225960 (LWG).

Nervilia gammieana (Hook.f.) Pfitzer
In sal forests. *Fl.*: May – July. *Selected specimens*: Gonda, M.A. Rau 12109 (BSD), S.K. Malhotra 12153 (BSD).

Oberonia falconeri Hook.f.
On trees. *Fl.* & *Fr.*: August – February. Bahraich (Saini in J. Econ. Taxon. Bot. 29(4): 881. 2005).

Oberonia pachyrachis Rchb.f. ex Hook.f.
On trees. *Fl.* & *Fr.*: November – May. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1979 (BSD).

Pelatantheria insectifera (Rchb.f.) Ridl.
In deciduous forests. *Fl.* & *Fr.*: July – February. Bahraich (Duthie, Fl. Gangetic Plain 3: 215. 1920).

Peristylus affinis (D. Don) Seidenf.
In mixed forests. *Fl.* & *Fr.*: June – October. *Selected specimen*: Bahraich, S.D. Maliya 225267 (LWG).

Peristylus constrictus (Lindl.) Lindl.
In mixed forests. *Fl.* & *Fr.*: July – September. *Selected specimen*: Bahraich, S.D. Maliya 226649 (LWG).

Pholidota imbricata Lindl.
On trees. *Fl.* & *Fr.*: July – December. *Selected specimen*: Bahraich, V. Chandra & party 12323 (LWG).

Rhynchosstylis retusa (L.) Blume
On trees. *Fl.* & *Fr.*: July – February. *Selected specimen*: Gonda, Harsukh 22800 (DD).

Vanda tessellata (Roxb.) Hook. ex G. Don (Vern.: Banda)

On trees. *Fl.* & *Fr.*: Almost throughout the year. *Selected specimens*: Bahraich, G. Panigrahi 2944 (BSA), Inayat 23867 (DD); Balrampur, K.K. Khanna 68665 (BSA); Gonda, Acc. No. 82266 (LWG); Kheri, S. Saha & party EBH-179 (LWG), J.K. Maheshwari & party EBH-386 (LWG).

Zeuxine strateumatica (L.) Schltr.

In moist sandy soil. *Fl.* & *Fr.*: December – March. *Selected specimens*: Bahraich, O.P. Misra 7770, 8016 (BSA), M.A. Rau 8181 (BSD); Balrampur, K.K. Khanna 68656 (BSA); Pilibhit, J.N. Vohra 58333 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 540 (BSD); Sant Kabir Nagar, K.K. Khanna 68551 (BSA).

Zingiberaceae

Amomum dealbatum Roxb.

In sal forests. *Fl.* & *Fr.*: June – December. *Selected specimen*: Bahraich, G. Panigrahi & O.P. Misra 6480 (BSA).

Curcuma amada Roxb.

In moist places. *Fl.* & *Fr.*: July – October. *Selected specimen*: Gonda, V. Chandra & party 12536 (LWG).

Curcuma angustifolia Roxb.

As forest undergrowth. *Fl.* & *Fr.*: May – October. *Selected specimens*: Bahraich, V. Chandra & party 12255 (LWG); Gonda, Harsukh 22803 (b) (DD); Kheri, Inayat 22802 (a) (DD); Pilibhit, C.L. Malhotra 37148 (BSD), Inayat 22803 (DD); Saharanpur, R.C. Bhardwaja 6959 (LWG).

Curcuma aromatica Salisb.

In mixed forests. *Fl.* & *Fr.*: May – August. *Selected specimen*: Bahraich, S.D. Maliya 214846 (LWG).

Curcuma longa L.

Cultivated. *Fl.* & *Fr.*: September – November. *Selected specimens*: Bahraich, S.D. Maliya 214886 (LWG), Harsukh 22804 (a) (DD); Kheri, J.K. Maheshwari & party EBH-114 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 1891 (BSD).

Globba orixensis Roxb.

In sal forests. *Fl.* & *Fr.*: July – October. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1815 (BSD).

Globba racemosa Sm.

In sal forests. *Fl.* & *Fr.*: August – September. *Selected specimen*: Balrampur, V. Chandra & party Acc. No. 11571 (LWG).

Hedychium coronarium J. Koenig

In mixed forests. *Fl.* & *Fr.*: August – February. *Selected specimens*: Bahraich, G. Panigrahi 6474 (BSA); Balrampur, K.K. Khanna 68666 (BSA).

Zingiber capitatum Roxb.

In sal and mixed forests. *Fl.* & *Fr.*: August – September. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6474 (BSA); Balrampur, K.K. Khanna 59976 (BSA); Kheri, C.L. Malhotra 22098 (BSD); Pilibhit, C.L. Malhotra 42701 (BSD).

Zingiber officinale Roscoe (Vern.: Adrak)

Cultivated. *Fl.*: September – October.

Zingiber roseum (Roxb.) Roscoe

In shady places of sal forests. *Fl.* & *Fr.*: September – January. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37622 (BSA), S.D. Maliya 224533 (LWG); Balrampur, K.K. Khanna 68667 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 1779 (BSD).

Costaceae

Cheilocostus speciosus (J. Koenig) C. D. Specht

In shady places of sal forests. *Fl. & Fr.*: August – May. *Selected specimens*: Balrampur, K.K. Khanna 68663 (BSA); Gorakhpur, M.A. Rau 12330 (BSD); Kheri, C.L. Malhotra 22899 (BSD); J.K. Maheshwari & party EBH-81 (LWG); Pilibhit, C.L. Malhotra 42357 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1821 (BSD); Sitapur, S. Sultana Acc. No. 26794 (LWG).

Musaceae

Musa balbisiana Colla

Cultivated. Bahraich (Maliya & Datt in J. Econ. Taxon. Bot. 34 (1): 64. 2010).

Musa paradisiaca L.

Cultivated throughout the region. *Fl. & Fr.*: April – October. *Selected specimens*: Bahraich, S.D. Maliya 227134 (LWG); Kheri, J.K. Maheshwari & party EBH-390 (LWG).

Cannaceae

Canna indica L.

Cultivated. *Fl. & Fr.*: Throughout the year. *Selected specimen*: Gonda, K.K. Khanna & Ram Saran 37229 (BSA).

Amaryllidaceae

Crinum asiaticum L. (Vern.: Sudarshan)

Cultivated. *Fl. & Fr.*: May – October. *Selected specimen*: Bahraich, S.D. Maliya 224661 (LWG).

Crinum viviparum (Lam.) R. Ansari & V.J. Nair (Vern.: Sudarshan)

Cultivated. *Fl. & Fr.*: July – October. Bahraich (Saini in J. Econ. Taxon. Bot. 29(4): 882. 2005).

Hypoxidaceae

Curculigo orchioides Gaertn. (Vern.: Siah-musli)

In sal and mixed forests. *Fl. & Fr.*: July – September. *Selected specimens*: Bahraich, K.K. Khanna 54986 (BSA); Gonda, K.K. Singh & team 9426 (LWG), Harsukh 22832 (b) (DD); Gorakhpur, M.A. Rau 12334 (BSD); Kheri, B.K. Shukla 61388 (BSA), C.L. Malhotra 22877 (BSD); Pilibhit, C.L. Malhotra 50792 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1784 (BSD).

Dioscoreaceae

Dioscorea belophylla (Prain) Voigt ex Haines

In mixed forests. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, V. Chandra & party 11950 (LWG); Bijnor, V. Chandra & party 43945 (LWG); Kheri, C.L. Malhotra 13433 (BSD); Pilibhit, C.L. Malhotra 42726 (BSD).

Dioscorea bulbifera L. (Vern.: Ratalu)

In mixed and sal forests. *Fl. & Fr.*: July – November. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38654 (BSA), G. Panigrahi & O.P. Misra 6611 (BSA); Balrampur, K.K. Khanna 59969 (BSA); Gonda, K.K. Khanna & Ram Saran 39186, 39196 (BSA); Gorakhpur, J.G. Srivastava & party 48312 (LWG); Pilibhit, C.L. Malhotra 50494 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 724 (BSD).

Dioscorea esculenta (Lour.) Burkill

In mixed forests. *Fl. & Fr.*: August – February. *Selected specimen*: Kheri, G. Saran & party 26488 (LWG).

Dioscorea glabra Roxb.

var. *glabra*

In mixed forests. *Fl. & Fr.*: November – January. *Selected specimens*: Bahraich, V. Chandra & party 11914 (LWG); Gonda, Rampher 16875 (LWG); Kheri,

G. Saran & party 26487 (LWG), Inayat 22826 (DD); Pilibhit, Hira Lal 2046 (LWG).

var. *vera* Prain & Burkill

In sal forests. *Fl. & Fr.*: November – January. Gorakhpur, Kheri (Duthie, Fl. Gangetic Plain 3: 256. 1920).

Dioscorea hispida Dennst.

In mixed forests. *Fl. & Fr.*: September – May. *Selected specimens*: Bahraich, V. Chandra & party 12313 (LWG), Harsukh 22829 (DD); Gonda, Harsukh 22825 (DD); Kheri, Inayat 22824 (DD).

Dioscorea oppositifolia L. (Vern.: Nagar-kanda)

In mixed and sal forests. *Fl. & Fr.*: July – November. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38564 (BSA); Gonda, K.K. Khanna & Ram Saran 38764 (BSA); Pilibhit, D.D. Awasthi 310 (LWG).

Dioscorea pentaphylla L.

In mixed forests and along roadsides. *Fl. & Fr.*: August – January. *Selected specimens*: Bahraich, Harsukh 22823 (DD); Gonda, V. Chandra & party 12599 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 1753 (BSD).

Dioscorea pubera Blume

In mixed and sal forests. *Fl. & Fr.*: September – January. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38564 (BSA), G. Panigrahi 2891 (BSA), M.A. Rau 8255 (BSA); Balrampur, K.K. Khanna 54962, 54964, 59965, 65347 (BSA).

Dioscorea wightii Hook.f.

In mixed and sal forests. *Fl. & Fr.*: October – February. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6358 (BSA), O.P. Misra 7886, 7980 (BSA).

Liliaceae

Lilium polyphyllum D. Don

In sal forests. *Fl. & Fr.*: June – July. *Selected specimen*: Bahraich, S.D. Maliya 225263 (LWG).

Colchicaceae

Gloriosa superba L. (Vern.: Kaliyari)

In open places on the outskirts of forests. *Fl. & Fr.*: June – November. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6613A (BSA); Balrampur, K.K. Khanna 68174 (BSA); Gorakhpur, C.M. Arora 1490 (BSA); Kheri, C.L. Malhotra 22866 (BSD); Pilibhit, C.L. Malhotra 51050 (BSD), Inayat 26027 (DD); Saharanpur, Y.K. Sarin 8829 (BSD).

Xanthorrhoeaceae

Asphodelus tenuifolius Cav. (Vern.: Ban-piaz)

In moist wastelands and cultivated fields. *Fl. & Fr.*: November – December. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38672 (BSA); Balrampur, K.K. Khanna 68659 (BSA); Bijnor, V. Chandra & party 43837 (LWG); Gorakhpur, G. Panigrahi & Ram Saran 10799 (BSA); Kheri, G.S. Srivastava & party 26596 (LWG); Saharanpur, Gamble 22505 (DD); Sitapur, G. Saran & party 26766 (LWG).

Asparagaceae

Agave americana L.

Planted. *Fl. & Fr.*: December – March. *Selected specimen*: Bahraich, S.D. Maliya 225289 (LWG).

Agave cantala (Haw.) Roxb. ex Salm-Dyck

Planted. *Fl. & Fr.*: December – March. *Selected specimen*: Bahraich, S.D. Maliya 225976 (LWG).

Allium cepa L. (Vern.: Piyaz)

Cultivated throughout the region. *Fl. & Fr.*: December – March. *Selected specimen*: Bahraich, G. Panigrahi 2930 (BSA).

Allium sativum L. (Vern.: *Lahsun*)

Cultivated throughout the region. *Fl. & Fr.*: December – March. *Selected specimen*: Gorakhpur, J.G. Srivastava & party 48330 (LWG).

Aloe vera (L.) Burm.f. (Vern.: *Ghee-kunwar*)

Cultivated. *Fl. & Fr.*: November – March.

Asparagus adscendens Roxb. (Vern.: *Satawar*)

In mixed forests. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6396 (BSA); Balrampur, K.K. Khanna & Ram Saran 39185 (BSA); Bijnor, V. Chandra & party 44081 (LWG); Pilibhit, J.N. Vohra 60241 (BSD); Saharanpur, Gamble 23992 (DD), Y.S. Murty & A.K. Goel 1475 (BSD).

Asparagus racemosus Willd. var. *racemosus* (Vern.: *Satawar*)

In mixed and sal forests. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6620 (BSA); Balrampur, K.K. Khanna 68175 (BSA); Bijnor, J.P. Sharma 67247 (BSD); Gonda, Harsukh 22817 (c) (DD); Gorakhpur C.M. Arora 1422 (BSA); Kheri, C.L. Malhotra 13432 (BSD); Pilibhit, C.L. Malhotra 42650 (BSD).

Asparagus trichophyllus Bunge

In mixed forests. *Fl. & Fr.*: July – September. *Selected specimen*: Bahraich, G. Panigrahi & O.P. Misra 6396 A (BSA).

Chlorophytum arundinaceum Baker (Vern.: *Safed-musli*)

In mixed forests. *Fl. & Fr.*: August – October. *Selected specimens*: Balrampur, K.K. Khanna 59963 (BSA), V. Chandra & party 12542 (LWG).

Chlorophytum nimmonii Dalzell

In mixed forests. *Fl. & Fr.*: July – October. *Selected specimen*: Balrampur, V. Chandra & party 12587 (LWG).

Chlorophytum tuberosum (Roxb.) Baker (Vern.: *Safed-musli*)

In sal forests. *Fl. & Fr.*: July – September. *Selected specimens*: Bahraich, V. Chandra & party 12469 (LWG); Balrampur, V. Chandra & party 12555 (LWG); Gonda, K.K. Khanna & Ram Saran 39194 (BSA), M.A. Rau 12084 (BSD); Gorakhpur, K.K. Singh & team 6119 (LWG).

Drimia indica (Roxb.) Jessop (Vern.: *Ban-piaz*)

In open grassy fields. *Fl. & Fr.*: March – May. *Selected specimens*: Bahraich, S.D. Maliya 225271 (LWG); Balrampur, K.K. Khanna 68660 (BSA); Basti, A. Singh & party 63625 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 1791 (BSD).

Gagea reticulata (Pall.) Schult. & J.H. Schult.

In open places of mixed forests. *Fl. & Fr.*: February – June. *Selected specimen*: Bahraich, O.P. Misra 8014 (BSA).

Iphigenia indica (L.) A.Gray ex Kunth

In wastelands and forest floor. *Fl. & Fr.*: June – October. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1922 (BSD).

Smilacaceae

Smilax ocreata A.DC. (Vern.: *Ramdatun*)

In sal forests. *Fl. & Fr.*: Most parts of the year. *Selected specimens*: Gonda, K.K. Singh & team 6126 (LWG);

Kheri, J.K. Maheshwari & party EBH-326 (LWG); Pilibhit, C.L. Malhotra 42628 (BSD).

Smilax ovalifolia Roxb. ex D.Don (Vern.: *Ramdatun*)

In mixed forests. *Fl. & Fr.*: April – January. *Selected specimens*: Bahraich, K.K. Singh & team 6188 (LWG); Gonda, V. Chandra & party 12449 (LWG); Saharanpur, V. Chandra & party 42849 (LWG).

Smilax perfoliata Lour. (Vern.: *Banbasa, Ramdatun*)

In mixed forests and along river banks. *Fl. & Fr.*: February – December. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6620 (BSA); Gonda, K.K. Khanna 46026 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10552 (BSA).

Smilax wightii A.DC.

In mixed forests. *Fl. & Fr.*: September – January. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1787 (BSD).

Smilax zeylanica L.

In mixed and sal forests. *Fl. & Fr.*: November – April. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6360 (BSA); Balrampur, K.K. Khanna 68173 (BSA); Gonda, V. Chandra & party 12243 (LWG); Gorakhpur, C.M. Arora 1456 (BSA); Kheri, M.A. Rau 5387 (BSD); Maharajganj, S.L. Kapoor 20 (LWG); Pilibhit, C.L. Malhotra 50495 (BSD).

Pontederiaceae

Eichhornia crassipes (Mart.) Solms (Vern.: *Jalkumbhi*)

In ponds, lakes, ditches and other water reservoirs. *Fl. & Fr.*: April – December. *Selected specimens*: Bahraich, M.A. Rau 8736 (BSD); Bijnor, J.P. Sharma 67116 (BSD); Gonda, K.K. Khanna & Ram Saran 37124 (BSA); Gorakhpur, M.A. Rau 12196 (BSD); Kheri, C.L. Malhotra 31503 (BSD); Moradabad, C.M. Arora 37113 (BSD); Pilibhit, C.L. Malhotra 50596 (BSD); Saharanpur, C.L. Malhotra 22848 (BSD); Sant Kabir Nagar, K.K. Khanna 67999 (BSA); Shrivasti, Anand Prakash 220027 (LWG).

Monochoria hastata (L.) Solms

In water reservoirs. *Fl. & Fr.*: July – December. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6550 (BSA); Gonda, Harsukh 22837a (DD); Gorakhpur, Harsukh 22837b (DD); Pilibhit, C.L. Malhotra 50666 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1879 (DD); Sant Kabir Nagar, K.K. Khanna 67903A (BSA).

Monochoria vaginalis (Burm.f.) C.Presl

In ditches, ponds, puddles and paddy fields. *Fl. & Fr.*: July – February. *Selected specimens*: Bahraich, S.D. Maliya 214868 (LWG); Kheri, K.K. Singh & party 8489 (CDRI); Pilibhit, C.L. Malhotra 50954 (BSD); Sant Kabir Nagar, K.K. Khanna 68000 (BSA).

Commelinaceae

Commelina attenuata K.D.Koenig ex Vahl

In damp shady places of forests. *Fl. & Fr.*: July – October. *Selected specimen*: Kheri, K.K. Singh 7411 (CDRI).

Commelina benghalensis L. (Vern.: *Kankana*)

In moist places. *Fl. & Fr.*: July – November. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6351 (BSA); Bijnor, J.P. Sharma 67165 (BSD); Deoria, A.S. Singh & party 63707 (LWG); Kheri, C.L. Malhotra 23575 (BSD); Pilibhit, C.L. Malhotra 42356 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 305 (BSD); Sant Kabir Nagar, K.K. Khanna 65508 (BSA); Shrivasti, K.K. Khanna 48082 (BSA).

Commelina caroliniana Walter

In moist places. *Fl. & Fr.*: August – April. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6530 (BSA); Basti, K.K. Khanna 39809 (BSA); Bijnor, J.P. Sharma 70312 (BSD); Gonda, K.K. Khanna & Ram Saran 39114 (BSA); Gorakhpur, C.M. Arora 1427 (BSA); Kheri, C.L. Malhotra 13321 (BSD); Pilibhit, C.L. Malhotra 50837 (BSD); Sant Kabir Nagar, K.K. Khanna 67850 (BSA).

Commelina diffusa Burm.f.

In moist and marshy places. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6356 (BSA); Bijnor, J.P. Sharma 67223 (BSD); Gorakhpur, C.M. Arora 1419 (BSA).

Commelina erecta L.

In moist rocky places. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, Harsukh 22842 (DD); Saharanpur, J.V.S. Rao 38971 (BSD).

Commelina forsskalii Vahl

In moist places. *Fl. & Fr.*: August – December. *Selected specimens*: Balrampur, K.K. Khanna 59909 (BSA); Bijnor, J.P. Sharma 67223 (BSD); Gonda, K.K. Khanna & Ram Saran 39153 (BSA).

Commelina longifolia Lam. (Vern.: Jalpipri)

In marshy places. *Fl. & Fr.*: August – October. *Selected specimens*: Kheri, Inayat 23883 (DD); Pilibhit, C.L. Malhotra 42795 (BSD).

Commelina maculata Edgew. (Vern.: Kanjuna)

In moist shady places. *Fl. & Fr.*: July – October. *Selected specimens*: Bahraich, S.D. Maliya 223660 (LWG); Kheri, K.K. Singh 7513 (CDRI); Saharanpur, Y.S. Murty & A.K. Goel 1325 (BSD).

Commelina paludosa Blume

In shady places. *Fl. & Fr.*: October – January. *Selected specimen*: Gonda, K.K. Khanna & Ram Saran 39182 (BSA).

Commelina suffruticosa Blume

In moist shady places. *Fl. & Fr.*: August – November. *Selected specimens*: Kheri, C.L. Malhotra 22878 (BSD); Saharanpur, J.V.S. Rao 40112 (BSD); Sant Kabir Nagar, K.K. Khanna 65538, 65568 (BSA).

Cyanotis axillaris (L.) D. Don ex Sweet

In marshy places. *Fl. & Fr.*: August – January. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6308 (BSA); Balrampur, K.K. Khanna 54914 (BSA); Bijnor, J.P. Sharma 67204 (BSD); Gonda, K.K. Khanna & Ram Saran 39114 A (BSA); Gorakhpur, C.M. Arora 1500 (BSA); Kheri, K.K. Singh 7541 (CDRI); Pilibhit, C.L. Malhotra 42605 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 788 (BSD); Sant Kabir Nagar, K.K. Khanna 65555 (BSA).

Cyanotis cristata (L.) D. Don

In marshy places. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6352 (BSA), K.K. Khanna & Ram Saran 37611 (BSA); Balrampur, K.K. Khanna 54948 (BSA); Bijnor, V. Chandra & party 43974 (LWG); Gonda, K.K. Khanna & R. Saran 39189 (BSA); Kheri, U. Shukla 70043 (BSA); Pilibhit, C.L. Malhotra 42780 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 817 (BSD).

Murdannia edulis (Stokes) Faden

In moist places. *Fl. & Fr.*: April – June. *Selected specimens*: Gonda, Harsukh 22845 (DD); Kheri, K.K. Singh & party 4139 (CDRI); Pilibhit, Inayat 22845a (DD); Saharanpur, R.C. Bhardwaja 6960 (LWG).

Murdannia nudiflora (L.) Brenan (Vern.: Kankawwa)

In wet places. *Fl. & Fr.*: July – November. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6324 (BSA); Balrampur, K.K. Khanna 36847, 54996 (BSA); Gonda, K.K. Khanna & Ram Saran 39052 (BSA); Gorakhpur, M.A. Rau 12325 (BSD); Kheri, C.L. Malhotra 23583 (BSD); Pilibhit, C.L. Malhotra 50736 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 797 (BSD); Sant Kabir Nagar, K.K. Khanna 65549 (BSA); Shravasti, K.K. Khanna 48007 (BSA); Sitapur, S.L. Kapoor & party 64916 (LWG).

Murdannia spirata (L.) G. Brückner

Along streams in forests. *Fl. & Fr.*: October – January. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6597 (BSA); Pilibhit, C.L. Malhotra 42497 (BSD).

Juncaceae

Juncus bufonius L.

In wet and marshy places. *Fl. & Fr.*: February – April. *Selected specimens*: Bahraich, O.P. Misra 7795 (BSA); Bijnor, C.L. Malhotra 19598 (BSD); Kheri, G. Saran & party 26298 (LWG); Moradabad, C.L. Malhotra 20295 (BSD); Pilibhit, J.N. Vohra 58358 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1527 (BSD); Sant Kabir Nagar, K.K. Khanna 67902 (BSA); Sitapur, Hira Lal 19928 (LWG).

Juncus himalensis Klotzsch

In alluvial mud of forests. *Fl. & Fr.*: February – March. *Selected specimen*: Bahraich, G. Panigrahi & O.P. Misra 2746 (BSA).

Juncus prismatocarpus subsp. *leschenaultii* (Gay ex Laharpe) Kirschner

Along lake banks. *Fl. & Fr.*: October – May. *Selected specimen*: Gonda, G.S. Srivastava & party 61402 (LWG).

Arecaceae

Borassus flabellifer L. (Vern.: Tad)

Planted. *Fl. & Fr.*: March – October. Gorakhpur (Kanjilal, For. Fl. Pilibhit, Oudh, Gorakhp. & Bundelkh. 383. 1982, repr. ed.).

Calamus tenuis Roxb. (Vern.: Bent)

In swamps. *Fl. & Fr.*: July – December. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38625 (BSA), G. Panigrahi & O.P. Misra 6505 (BSA); Gonda, K.K. Khanna & Ram Saran 37319 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10551 (BSA); Kheri, K.K. Singh & party 7713 (CDRI); Shravasti, K.K. Khanna 48033 (BSA).

Phoenix acaulis Roxb. (Vern.: Khajuri)

In mixed forests. *Fl. & Fr.*: December – May. *Selected specimens*: Bahraich, V. Chandra & party 12150 (LWG); Balrampur, K.K. Khanna 68670 (BSA); Gonda, K.K. Singh & party 26243 (LWG); Kheri, C.L. Malhotra 31498 (BSD).

Phoenix loureiroi Kunth (Vern.: Chota khajur)

In open forests. *Fl. & Fr.*: October – April. *Selected specimens*: Bahraich, S.D. Maliya 223683 (LWG); Saharanpur, J.V.S. Rao 39957 (BSD).

Phoenix sylvestris (L.) Roxb.

In wastelands and mixed forests. *Fl. & Fr.*: December – June. *Selected specimen*: Gonda, V. Chandra & party 12498 (LWG).

Wallichia oblongifolia Griff.

In dense forests. *Fl. & Fr.*: May – July. Bahraich (Kanjilal, For. Fl. Pilibhit, Oudh, Gorakhp. & Bundelkh. 382. 1982); Gonda (Duthie, Fl. Gangetic Plain 3: 289. 1929).

Typhaceae

Typha angustifolia L. (Vern.: *Patera*)

In marshy places. *Fl. & Fr.*: July – April. *Selected specimens*: Bahraich, S.D. Maliya 225966 (LWG); Balrampur, K.K. Khanna & Ram Saran 37248 (BSA); Bijnor, V. Chandra & party 43991 (LWG); Gorakhpur, B.N. Mehrotra & party 1313 (CDRI); Kheri, C.L. Malhotra 31499 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 115 (BSD); Sant Kabir Nagar, K.K. Khanna 67995 (BSA); Shahjahanpur, G. Saran & party 11985 (LWG).

Typha elephantina Roxb.

In marshy places. *Fl. & Fr.*: August – March. *Selected specimens*: Bijnor, C.L. Malhotra 20273 (BSD); Kheri, G. Saran & party 26151 (LWG); Pilibhit, C.L. Malhotra 50503 (BSD).

Sparganiaceae

Sparganium erectum L. (Vern.: *Bur-weed*)

In shallow stagnant water. *Fl. & Fr.*: February – May. *Selected specimens*: Bahraich, G. Panigrahi 2847 (BSA); Sant Kabir Nagar, K.K. Khanna 68599 (BSA).

Araceae

Acorus calamus L. (Vern.: *Bach*)

In marshy places. *Fl. & Fr.*: November – February. *Selected specimens*: Gonda, Gupta, Singh & team 9430 (LWG); Kheri, K.K. Singh 8406 (CDRI).

Alocasia macrorrhizos (L.) G. Don

Cultivated. *Fl. & Fr.*: August – December. *Selected specimen*: Bahraich, S.D. Maliya 214843 (LWG).

Amorphophallus margaritifer (Roxb.) Kunth (Vern.: *Kharhar*)

In moist shady places. *Fl. & Fr.*: June – October. *Selected specimens*: Balrampur, Duthie, s.n. (DD); Kheri, K.K. Singh & party 4137 (CDRI).

Amorphophallus paeoniifolius (Dennst.) Nicolson

In moist shady places. *Fl. & Fr.*: July – December. *Selected specimen*: Bahraich, S.D. Maliya 214842 (LWG).

Arisaema tortuosum (Wall.) Schott (Vern.: *Jhagpapi*)

In moist shady places. *Fl. & Fr.*: September – November. *Selected specimens*: Gonda, Gupta, Singh & team 9413 (LWG); Kheri, K.K. Singh 7398 (CDRI).

Colocasia esculenta (L.) Schott (Vern.: *Ghuian*)

Cultivated throughout the region. *Fl. & Fr.*: July – October. *Selected specimens*: Kheri, J.K. Maheshwari & party EBH-116 (LWG); Saharanpur, Y.S. Murty & A.K. Goel 711 (BSD); Sant Kabir Nagar, K.K. Khanna 67851 (BSA).

Pistia stratiotes L.

In ponds, lakes and tanks. *Fl. & Fr.*: July – November. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6548 (BSA); Kheri, K.K. Singh & party 7830 (CDRI); Sant Kabir Nagar, K.K. Khanna 67852 (BSA).

Remusatia vivipara (Roxb.) Schott

In shady places. *Fl. & Fr.*: July – December. North Oudh (Duthie, Fl. Gangetic Plain 3: 303. 1929).

Rhaphidophora glauca (Wall.) Schott

In mixed forests. *Fl. & Fr.*: August – November. Kheri (Kanjalal, For. Fl. Pilibhit, Oudh, Gorakhp. & Bundelkh. 387. 1982, repr. ed.).

Sauromatum venosum (Dryand. ex Aiton) Kunth

In moist shady places. *Fl. & Fr.*: March – April. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 869 (BSD).

Scindapsus officinalis (Roxb.) Schott

In sal forests. *Fl. & Fr.*: April – November. *Selected specimens*: Gorakhpur, K.K. Singh & party 6917 (LWG); Kheri, U. Shukla 70099 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 690 (BSD).

Typhonium trilobatum (L.) Schott

In moist places. *Fl. & Fr.*: July – October. *Selected specimen*: Gorakhpur, K.K. Singh & party 6930 (LWG).

Lemnaceae

Lemna perpusilla Torr. (Vern.: *Chowpatti*)

In ponds and puddles. *Fl. & Fr.*: April – November. *Selected specimens*: Saharanpur, Y.S. Murty & A.K. Goel 1447 (BSD); Sant Kabir Nagar, K.K. Khanna 67957 (BSA).

Spirodela polyrrhiza (L.) Schleid.

In stagnant water. *Fl. & Fr.*: January – April. *Selected specimens*: Bijnor, C.L. Malhotra 20229 (BSD); Sant Kabir Nagar, K.K. Khanna 67855 (BSA).

Wolffia arrhiza (L.) Horkel ex Wimm.

In stagnant water. *Fl. & Fr.*: September – October. *Selected specimen*: Sant Kabir Nagar, K.K. Khanna 67856 (BSA).

Alismataceae

Alisma plantago-aquatica L.

In ponds and lakes. *Fl. & Fr.*: November – May. *Selected specimen*: Kheri, U. Shukla 70046 (BSD).

Caldesia oligococca (F.v.Muell.) Buchenau

In ponds. *Fl. & Fr.*: September – November. *Selected specimen*: Bahraich, G. Panigrahi & O.P. Misra 6549 (BSA).

Caldesia parnassifolia (L.) Parl.

In ponds. *Fl. & Fr.*: April – October. *Selected specimens*: Bahraich, Inayat 23889 (DD); Kheri, K.K. Singh 7555 (CDRI); Pilibhit, Inayat 22841 (DD).

Limnophyton obtusifolium (L.) Miq.

In lakes. *Fl. & Fr.*: October – March. *Selected specimen*: Sant Kabir Nagar, K.K. Khanna 67994 (BSA).

Sagittaria guayanensis Humb., Bonpl. & Kunth subsp. *lappula* (D. Don) Bogin

In ponds and puddles. *Fl. & Fr.*: June – October. *Selected specimens*: Balrampur, K.K. Khanna 59986 (BSA); Kheri, K.K. Singh & party 7484 (CDRI); Pilibhit, C.L. Malhotra 50975 (BSD); Saharanpur, Y.S. Murty & A.K. Goel s.n. (BSD); Sant Kabir Nagar, K.K. Khanna 68581 (BSA).

Sagittaria sagittifolia L.

In ponds. *Fl. & Fr.*: September – October. *Selected specimen*: Bahraich, G. Panigrahi 2846 (BSA).

Sagittaria trifolia L.

In ponds and ditches. *Fl. & Fr.*: October – April. *Selected specimens*: Bahraich G. Panigrahi 2846 (BSA), G. Panigrahi & O.P. Misra 6573 (BSA); Gonda, G. Saran & party 61437 (LWG); Gorakhpur, Harsukh 22834 (DD); Kheri, C.L. Malhotra 31492 (BSD); Pilibhit, C.L. Malhotra 40218 (LWG); Saharanpur, J.N. Vohra 11330 (BSD); Sant Kabir Nagar, K.K. Khanna 68502, 68600 (BSA); Sitapur, Puttilal 89548 (LWG).

Limnocharitaceae

Butomopsis latifolia (D. Don) Kunth

In ponds, puddles, lakes and paddy fields. *Fl. & Fr.*: September – February. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6625 (BSA); Deoria, J.K. Joshi & party 11797 (CDRI); Kheri, C.L. Malhotra 13338 (BSD); Moradabad, T. Thomson s.n. (DD); Sant Kabir Nagar, K.K. Khanna 67956 (BSA).

Najadaceae

Najas graminea Delile

In ponds and lakes. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6571 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10750 (BSA); Sant Kabir Nagar, K.K. Khanna 65513, 68547 (BSA).

Najas indica (Willd.) Cham.

In lakes. *Fl. & Fr.*: September – February. Sant Kabir Nagar (Singh and Semwal in J. Econ. Taxon. Bot. 33: 927. 2009).

Najas minor All.

In ponds and lakes. *Fl. & Fr.*: November – March. *Selected specimen*: Bahraich, G. Panigrahi 6312 (BSA).

Aponogetonaceae

Aponogeton crispus Thunb.

In ponds and lakes. *Fl. & Fr.*: July – August. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Mishra 6604 (BSA); Gonda, K.K. Khanna & Ram Saran 39256 (BSA).

Aponogeton natans (L.) Engl. & K.Krause

In ponds and lakes. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6301 (BSA); Sant Kabir Nagar, K.K. Khanna 67993 (BSA).

Aponogeton undulatus Roxb.

In ponds and lakes. *Fl. & Fr.*: July – November. *Selected specimens*: Gorakhpur, C.M. Arora 1431 (BSA); Kheri, C.L. Malhotra 23603 (BSD); Moradabad, C.M. Arora 37112 (BSD); Pilibhit, C.L. Malhotra 42792 (BSD); Sant Kabir Nagar, K.K. Khanna 65522 (BSA).

Potamogetonaceae

Potamogeton crispus L.

In ponds and lakes. *Fl. & Fr.*: February – April. *Selected specimens*: Bahraich, G. Panigrahi 2933 (BSA); Balrampur, K.K. Khanna 68688 (BSA); Bijnor, C.L. Malhotra 20230 (BSD); Moradabad, T. Thomson s.n. (DD); Saharanpur, Y.S. Murty & A.K. Goel 542 (BSD); Sant Kabir Nagar, K.K. Khanna 65511, 65600, 68528 (BSA); Shahjahanpur, R.P. Singh 19972 (LWG).

Potamogeton nodosus Poir.

In ponds and lakes. *Fl. & Fr.*: November – April. *Selected specimens*: Bahraich, G. Panigrahi 2825 (BSA), G. Panigrahi & O.P. Misra 6652A (BSA); Sant Kabir Nagar, K.K. Khanna 65504, 68501, 68568 (BSA); Shravasti, K.K. Khanna 65644 (BSA).

Potamogeton pectinatus L.

In ponds and lakes. *Fl. & Fr.*: November – March. *Selected specimens*: Bahraich, Hira Lal 16476 (LWG); Basti, A. Singh & party 63647 (LWG); Kheri, G. Saran & party 26160 (LWG); Moradabad, C.M. Arora 37112 (BSD); Pilibhit, C.L. Malhotra 47292 (BSD); Sant Kabir Nagar, K.K. Khanna 67955 (BSA).

Zannichelliaceae

Zannichellia palustris L.

In ponds and lakes. *Fl. & Fr.*: October – March. *Selected specimens*: Bahraich, G. Panigrahi 2724 (BSA); Sant Kabir Nagar, K.K. Khanna 65505 (BSA).

Eriocaulaceae

Eriocaulon cinereum R.Br.

Along edges of ponds and lakes. *Fl. & Fr.*: October – January. *Selected specimens*: Gorakhpur, C.M. Arora 1475 (BSA); Moradabad, Acc. No. 33444 (DD); Pilibhit, C.L. Malhotra 42502 (BSD); Saharanpur, V. Chandra &

party 42764 (LWG); Sant Kabir Nagar, K.K. Khanna 67953 (BSA).

Eriocaulon pseudoquinquangulare Ruhland

In marshy places. *Fl. & Fr.*: October – November. Saharanpur (Duthie, Fl. Gangetic Plain 3: 320. 1929).

Eriocaulon quinquangulare L.

In marshy places near lakes. *Fl. & Fr.*: September – December. *Selected specimen*: Sant Kabir Nagar, K.K. Khanna 67954 (BSA).

Eriocaulon trilobum Buch.-Ham. ex Koern.

In moist places and paddy fields. *Fl. & Fr.*: October – January. Shahjahanpur (Duthie, Fl. Gangetic Plain 3: 319. 1929).

Cyperaceae

Actinoscirpus grossus (L.f.) Goetgh. & D.A.Simpson

In paddy fields. *Fl. & Fr.*: August – October. *Selected specimen*: Gonda, K.K. Khanna 46023 (BSA).

Bolboschoenus glaucus (Lam.) S.G.Sm.

In marshy places near ponds and lakes. *Fl. & Fr.*: February – June. *Selected specimens*: Bahraich, O.P. Misra 7761 (BSA); Balrampur, K.K. Khanna & Ram Saran 37271 (BSA); Gorakhpur, D.C. Saini 11357 (BSIP); Sant Kabir Nagar, K.K. Khanna 67868 (BSA).

Bolboschoenus maritimus (L.) Palla

subsp. *affinis* (Roth) T.Koyama

In moist places. *Fl. & Fr.*: February – June. *Selected specimen*: Pilibhit, C.L. Malhotra 40202 (CAL).

subsp. *maritimus*

In moist and marshy places. *Fl. & Fr.*: February – June. *Selected specimens*: Bahraich, Inayat 23897 (DD), Gonda, G. Saran & party 61413 (LWG); Gorakhpur, Harsukh 22865(b) (DD); Kheri, G. Saran & party 26460 (LWG); Moradabad, C.L. Malhotra 20324 (BSD); Pilibhit, Inayat 22865(a) (DD); Sitapur, G. Saran & party 26830 (LWG).

Bulbostylis barbata (Rottb.) C.B.Clarke (Vern.: Musadadhi)

Along the banks of ponds and in cultivated fields. *Fl. & Fr.*: July – December. *Selected specimens*: Bahraich, V. Chandra & party 12275 (LWG); Kheri, C.L. Malhotra 23605 (BSD); Pilibhit, C.L. Malhotra 50438 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 851 (BSD); Sitapur, G.S. Srivastava 22186 (LWG).

Bulbostylis densa (Wall.) Hand.-Mazz.

In moist places. *Fl. & Fr.*: July – October. *Selected specimen*: Saharanpur, Duthie 5005 (CAL).

Carex cruciata Wahlenb.

In moist shady places. *Fl. & Fr.*: August – January. *Selected specimens*: Gonda, V. Chandra & party s.n. (LWG); Saharanpur, Y.S. Murty & A.K. Goel 1758 (BSD).

Carex fedia Nees

In marshy places. *Fl. & Fr.*: February – April. *Selected specimens*: Bahraich, O.P. Misra 7983 (CAL); Kheri, J.K. Maheshwari & party EBH-401 (LWG); Pilibhit, Sri Ram 46490 (DD); Saharanpur, Y.S. Murty & A.K. Goel 2143 (BSD); Sant Kabir Nagar, K.K. Khanna 67875 (BSA).

Carex filicina Nees

In swampy places. *Fl. & Fr.*: May – August. *Selected specimen*: Bahraich, V. Chandra & party 12308 (LWG).

Carex heterostachya Bunge

Along the banks of ponds and lakes. *Fl. & Fr.*: March – August. *Selected specimens*: Bahraich, S.D. Maliya 224990 (LWG); Gonda, G. Saran & party 61435 (LWG);

Kheri, G. Saran & party 26391 (LWG); Sitapur, G. Saran & party 26799 (LWG).

Carex myosurus Nees

In moist shady places. *Fl. & Fr.*: August – December. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 458 (BSD).

Carex phacota Spreng.

Along the banks of ponds. *Fl. & Fr.*: March – April. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 2720 (CAL); Kheri, Inayat 22886 (CAL).

Carex spicata Huds.

In marshy places. *Fl. & Fr.*: February – April. *Selected specimen*: Sitapur, Ram Pratap 19946 (LWG).

Carex wallichiana Spreng. (Vern.: *Pan motha*)

In marshy places. *Fl. & Fr.*: February – April. *Selected specimens*: Bahraich, O.P. Misra 7983 (BSA); Balrampur, K.K. Khanna & Ram Saran 37312 (BSA); Bijnor, C.L. Malhotra 20262 (BSD); Gonda, Sri Ram Acc. No. 46491 (DD); Kheri, C.L. Malhotra 31490 (BSD); Pilibhit, Sri Ram Acc. No. 46490 (DD); Saharanpur, Y.S. Murty & A.K. Goel 2143 (BSD).

Courtoisina cyperoides (Roxb.) Soják

In moist places of cultivated fields and along ponds. *Fl. & Fr.*: October – February. *Selected specimen*: Gonda, Sri Ram Acc. No. 46411 (DD).

Cyperus alopecuroides Rottb.

In marshy places of ponds and lakes. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, M.A. Rau 8139 (BSD); Sant Kabir Nagar, K.K. Khanna 67857 (BSA).

Cyperus alulatus J.Kern

Along ponds and lakes. *Fl. & Fr.*: August – October. *Selected specimens*: Kheri, C.L. Malhotra 23560 (BSD); Pilibhit, C.L. Malhotra 50493 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1724 (BSD); Sant Kabir Nagar, K.K. Khanna 67859 (BSA).

Cyperus castaneus Willd.

In marshy places. *Fl. & Fr.*: August – October. Bahraich (Saini in J. Econ. Taxon. Bot. 29 (4): 894. 2005).

Cyperus cephalotes Vahl

Along lake banks. *Fl. & Fr.*: March – April. *Selected specimen*: Sant Kabir Nagar, K.K. Khanna 67983 (BSA).

Cyperus compactus Retz.

In moist places. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37620 (BSA), G. Panigrahi & O.P. Misra 6574 (BSA); Kheri, C.L. Malhotra 22863 (BSD); Pilibhit, C.L. Malhotra 42672 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1862 (BSD); Sant Kabir Nagar, K.K. Khanna 67867 (BSA); Shravasti, K.K. Khanna 48022 (BSA).

Cyperus compressus L.

In muddy places of ponds and lakes. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, O.P. Misra 6426 (BSA); Deoria, A. Singh & party 63735 (LWG); Gorakhpur, M.A. Rau 12304 (CAL); Kheri, C.L. Malhotra 23544 (BSD); Pilibhit, C.L. Malhotra 50434 (BSD); Saharanpur, Jameson 119 (DD).

Cyperus corymbosus Rottb.

In marshy places. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, M.A. Rau 8167 (CAL); Gonda, Inayat 23891 (DD); Gorakhpur, C.L. Malhotra 12191 (CAL); Sant Kabir Nagar, K.K. Khanna 67860 (BSA).

Cyperus cuspidatus Kunth

In moist places. *Fl. & Fr.*: August – November. *Selected specimens*: Gonda, G. Saran & party 61409 (LWG); Saharanpur, Duthie 1843 (DD).

Cyperus cyperoides (L.) Kuntze

In grassy places and along roadsides. *Fl. & Fr.*: July – September. *Selected specimens*: Balrampur, K.K. Khanna 59970 (BSA); Gonda, K.K. Khanna & Ram Saran 37309 (CAL); Saharanpur, Y.S. Murty & A.K. Goel 286 (BSD).

Cyperus difformis L.

In moist places near ponds and lakes. *Fl. & Fr.*: July – January. *Selected specimens*: Bahraich, O.P. Misra 7797 (BSA); Balrampur, K.K. Khanna 46057 (BSA); Basti, K.K. Khanna 39827 (BSA); Gonda, K.K. Khanna & Ram Saran 39068 (BSA); Moradabad, W.B. Turrill 282 (DD); Pilibhit, C.L. Malhotra 42444 (BSD); Saharanpur, V. Chandra & party 42739 (LWG); Sant Kabir Nagar, K.K. Khanna 67997 (BSA); Shravasti, K.K. Khanna 65650 (BSA).

Cyperus digitatus Roxb. (Vern.: *Montha*)

In swamps and paddy fields. *Fl. & Fr.*: May – December. *Selected specimens*: Bahraich, Sri Ram Acc. No. 46423 (DD); Gonda, Sri Ram Acc. No. 46418 (DD); Pilibhit, C.L. Malhotra 50672 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1915 (BSD).

Cyperus distans L.f.

In muddy places of drains and ponds. *Fl. & Fr.*: July – October. *Selected specimens*: Bahraich, Sri Ram Acc. No. 46444 (DD), S.D. Maliya 223616 (LWG); Balrampur, K.K. Khanna 68172 (BSA); Bijnor, V. Chandra & party 43826 (LWG); Pilibhit, C.L. Malhotra 50492 (CAL).

Cyperus dubius Rottb.

In wastelands. *Fl. & Fr.*: October – November. *Selected specimen*: Bijnor, V. Chandra & team 44097 (LWG).

Cyperus elatus L.

In moist places. *Fl. & Fr.*: March – May. Basti (Saini & Singh in J. Econ. Taxon. Bot. 14: 100. 1990).

Cyperus exaltatus Retz. (Vern.: *Chhota bhaad*)

Along ponds, ditches and lakes. *Fl. & Fr.*: August – October. *Selected specimens*: Bahraich, Sri Ram Acc. No. 46421 (DD); Bijnor, V. Chandra & party 43993 (LWG); Pilibhit, C.L. Malhotra 50650 (BSD); Sant Kabir Nagar, K.K. Khanna 67861 (BSA); Sitapur, G. Saran & party 26753 (LWG).

Cyperus haspan L. (Vern.: *Phulna ghass*)

In moist places and paddy fields. *Fl. & Fr.*: August – September. *Selected specimens*: Bahraich, Sri Ram 126 (DD); Gonda, U. Kanjilal Acc. No. 46426 (DD); Kheri, Sri Ram Acc. No. 46431 (DD); Pilibhit, C.L. Malhotra 42652 (BSD), Hira Lal 2054 (LWG).

Cyperus imbricatus Retz.

In muddy places. *Fl. & Fr.*: July – August. *Selected specimen*: Gorakhpur, M.A. Rau 12315 (BSD).

Cyperus involucratus Rottb.

Planted in gardens. *Fl. & Fr.*: October – January. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1281 (BSD).

Cyperus iria L.

Along ponds, ditches and lakes. *Fl. & Fr.*: July – November. *Selected specimens*: Bahraich, Sri Ram Acc. No. 46422 (DD); Gonda, K.K. Khanna & Ram Saran 37154 (BSA); Pilibhit, C.L. Malhotra 50834 (BSD); Saharanpur, V. Chandra & party 42763 (LWG); Sant Kabir Nagar, K.K. Khanna 67862 (BSA).

Cyperus laevigatus L.

Along lakes. *Fl. & Fr.*: July – September. *Selected specimen*: Sant Kabir Nagar, K.K. Khanna 67866 (BSA).
Cyperus michelianus (L.) Delile
 subsp. ***michelianus***
 In cultivated fields. *Fl. & Fr.*: August – October. *Selected specimens*: Kheri, Inayat 22864 (DD); Moradabad, H.B. Naithani 145260 (DD).
 subsp. ***pygmaeus*** (Rottb.) Asch. & Graebn.
 Along ponds, ditches and lakes. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, K.K. Khanna 39890 (BSA); Balrampur, K.K. Khanna & Ram Saran 37331 (BSA); Gonda, K.K. Khanna 46006 (BSA); Kheri, C.L. Malhotra 31536 (BSD); Pilibhit, C.L. Malhotra 38398 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 208 (BSD); Sant Kabir Nagar, K.K. Khanna 67991 (BSA); Sitapur, G. Saran & party 26780 (LWG).
Cyperus niveus Retz.
 Along roadsides and on the outskirts of forests. *Fl. & Fr.*: February – July. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 39895 (BSA); Balrampur, K.K. Khanna & Ram Saran 37217 (BSA); Gonda, Harsukh 22855(c) (DD); Gorakhpur, Harsukh 22855(d) (DD); Kheri, Inayat 22855 (DD); Pilibhit, Inayat 26015 (DD); Sitapur, G. Saran & party 26326 (LWG).
Cyperus nutans Vahl
 In marshy places. *Fl. & Fr.*: August – September. *Selected specimens*: Bahraich, V. Chandra & party 12239 (LWG); Kheri, Tariq Hussain 217283 (LWG); Pilibhit, C.L. Malhotra 50652 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 394 (BSD).
Cyperus pangorei Rottb.
 In marshy places. *Fl. & Fr.*: August – January. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 37324 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 1355 (BSD).
Cyperus paniceus (Rottb.) Boeck. (Vern.: *Badi bhada*)
 In moist places of grassy fields. *Fl. & Fr.*: July – November. *Selected specimens*: Bahraich, Rampher 16682 (LWG); Gonda, M.A. Rau 12088 (BSD); Kheri, C.L. Malhotra 22887 (BSD); Pilibhit, C.L. Malhotra 50479 (BSD); Saharanpur, R.C. Bhardwaj & J.G. Srivastava 6980 (LWG).
Cyperus pilosus Vahl
 In moist places. *Fl. & Fr.*: September – October. *Selected specimen*: Pilibhit, C.L. Malhotra 50774 (BSD).
Cyperus platystylis R.Br. (Vern.: *Paani ki bhadayee*)
 In muddy places of ponds and lakes. *Fl. & Fr.*: May – February. *Selected specimens*: Bahraich, C.L. Malhotra 23673 (BSD); Balrampur, K.K. Khanna 65317 (BSA); Gonda, J.K. Maheswari 81574 (LWG); Kheri, Sri Ram Acc. No. 46433 (DD); Sant Kabir Nagar, K.K. Khanna 68515, 68588 (BSA).
Cyperus procerus Rottb.
 In marshy places. *Fl. & Fr.*: August – November. *Selected specimens*: Pilibhit, C.L. Malhotra 42491 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1887 (BSD).
Cyperus pulcherrimus Willd. ex Kunth
 In moist places. *Fl. & Fr.*: August – October. *Selected specimen*: Bahraich, K.K. Khanna & Ram Saran 38595 (BSA).
Cyperus rotundus L. (Vern.: *Motha*)
 In moist places. *Fl. & Fr.*: July – December. *Selected specimens*: Bahraich, K.K. Khanna 39925 (BSA); Balrampur, K.K. Khanna & Ram Saran 37155 (BSA); Basti, K.K. Khanna 39299 (BSA); Bijnor, Chandra & party 44017 (LWG); Deoria, A. Singh & party 63712 (LWG); Gorakhpur, M.A. Rau 12306 (BSD); Kheri, Inayat 22859 (DD); Pilibhit, C.L. Malhotra 40206 (BSD); Saharanpur, V. Chandra & party 42782 (LWG); Sant Kabir Nagar, K.K. Khanna 65537 (BSA); Shravasti, K.K. Khanna 48057, 48068 (BSA).
Cyperus silletensis Nees (Vern.: *Bhadayee ghash*)
 Along ponds. *Fl. & Fr.*: October – February. *Selected specimens*: Kheri, C.L. Malhotra 22883 (BSD), Sri Ram Acc. No. 46431 (DD); Pilibhit, C.L. Malhotra 42896 (BSD).
Cyperus squarrosus L.
 In marshy places. *Fl. & Fr.*: September – November. *Selected specimen*: Moradabad, T. Thomson s.n. (DD).
Cyperus tenuispica Steud.
 In moist places. *Fl. & Fr.*: November – February. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38608 (BSA); Pilibhit, C.L. Malhotra 42653 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1866 (BSD).
Eleocharis acicularis (L.) Roem. & Schult.
 In wetlands. *Fl. & Fr.*: August – November. Basti (Saini & Singh in J. Econ. Taxon. Bot. 14: 102. 1990).
Eleocharis acutangula (Roxb.) Schult.
 In marshy places of ponds and lakes. *Fl. & Fr.*: September – December. *Selected specimens*: Basti, D.C. Saini 11350 (BSIP); Kheri, Inayat 22882 (CAL); Sant Kabir Nagar, K.K. Khanna 67863 (BSA).
Eleocharis atropurpurea (Retz.) J.Presl & C.Presl
 In muddy places of ponds and lakes. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, O.P. Misra 6632A (BSA); Balrampur, K.K. Khanna 46059 (BSA); Gonda, K.K. Khanna & Ram Saran 37272 (BSA); Kheri, C.L. Malhotra 13335 (BSD); Pilibhit, C.L. Malhotra 42441 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 206 (BSD); Sant Kabir Nagar, K.K. Khanna 67864 (BSA); Sitapur, S.L. Kapoor & party 64912 (LWG).
Eleocharis congesta D.Don
 In paddy fields. *Fl. & Fr.*: September – December. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 204 (BSD).
Eleocharis dulcis (Burm.f.) Trin. ex Hensch.
 In paddy fields and swampy places. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, S.D. Maliya 214874 (LWG); Pilibhit, C.L. Malhotra 42579 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 705 (BSD); Sant Kabir Nagar, K.K. Khanna 67952 (BSA); Sitapur, R.P. Singh 19940 (LWG).
Eleocharis geniculata (L.) Roem. & Schult.
 Along ponds. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, C.L. Malhotra 26712 (BSD), G. Panigrahi & O.P. Misra 6555 (BSA).
Eleocharis palustris (L.) Roem. & Schult. (Vern.: *Narai ghash*)
 In marshy places of ponds and lakes. *Fl. & Fr.*: December – July. *Selected specimens*: Bahraich, G. Panigrahi 2886 (BSA); Gorakhpur, Sri Ram Acc. No. 46408 (DD); Kheri, Sri Ram Acc. No. 46409 (DD); Moradabad, C.L. Malhotra 20325 (BSD); Pilibhit, J.N. Vohra 58372 (BSD); Saharanpur, Y.S. Murty & A.K. Goel, 2148 (BSD); Sant Kabir Nagar, K.K. Khanna 67903 (BSA); Sitapur G.S. Srivastava 19941 (LWG).
Eriophorum comosum (Wall.) Nees
 On sandy slopes. *Fl. & Fr.*: July – November. *Selected specimens*: Saharanpur, Y.S. Murty & A.K. Goel 361 (BSD), A.E. Osmaston 1339 (DD); Shravasti, K.K. Khanna 59926 (BSA).

Fimbristylis aestivalis (Retz.) Vahl

In moist sandy places along ponds and lakes. *Fl. & Fr.*: February – July. *Selected specimens*: Bahraich, V. Chandra & party 12421 (LWG); Sant Kabir Nagar, K.K. Khanna 67996 (BSA).

Fimbristylis aphylla Steud.

In moist places. *Fl. & Fr.*: August – November. *Selected specimen*: Pilibhit, C.L. Malhotra 50507 (BSD).

Fimbristylis argentea (Rottb.) Vahl

Near marshy places. *Fl. & Fr.*: September – October. Basti (Saini & Singh in J. Econ. Taxon. Bot. 14: 102. 1990).

Fimbristylis bisumbellata (Forssk.) Bubani

In moist places, cultivated fields and near ponds. *Fl. & Fr.*: July – February. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38722, 39891 (BSA); Balrampur, K.K. Khanna 46090 (BSA); Gonda, K.K. Khanna & Ram Saran 39086, 39116 (BSA), K.K. Khanna 46007, 46014 (BSA); Kheri, C.L. Malhotra 31505 (BSD); Pilibhit, C.L. Malhotra 40273 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 15 (BSD); Sant Kabir Nagar, K.K. Khanna 67951 (BSA); Sitapur, G. Saran & party 26791 (LWG).

Fimbristylis dichotoma (L.) Vahl

subsp. ***dichotoma***

In moist wastelands, cultivated fields and along ponds. *Fl. & Fr.*: July – February. *Selected specimens*: Bahraich, O.P. Misra 6379 (BSA); Balrampur, K.K. Khanna & Ram Saran 37243 (BSA); Bijnor, V. Chandra & party 44163 (LWG); Gonda, K.K. Khanna & Ram Saran 37284 (BSA); Gorakhpur, M.A. Rau 12333 (BSD); Kheri, C.L. Malhotra 22884 (BSD); Pilibhit, C.L. Malhotra 50878 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 791 (BSD); Sant Kabir Nagar, K.K. Khanna 67985 (BSA); Sitapur, G. Saran & party 26420 (LWG).

subsp. ***podocarpa*** (Nees) T.Koyama

On the outskirts of forests. *Fl. & Fr.*: July – October. *Selected specimens*: Gonda, J.K. Maheshwari 81569 (LWG); Pilibhit, C.L. Malhotra 50927 (BSD).

Fimbristylis falcata (Vahl) Kunth

Along forest roads and in grassy fields. *Fl. & Fr.*: July – September. *Selected specimens*: Bahraich, V. Chandra & party 12373 (LWG); Balrampur, K.K. Khanna & Ram Saran 37283 (BSA); Gonda, K.K. Khanna 46005 (BSA); Saharanpur, Y.S. Murty & A.K. Goel 228 (BSD).

Fimbristylis ferruginea (L.) Vahl

Along the banks of ponds, canals and lakes. *Fl. & Fr.*: July – October. *Selected specimens*: Balrampur, K.K. Khanna & Ram Saran 37284 (BSA); Pilibhit, C.L. Malhotra 50504 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 44 (BSD); Sant Kabir Nagar, K.K. Khanna 67865 (BSA).

Fimbristylis hookeriana Boeck.

In moist places. *Fl. & Fr.*: August – September. Basti (Saini & Singh in J. Econ. Taxon. Bot. 14: 102. 1990).

Fimbristylis littoralis Gaud.

In swampy places. *Fl. & Fr.*: July – September. *Selected specimens*: Bahraich, Hiralal 16530 (LWG); Bijnor, V. Chandra & party 43985 (LWG); Moradabad, T. Thomson 281 (DD); Pilibhit, Sri Ram Acc. No. 46447 (DD); Saharanpur, V. Chandra & party 42766 (LWG).

Fimbristylis ovata (Burm.f.) J.Kern

In moist places. *Fl. & Fr.*: July – September. *Selected specimens*: Bahraich, V. Chandra & party 12141 (LWG), O.P. Misra 6440 (BSA); Balrampur, K.K. Khanna &

Ram Saran 37236 (BSA); Pilibhit, C.L. Malhotra 50450 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 611 (BSD).

Fimbristylis polytrichoides (Retz.) Vahl

In wetlands. *Fl. & Fr.*: August – October. Basti (Saini & Singh in J. Econ. Taxon. Bot. 14: 103. 1990).

Fimbristylis quinquangularis (Vahl) Kunth

Along ponds, ditches and lakes. *Fl. & Fr.*: July – December. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38650 (BSA), G. Panigrahi & O.P. Misra 6598 (BSA); Bijnor, V. Chandra & party 44162 (LWG); Kheri, C.L. Malhotra 23579 (BSD); Pilibhit, C.L. Malhotra 50744 (BSD); Saharanpur, Duthie 5009 (DD); Sant Kabir Nagar, K.K. Khanna 67990 (BSA); Sitapur, S.L. Kapoor & party 64914 (LWG).

Fimbristylis rigidula Nees

In marshy places. *Fl. & Fr.*: July – September. *Selected specimens*: Bahraich, S.D. Maliya 223696 (LWG); Bijnor, Acc. No. 45740 (LWG); Kheri, Inayat 23895 (DD).

Fimbristylis schoenoides (Retz.) Vahl

In muddy places of ponds and paddy fields. *Fl. & Fr.*: July – October. *Selected specimens*: Basti, K.K. Khanna 39283 (BSA); Deoria, A. Singh & party 63695 (LWG); Pilibhit, C.L. Malhotra 50871 (BSD); Saharanpur, R.N. Parker Acc. No. 44862 (DD).

Fimbristylis squarrosa Vahl

In marshy places. *Fl. & Fr.*: May – June. *Selected specimen*: Pilibhit, C.L. Malhotra 40214 (BSD).

Fimbristylis tenera Schult.

var. ***oxylepis*** (Steud.) C.B. Clarke

Along ponds and canals. *Fl. & Fr.*: July – October. *Selected specimen*: Pilibhit, C.L. Malhotra 50875 (CAL).

var. ***tenera***

In moist places. *Fl. & Fr.*: July – November. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 783 (BSD).

Fimbristylis tetragona R.Br.

In marshy places and along ponds. *Fl. & Fr.*: July – December. *Selected specimen*: Saharanpur, V. Chandra & party 42729 (LWG).

Fuirena umbellata Rottb.

In moist places. *Fl. & Fr.*: October – February. *Selected specimens*: Pilibhit, C.L. Malhotra 50682 (BSD), Sri Ram Acc. No. 46413 (DD).

Kyllinga brevifolia Rottb.

In moist places. *Fl. & Fr.*: July – February. *Selected specimens*: Bahraich, K.K. Khanna 39829A (BSA); Balrampur, K.K. Khanna 54983, 54995, 65311 (BSA), K.K. Khanna & Ram Saran 37237 (BSA); Basti, K.K. Khanna 39280; 39281 (BSA); Bijnor, V. Chandra & party 43822 (LWG); Gonda, K.K. Khanna, 46010 (BSA); Kheri, G. Saran & party 26389 (LWG); Pilibhit, C.L. Malhotra 50822 (CAL); Sant Kabir Nagar, K.K. Khanna 65533 (BSA).

Kyllinga melanosperma Nees

In marshy places. *Fl. & Fr.*: July – December. *Selected specimen*: Bahraich, Rampher 16620 (LWG).

Kyllinga nemoralis (J.R.Forst. & G.Forst.) Dandy ex Hutch. & Dalziel

In moist places. *Fl. & Fr.*: July – December. *Selected specimens*: Bahraich, K.K. Khanna 39899 (BSA), K.K. Khanna & Ram Saran 38609 (BSA); Bijnor, V. Chandra & party 43632 (LWG); Kheri, C.L. Malhotra 23531 (BSD); Pilibhit, C.L. Malhotra 50845 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 73 (BSD); Sant Kabir Nagar, K.K. Khanna 67992 (BSA).

Kyllinga tenuifolia Steud.

In moist places. *Fl. & Fr.*: August – November. *Selected specimens*: Balrampur, K.K. Khanna 59903 (BSA); Sant Kabir Nagar, K.K. Khanna 67984 (BSA).

Lipocarpa chinensis (Osbeck) J.Kern

In marshy places. *Fl. & Fr.*: July – November. *Selected specimen*: Kheri, K.P. Janardhana 51351 (BSD).

Lipocarpa squarrosa (L.) Goetgh.

In moist places. *Fl. & Fr.*: July – December. *Selected specimens*: Basti, K.K. Khanna 39298 (BSA); Kheri, C.L. Malhotra 23580 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1897 (BSD); Sant Kabir Nagar, K.K. Khanna 67949 (BSA).

Pycnus diaphanus (Schrad. ex Roem. & Schult.) S.S.Hooper & T.Koyama

In moist places. *Fl. & Fr.*: August – October. *Selected specimen*: Saharanpur, Som Deva 7582 (DD).

Pycnus flavidus (Retz.) T.Koyama

In marshy places. *Fl. & Fr.*: July – November. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38646 (BSA); Balrampur, K.K. Khanna 46067, 46089, 59928 (BSA); Bijnor, V. Chandra & party 44049 (LWG); Gonda, K.K. Khanna & Ram Saran 39087 (BSA), K.K. Khanna 46015 (BSA); Kheri, Inayat 25857 (DD); Pilibhit, C.L. Malhotra 50821 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 108 (BSD).

Pycnus polystachyos (Rottb.) P.Beauv.

In paddy fields. *Fl. & Fr.*: July – September. Basti (Saini & Singh in J. Econ. Taxon. Bot. 14: 101. 1990).

Pycnus pumilus (L.) Nees

In muddy places and moist grassy fields. *Fl. & Fr.*: October – March. *Selected specimens*: Bahraich, O.P. Misra 6402 (BSA); Basti, K.K. Khanna 39297 (BSA); Kheri, C.L. Malhotra 23578 (BSD); Pilibhit, C.L. Malhotra 42438 (BSD); Saharanpur, R.N. Parker Acc. No. 44861 (DD); Shravasti, K.K. Khanna 48072 (BSA).

Pycnus sanguinolentus (Vahl) Nees

In paddy fields. *Fl. & Fr.*: April – December. *Selected specimens*: Pilibhit, C.L. Malhotra 42402 (BSD), Sri Ram Acc. No. 46415 (DD); Saharanpur, R.N. Parker Acc. No. 44934 (DD).

Pycnus stramineus C.B.Clarke

Along ponds. *Fl. & Fr.*: August – October. *Selected specimen*: Bahraich, S.D. Maliya 223614 (LWG).

Queenslandiella hyalina (Vahl) Ballard

In wetlands. *Fl. & Fr.*: September – November. Basti (Saini & Singh in J. Econ. Taxon. Bot. 14: 111. 1990).

Rhynchospora hookeri Boeck.

In moist places. *Fl. & Fr.*: August – November. *Selected specimen*: Kheri, J.K. Maheshwari & party EBH-96 (LWG).

Schoenoplectiella articulata (L.) Lye

Near ponds, ditches and lakes and in cultivated fields. *Fl. & Fr.*: October – February. *Selected specimens*: Bahraich, O.P. Misra 6313 (BSA); Balrampur, K.K. Khanna & Ram Saran 37251, 39148 (BSA), K.K. Khanna 46063, 68751 (BSA); Basti, K.K. Khanna 39292 (BSA); Gonda, G.S. Srivastava 16942 (LWG); Kheri, C.L. Malhotra 31504 (BSD); Saharanpur, Royle 188/48 (DD); Sant Kabir Nagar, K.K. Khanna 65586, 65590 (BSA); Shravasti, K.K. Khanna 65640 (BSA).

Schoenoplectiella juncooides (Roxb.) Lye

In marshy places. *Fl. & Fr.*: July – December. *Selected specimens*: Bahraich, O.P. Misra 7745 (CAL); Gonda, Harsukh 22871 (CAL); Sant Kabir Nagar, K.K. Khanna 65586, 65590 (BSA).

Schoenoplectiella lateriflora (J.F.Gmel.) Lye

In moist cultivated fields and near ponds and lakes. *Fl. & Fr.*: July – December. *Selected specimens*: Bahraich, K.K. Khanna 38680 (BSA); Balrampur, K.K. Khanna & Ram Saran 37254 (BSA), K.K. Khanna, 46058, 68171 (BSA); Gonda, K.K. Khanna 46035 (BSA); Kheri, Sri Ram 47304 (DD); Pilibhit, C.L. Malhotra 42488 (CAL); Saharanpur, Royle 188/58 (DD); Sant Kabir Nagar, K.K. Khanna 67989 (BSA).

Schoenoplectiella mucronata (L.) J.Jung & H.K.Choi

In muddy places of ditches, ponds and lakes. *Fl. & Fr.*: July – December. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38673 (BSA); Balrampur, K.K. Khanna & Ram Saran 37256 (BSA), K.K. Khanna 46069 (BSA); Bijnor, Y.K. Sarin 5261 (BSD); Gonda, K.K. Khanna 46022 (BSA); Kheri, Inayat 22871(b) (DD); Pilibhit, Inayat 22870(a) (DD); Saharanpur, Y.S. Murty & A.K. Goel 105 (BSD); Sant Kabir Nagar, K.K. Khanna 68503 (BSA); Sitapur, G. Saran & party 26752 (LWG).

Schoenoplectiella roylei (Nees) Lye

In moist places. *Fl. & Fr.*: August – November. *Selected specimens*: Kheri, C.L. Malhotra 13333 (BSD); Pilibhit, C.L. Malhotra 40220 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 275 (BSD).

Schoenoplectiella supina (L.) Lye

In moist places. *Fl. & Fr.*: July – December. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6551 (BSA); Balrampur, K.K. Khanna & Ram Saran 37254 (BSA); Kheri, Sri Ram Acc. No. 47307 (DD); Pilibhit, C.L. Malhotra 40225 (BSD).

Schoenoplectus corymbosus (Roth ex Roem. & Schult.) J.Raynal

In marshy places. *Fl. & Fr.*: October – January. *Selected specimens*: Basti, D.C. Saini 11334 & 11335 (BSIP).

Schoenoplectus lacustris (L.) Palla

In ditches and ponds. *Fl. & Fr.*: July – December. *Selected specimens*: Pilibhit, Inayat 22868 (DD); Saharanpur, Y.S. Murty & A.K. Goel 8 (BSD).

Schoenoplectus litoralis (Schrad.) Palla

In marshy places. *Fl. & Fr.*: September – November. *Selected specimens*: Gorakhpur, D.C. Saini 11714 & 11715 (BSIP); Pilibhit, Inayat 22867 (CAL); Saharanpur, R.P. Singh 19965 (LWG), Royle 38118 (DD).

Scleria annularis Steud.

In moist places. *Fl. & Fr.*: August – December. *Selected specimen*: Pilibhit, C.L. Malhotra 50989 (BSD).

Scleria corymbosa Roxb.

Near marshy places. *Fl. & Fr.*: August – September. *Selected specimens*: Bahraich, Sri Ram Acc. No. 46397 (DD); Pilibhit, Sri Ram 46398 (DD).

Scleria levis Retz.

Along roadsides. *Fl. & Fr.*: July – November. Bahraich (Saini in J. Econ. Taxon. Bot. 29 (4): 903. 2005).

Scleria terrestris (L.) Fassett

In dried up ditches. *Fl. & Fr.*: August – December. *Selected specimen*: Kheri, U. Shukla 70054 (BSD).

Poaceae

Acrachne racemosa (B.Heyne ex Roth) Ohwi

In moist open places. *Fl. & Fr.*: August – November. *Selected specimen*: Bijnor, J.P. Sharma 67270 (LWG).

Alloteropsis cimicina (L.) Stapf

In moist open places. *Fl. & Fr.*: July – September. *Selected specimens*: Bahraich, V. Chandra & party 12281 (LWG); Balrampur, K.K. Khanna 68668 (BSA);

Saharanpur, without collector's name 1772 (BSD); Sant Kabir Nagar, K.K. Khanna 67858 (BSA).

Alopecurus nepalensis Trin. ex Steud.

In open grasslands. *Fl. & Fr.*: March – April. *Selected specimens*: Bahraich, G. Panigrahi 2884 (BSA), C.L. Malhotra 26658 (BSD); Kheri, Inayat 22887 (DD); Moradabad, C.L. Malhotra 20323 (BSD).

Andropogon fastigiatus (Sw.) Kunth

In moist places. *Fl. & Fr.*: September – December. *Selected specimen*: Gonda, Sri Ram Acc. No. 55841 (DD).

Apluda mutica L.

In open grasslands and on the outskirts of forests. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, G. Panigrahi 6498 (BSA); Balrampur, K.K. Khanna 68170 (BSA); Kheri, B.P. Uniyal 88943 (BSD); Pilibhit, B.K. Shukla 61622 (BSA); Saharanpur, V. Chandra & party 43359 (LWG).

Apocopsis paleacea (Trin.) Hochr.

On the outskirts of forests. *Fl. & Fr.*: September – December. *Selected specimen*: Gonda, Sri Ram Acc. No. 47652 (DD).

Aristida adscensionis L.

In wastelands and on the outskirts of forests. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, V. Chandra & party 12374 (LWG); Gonda, P.C. Kanjilal 65 (DD).

Arthraxon lanceolatus (Roxb.) Hochst.

In moist places. *Fl. & Fr.*: August – December. *Selected specimens*: Kheri, Inayat 22901 (DD), G. Saran & party 26286 (LWG).

Arthraxon lancifolius (Trin.) Hochst.

On slopes. *Fl. & Fr.*: July – November. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1164 (BSD).

Arundinella bengalensis (Spreng.) Druce

Along roadsides. *Fl. & Fr.*: October – February. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6593 (BSA); Kheri, Sri Ram Acc. No. 57808 (DD).

Arundinella nepalensis Trin.

On the outskirts of forests. *Fl. & Fr.*: August – May. *Selected specimens*: Kheri, G. Saran & party 26223 (LWG), P.C. Pant 43364 (BSD); Saharanpur, A.E. Osmaston Acc. No. 45419 (DD).

Arundinella pumila (Hochst. ex A.Rich.) Steud.

On slopes. *Fl. & Fr.*: August – November. *Selected specimen*: Bijnor, V. Chandra & party 43784 (LWG).

Arundo donax L.

Along ponds and lakes. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, G. Panigrahi 6633 (BSA); Balrampur, K.K. Khanna 68671 (BSA); Sant Kabir Nagar, K.K. Khanna 65578 (BSA).

Avena fatua L. (Vern.: Jaraee)

In cultivated fields. *Fl. & Fr.*: February – March. *Selected specimens*: Bahraich, S.D. Maliya 225929 (LWG); Balrampur, K.K. Khanna 68680 (BSA); Kheri, J.K. Maheshwari & party EBH-366 (LWG).

Avena sativa L. (Vern.: Jai)

Cultivated, also found as an escape. *Fl. & Fr.*: November – March. *Selected specimens*: Balrampur, K.K. Khanna 68672 (BSA); Gorakhpur, J.G. Srivastava & party 48317 (LWG); Saharanpur, without collector's name 20 (DD); Sitapur, Putti Lal 89537 (LWG).

Avena sterilis L.

Cultivated, also found as an escape. *Fl. & Fr.*: December – March. *Selected specimen*: Muzaffarnagar, Santosh Acc. No. 13585 (LWG).

Bambusa balcooa Roxb.

Planted. *Fl. & Fr.*: January – August. *Selected specimens*: Gorakhpur, Cap Wood s.n. (DD), G. Panigrahi & Ram Saran 10712 (BSA).

Bambusa bambos (L.) Voss (Vern.: Kanta-bans)

Planted near villages. *Fl. & Fr.*: January – March. *Selected specimens*: Balrampur, K.K. Khanna 68678 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10723 (BSA); Kheri, U. Shukla 69825 (BSD); Saharanpur, D. Brandis 1416 (CAL); Sitapur, B.K. Shukla 61317 (BSA).

Bambusa vulgaris Schrad.

Planted. *Fl. & Fr.*: Rare. *Selected specimen*: Bahraich, G. Panigrahi 2916 (BSA).

Bothriochloa bladhii (Retz.) S.T.Blake

Along roadsides and in wastelands. *Fl. & Fr.*: August – January. *Selected specimens*: Bahraich, G. Panigrahi 6445 (BSA); Balrampur, K.K. Khanna 68681 (BSA); Bijnor, V. Chandra & party 43759 (LWG); Gorakhpur, Inayat 4413 (DD); Pilibhit, C.L. Malhotra 42905 (BSD).

Bothriochloa kuntzeana (Hack.) Henrard

On the outskirts of forests. *Fl. & Fr.*: September – January. *Selected specimen*: Kheri, C.L. Malhotra 23567 (BSD).

Bothriochloa pertusa (L.) A.Camus

In wastelands. *Fl. & Fr.*: August – February. *Selected specimens*: Balrampur, K.K. Khanna 68682 (BSA); Bijnor, V. Chandra & party 43756 (LWG).

Brachiaria deflexa (Schumach.) C.E. Hubb. ex Robyns

In open fields. *Fl. & Fr.*: August – October. *Selected specimen*: Saharanpur, B.K. Shukla 57179 (BSA).

Brachiaria distachya (L.) Stapf

In wastelands and along roadsides. *Fl. & Fr.*: August – December. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 37241 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10773 (BSA); Pilibhit, C.L. Malhotra 42322 (BSD).

Brachiaria kurzii (Hook.f.) A.Camus

In shady places of forests. *Fl. & Fr.*: September – November. *Selected specimen*: Gorakhpur, Sri Ram Acc. No. 57381 (DD).

Brachiaria ramosa (L.) Stapf

In moist wastelands. *Fl. & Fr.*: July – October. *Selected specimens*: Bahraich, Harsukh 22920 (CAL); Pilibhit, C.L. Malhotra 50447 (BSD); Sant Kabir Nagar, K.K. Khanna 67869 (BSA).

Brachiaria reptans (L.) C.A.Gardner & C.E.Hubb.

In moist places of fields. *Fl. & Fr.*: July – September. *Selected specimens*: Balrampur, K.K. Khanna 68169 (BSA); Pilibhit, C.L. Malhotra 42687 (BSD); Sant Kabir Nagar, K.K. Khanna 67870 (BSA).

Brachiaria subquadripata (Trin.) Hitchc.

Along roadsides. *Fl. & Fr.*: August – October. *Selected specimen*: Bahraich, G. Panigrahi & O.P. Misra 6600 (BSA).

Capillipedium assimile (Steud.) A.Camus

In rocky places. *Fl. & Fr.*: September – December. *Selected specimens*: Balrampur, K.K. Khanna 68742 (BSA); Gonda, Inayat 23709 (DD).

Cenchrus prieurii (Kunth) Maire

Along roadsides. *Fl. & Fr.*: September – November. *Selected specimen*: Saharanpur, without collector's name 260 (BSD).

Chionachne gigantea (J.Koenig) Veldkamp

In moist places and along roadsides. *Fl. & Fr.*: September – January. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6441 (BSA); Gorakhpur, G. Panigrahi 6623 (BSA); Kheri, U. Shukla 69954 (BSD); Pilibhit, D.D. Awasthi 344 (LWG).

Chloris virgata Sw.

Along roadsides. *Fl. & Fr.*: August – December. *Selected specimen*: Pilibhit, Inayat 22902 (CAL).

Chrysopogon aciculatus (Retz.) Trin.

In mixed forests. *Fl. & Fr.*: July – November. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6578 (BSA); Gonda, K.K. Khanna & Ram Saran 39154 (BSA); Gorakhpur, G. Panigrahi 6578 (CAL); Pilibhit, Gulab Rai Acc. No. 19408 (DD).

Chrysopogon fulvus (Spreng.) Chiov.

In open fields. *Fl. & Fr.*: July – October. *Selected specimens*: Gonda, P.C. Kanjilal 61 (DD); Saharanpur, R.C. Bharadwaja 11805 (LWG).

Chrysopogon gryllus (L.) Trin.

Along river banks. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, S.D. Maliya 214884 (LWG); Bijnor, V. Chandra & party 43731 (LWG).

Chrysopogon polyphyllus (Hack. ex Hook.f.) Blatt. & McCann

In moist places. *Fl. & Fr.*: September – December. Gorakhpur (A.K. Singh, Sedges & Grasses Eastern Uttar Pradesh 1: 402. 2007).

Chrysopogon serrulatus Trin.

In mixed forests. *Fl. & Fr.*: October – November. *Selected specimens*: Bahraich, S.D. Maliya 224655 (LWG); Gonda, D.F.O. 3569 (DD); Kheri, Inayat 22893 (DD).

Coelachne simpliciuscula (Wight & Arn. ex Steud.) Munro ex Benth.

In marshy places. *Fl. & Fr.*: December – March. *Selected specimen*: Balrampur, K.K. Khanna 68718 (BSA).

Coix aquatica Roxb.

Along roadsides. *Fl. & Fr.*: September – December. *Selected specimens*: Pilibhit, Inayat 22903 (DD); Shahjahanpur, Duthie 5036 (DD).

Coix lacryma-jobi L.

On the outskirts of forests. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, O.P. Misra 7956 (BSA); Gonda, K.K. Singh & party 6157 (LWG); Sant Kabir Nagar, K.K. Khanna 67986 (BSA).

Cymbopogon distans (Nees ex Steud.) W. Watson

On the outskirts of forests. *Fl. & Fr.*: September – October. *Selected specimen*: Gonda, Sri Ram s.n. (DD).

Cymbopogon flexuosus (Nees ex Steud.) W. Watson

In mixed forests. *Fl. & Fr.*: October – November. *Selected specimens*: Bahraich, G. Panigrahi 2858 (BSA); Gorakhpur, Harsukh 22895 (DD); Kheri, B.P. Uniyal 88952 (BSD); Pilibhit, C.L. Malhotra 42849 (BSD).

Cymbopogon jwarancusa (Jones) Schult.

In moist places. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37101 (BSA); Bijnor, V. Chandra & party 44166 (LWG); Gorakhpur, Harsukh 22892 (CAL); Kheri, Inayat 22891 (DD); Saharanpur, A.E. Louris s.n. (DD).

Cymbopogon martini (Roxb.) W. Watson

In mixed forests. *Fl. & Fr.*: September – February. *Selected specimens*: Bahraich, O.P. Misra 7963 (BSA); Balrampur, K.K. Khanna 68673 (BSA); Bijnor, V.

Chandra & party 43766 (LWG); Saharanpur, without collector's name 25995 (DD).

Cymbopogon microstachys (Hook.f.) Soenarko

In open forests. *Fl. & Fr.*: October – December. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37619 (BSA); North Oudh, T. Thompson 381 (CAL).

Cymbopogon osmastonii R. Parker

In mixed forests. *Fl. & Fr.*: October – December. *Selected specimens*: Bahraich, G. Panigrahi 6502 (BSA); Kheri, Forest Ranger Acc. No. 60086 (DD).

Cymbopogon schoenanthus (L.) Spreng.

On the outskirts of forests. *Fl. & Fr.*: September – November. *Selected specimen*: Bahraich, K.K. Khanna & Ram Saran 37101 (BSA).

Cynodon barberi Rang. & Tadul.

In moist wastelands. *Fl. & Fr.*: August – November. *Selected specimen*: Pilibhit, Mahofe, Gulabrai 19405 (DD).

Cynodon dactylon (L.) Pers. (Vern.: Doobghas)

In wastelands and cultivated field bunds. *Fl. & Fr.*: Throughout the year. *Selected specimens*: Bahraich, S.D. Maliya 224659 (LWG); Balrampur, K.K. Khanna 68728 (BSA), K.K. Khanna & Ram Saran 37308 (BSA); Gonda, K.K. Khanna & Ram Saran 37274 (BSA); Kheri, C.L. Malhotra 13434 (BSD); Pilibhit, C.L. Malhotra 36889 (BSD); Saharanpur, B.K. Shukla 57247 (BSA); Sant Kabir Nagar, K.K. Khanna 65566, 68574 (BSA).

Cynodon radiatus Roth ex Roem. & Schult.

Along roadsides. *Fl. & Fr.*: July – September. *Selected specimens*: Bahraich, G. Panigrahi 6482 (BSA); Gonda, V. Chandra & party 13033 (LWG); Kheri, C.L. Malhotra 22886 (BSD); Pilibhit, Hira Lal 2040 (DD).

Cyrtococcum patens (L.) A. Camus

In moist shady places. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, O.P. Misra 7904 (BSA); Gorakhpur, C.M. Arora 1523 (CAL); Kheri, Pt. J.N. Onial Acc. No. 48448 (DD); North Oudh, R. Thompson Acc. No. 521516 (DD); Pilibhit, Sri Ram Acc. No. 57385 (DD); Saharanpur, Y.S. Murty & A.K. Goel 111 (BSD).

Dactyloctenium aegyptium (L.) Willd.

Along roadsides and in fallow lands. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 38666 (BSA); Balrampur, K.K. Khanna & Ram Saran 37293 (BSA); Basti, K.K. Khanna 39801 (BSA); Kheri, C.L. Malhotra 23545 (BSD); Pilibhit, C.L. Malhotra 50880 (CAL); Saharanpur, V. Chandra & party 42808 (LWG).

Dendrocalamus strictus (Roxb.) Nees (Vern.: Baans)

In mixed forests. *Fl. & Fr.*: November – April. *Selected specimens*: Bahraich, S.D. Maliya 223739 (LWG); Balrampur, K.K. Khanna 68661 (BSA); Gonda, DFO 4472 (DD); Kheri, J.K. Maheshwari & party EBH-381 (LWG); Sitapur, B.K. Shukla 61309 (BSA).

Desmostachya bipinnata (L.) Stapf (Vern.: Kusha)

On the edges of fields and in sandy places. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, K.K. Khanna AICRPE 55 (BSA), K.K. Khanna & Ram Saran 37106 (BSA); Balrampur, K.K. Khanna 46074, 68683 (BSA); Gonda, K.K. Khanna & Ram Saran 39996 (BSA); Kheri, Inayat 22907 (DD); Pilibhit, C.L. Malhotra 37159 (BSD); Saharanpur, James Sinclair 4320 (DD); Sant Kabir Nagar, K.K. Khanna 65564 (BSA).

Dichanthium annulatum (Forssk.) Stapf

In open grasslands, along field bunds and outskirts of forests. *Fl. & Fr.*: October – May. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37691 (BSA); Balrampur, K.K. Khanna 65313 (BSA); Gonda, K.K. Khanna & Ram Saran 37146 (BSA); Gorakhpur, DFO 3581 (DD); Pilibhit, C.L. Malhotra 13428 (BSD); Sant Kabir Nagar, K.K. Khanna 65536 (BSA).

Dichanthium caricosum (L.) A.Camus

In open forests. *Fl. & Fr.*: July – December. *Selected specimens*: Gorakhpur, J.G. Srivastava & party 48331 (LWG); Kheri, DFO Acc. No. 74539 (DD).

Dichanthium foveolatum (Delile) Roberty

In wastelands. *Fl. & Fr.*: September – January. *Selected specimen*: Bahraich, O.P. Misra 8017 (BSA).

Digitaria abludens (Roem. & Schult.) Veldkamp

On the edges of fields. *Fl. & Fr.*: September – October. *Selected specimens*: Bahraich, G. Panigrahi 6367 (BSA); Moradabad, J.J. Thomson 346 (DD); Pilibhit, C.L. Malhotra 42845 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 719 (BSD).

Digitaria bicornis (Lam.) Roem. & Schult. ex Loud.

In grasslands. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, S.D. Maliya 223700 (LWG); Bijnor, J.P. Sharma 67121 (LWG); Gonda, Kanjilal 68 (DD); Pilibhit, C.L. Malhotra 40237 (BSD); Saharanpur, R.C. Bharadwaja 6972 (LWG), J.V.S. Rao 39911 (CAL).

Digitaria ciliaris (Retz.) Koeler

In wastelands and along roadsides. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, V. Chandra & party 12216 (LWG); Balrampur, K.K. Khanna & Ram Saran 37298 (BSA); Kheri, B.K. Shukla 61351 (BSA); Pilibhit, B.K. Shukla 61643 (BSA); Saharanpur, B.K. Shukla 57177 (BSA); Sant Kabir Nagar, K.K. Khanna 67977 (BSA).

Digitaria longiflora (Retz.) Pers.

Along roadsides. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, G. Panigrahi 2961 (BSA); Bijnor, V. Chandra & party 43726 (LWG); Gorakhpur, G. Panigrahi & Ram Saran 10721 (BSA).

Digitaria radicata (J.Presl) Miq.

In cultivated fields. *Fl. & Fr.*: September – November. *Selected specimen*: Saharanpur, Bharadwaja & Srivastava 6969 (LWG).

Digitaria sanguinalis (L.) Scop.

In grasslands. *Fl. & Fr.*: September – October. *Selected specimen*: Saharanpur, Duthie s.n. (DD).

Digitaria setigera Roth ex Roem. & Schult.

On the outskirts of forests. *Fl. & Fr.*: August – September. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1729 (BSD).

Digitaria stricta Roth ex Roem. & Schult.

In moist places. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6446 (BSA); Pilibhit, C.L. Malhotra 42494, 42953 (BSD).

Digitaria violascens Link

Along roadsides and bunds of cultivated fields. *Fl. & Fr.*: September – December. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 37268, 37276 (BSA).

Echinochloa colona (L.) Link (Vern.: Sanwa)

In water logged places and paddy fields. *Fl. & Fr.*: August – February. *Selected specimens*: Bahraich, G. Panigrahi 2801 (BSA); Gonda, K.K. Khanna & Ram Saran 37158 (BSA); Pilibhit, C.L. Malhotra 36898 (BSD).

Echinochloa crus-galli (L.) P.Beauv. (Vern.: Sanwa)

In wastelands and cultivated fields. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, G. Panigrahi 6390 (CAL); Balrampur, K.K. Khanna 68168 (BSA); Bijnor, V. Chandra & party 43764 (LWG); Gorakhpur, M.A. Rau 12199 (BSD); Saharanpur, R.C. Bharadwaja Acc. No. 111793 (DD); Sant Kabir Nagar, K.K. Khanna 67948 (BSA).

Echinochloa frumentacea Link

In wastelands. *Fl. & Fr.*: August – November. *Selected specimens*: Pilibhit, C.L. Malhotra 51021 (BSD); Sitapur, N.C. Pathak 77534 (LWG).

Echinochloa picta (J.Koenig) P.W.Michael

In water logged and marshy places. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, G. Panigrahi 3012 (BSA); Gonda, Ram Pher 16805 (LWG); Pilibhit, Sri Ram s.n. (DD).

Echinochloa stagnina (Retz.) P.Beauv.

In marshy places. *Fl. & Fr.*: September – December. *Selected specimens*: Balrampur, K.K. Khanna 65330 (BSA); Gonda, K.K. Khanna & Ram Saran 39119 (BSA); Sant Kabir Nagar, K.K. Khanna 65562 (BSA).

Eleusine coracana (L.) Gaertn.

In wastelands. *Fl. & Fr.*: August – October. *Selected specimen*: Bijnor, V. Chandra & party 43750 (LWG).

Eleusine indica (L.) Gaertn.

In wastelands. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6563 (BSA); Balrampur, K.K. Khanna 68716 (BSA); Bijnor, V. Chandra & party 43715 (LWG); Gonda, K.K. Khanna & Ram Saran 37294, 37297 (BSA); Kheri, B.K. Shukla 61351A (BSA); Pilibhit, C.L. Malhotra 42819 (BSD); Saharanpur, B.K. Shukla 57178 (BSA); Sant Kabir Nagar, K.K. Khanna 65526 (BSA).

Elytrophorus spicatus (Willd.) A.Camus

In roadside ditches and paddy fields. *Fl. & Fr.*: September – February. *Selected specimens*: Bahraich, G. Panigrahi 6624A (BSA); Moradabad, without collector's name Acc. No. 566957 (CAL).

Enteropogon dolichostachyus (Lag.) Keng

In mixed forests. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37690 (BSA); Balrampur, K.K. Khanna 59968 (BSA); Bijnor, V. Chandra 43703 (LWG); Gonda, K.K. Khanna & Ram Saran 39108 (BSA); Pilibhit, C.L. Malhotra 42799 (BSD).

Eragrostiella bifaria (Vahl) Bor

In rocky places. *Fl. & Fr.*: August – October. *Selected specimen*: Balrampur, K.K. Khanna 68167 (BSA).

Eragrostis amabilis (L.) Wight & Arn.

In wastelands and along roadsides. *Fl. & Fr.*: July – November. *Selected specimens*: Bahraich, G. Panigrahi 6353 (BSA); Balrampur, K.K. Khanna & Ram Saran 37295 (BSA); Bijnor, J.P. Sharma 67138 (BSD); Gorakhpur, G. Panigrahi & Ram Saran 10756 (BSA); Kheri, B.P. Uniyal 88927 (BSD); Pilibhit, B.K. Shukla 61569 (BSA); Saharanpur, B.K. Shukla 57251 (BSA); Sant Kabir Nagar, K.K. Khanna 65552 (BSA).

Eragrostis atrovirens (Desf.) Trin. ex Steud.

In moist wastelands and along drains and lakes. *Fl. & Fr.*: September – February. *Selected specimens*: Bahraich, G. Panigrahi 6540 (BSA); Balrampur, K.K. Khanna & Ram Saran 37287 (BSA); Kheri, B.K. Shukla 61442 (BSA), C.L. Malhotra 13464 (BSD); Pilibhit, C.L. Malhotra 42403 (BSD), B.K. Shukla 61626 (BSA); Saharanpur, B.K. Shukla 57187 (BSA).

Eragrostis cilianensis (All.) Janch.

On the outskirts of forests. *Fl. & Fr.*: September – October. *Selected specimens*: Gonda, *Hira Lal* 16859 (LWG); Moradabad, *without collector's name* 792 (DD).
Eragrostis ciliaris (L.) R.Br.
 In moist open places. *Fl. & Fr.*: August – October. *Selected specimens*: Kheri, *G. Saran & party* 26586 (LWG); Pilibhit, *Kaul & party* 19747 (LWG).
Eragrostis ciliata (Roxb.) Nees
 In fields. *Fl. & Fr.*: October – November. *Selected specimen*: Bijnor, *V. Chandra & party* 43717 (LWG).
Eragrostis coarctata Stapf
 In wastelands and cultivated fields. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 38734 (BSA); Balrampur, *K.K. Khanna & Ram Saran* 37286 (BSA); Kheri, *Inayat* 22912 (CAL); Pilibhit, *C.L. Malhotra* 42840 (BSD).
Eragrostis gangetica (Roxb.) Steud.
 In moist and water logged places. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, *O.P. Misra* 7742 (BSA); Balrampur, *K.K. Khanna* 68676 (BSA); Gorakhpur, *Sri Ram* Acc. No. 58201 (DD); Kheri, *B.K. Shukla* 61448 (BSA); Pilibhit, *C.L. Malhotra* 13341 (BSD); Shahjahanpur, *Duthie* 5112 (DD).
Eragrostis japonica (Thunb.) Trin.
 Along lakes and in puddles. *Fl. & Fr.*: September – January. *Selected specimens*: Bahraich, *O.P. Misra* 7765 (BSA); Balrampur, *K.K. Khanna* 68674 (BSA); Gorakhpur, *G. Panigrahi & Ram Saran* 10691 (BSA); Pilibhit, *C.L. Malhotra* 40224 (BSD); Saharanpur, *Duthie* 5106 (DD).
Eragrostis minor Host
 In open forests. *Fl. & Fr.*: August – October. *Selected specimens*: Bahraich, *Sri Ram* Acc. No. 59905 (DD); Balrampur, *K.K. Khanna & Ram Saran* 37296 (BSA); Pilibhit, *C.L. Malhotra* 36896, 40232 (CAL).
Eragrostis nutans (Retz.) Nees ex Steud.
 In grassy fields and on the outskirts of forests. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, *P. Singh* 16409 (LWG); Saharanpur, *B.K. Shukla* 57255 (BSA).
Eragrostis patula (Kunth) Steud.
 In irrigated fields. *Fl. & Fr.*: August – November. *Selected specimen*: North Oudh, *R. Thompson* Acc. No. 542119 (DD).
Eragrostis pilosa (L.) P.Beauv.
 In wastelands. *Fl. & Fr.*: September – December. *Selected specimens*: Bijnor, *V. Chandra & party* 43725 (LWG); Pilibhit, *Inayat* 22906 (DD).
Eragrostis riparia (Willd.) Nees
 Along roadsides and in wastelands. *Fl. & Fr.*: August – November. Deoria, Gorakhpur (A.K.Singh, *Sedges & Grasses Eastern Uttar Pradesh* 1: 331. 2007).
Eragrostis tremula (Lam.) Hochst. ex Steud.
 In moist wastelands and irrigated fields. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, *C.L. Malhotra* 26720 (BSD); Kheri, *Sri Ram* Acc. No. 59927 (DD); Moradabad, *H.B. Naithani* 3186 (DD); Pilibhit, *C.L. Malhotra* 42543 (BSD); Saharanpur, *J.G. Srivastava* 6976 (LWG); Shahjahanpur, *Duthie* 5111 (DD).
Eragrostis unioides (Retz.) Nees ex Steud.
 In moist and water logged places. *Fl. & Fr.*: September – March. *Selected specimens*: Bahraich, *G. Panigrahi & O.P. Misra* 6599 (BSA); Balrampur, *K.K. Khanna* 68677 (BSA); Basti, *K.K. Khanna* 39300 (BSA); Gorakhpur,

C.M. Arora 1417 (BSA); Pilibhit, *C.L. Malhotra* 4862 (BSD).
Eragrostis zeylanica Nees & Meyen
 Along roadsides. *Fl. & Fr.*: February – April. Gorakhpur (A.K.Singh, *Sedges & Grasses Eastern Uttar Pradesh* 1: 345. 2007).
Eriochloa procera (Retz.) C.E.Hubb.
 In moist wastelands. *Fl. & Fr.*: July – December. *Selected specimens*: Bahraich, *G. Panigrahi* 6384 (BSA); Gorakhpur, *C.M. Arora* 1487 (BSA); Pilibhit, *C.L. Malhotra* 42954 (CAL).
Eulalia contorta (Brongn.) Kuntze
 In open forests. *Fl. & Fr.*: October – February. *Selected specimens*: Bahraich, *G. Panigrahi* 6621A (BSA); Gonda, *Hira Lal* 16879 (LWG); Pilibhit, *Gulab Rai* Acc. No. 18276 (DD).
Eulalia fastigiata (Nees ex Steud.) Haines
 In mixed forests. *Fl. & Fr.*: October – December. Pilibhit (Raizada et al. in *Indian Forest Rec.* 4(7): 193. 1957).
Eulalia hirtifolia (Hack.) A.Camus
 In mixed forests. *Fl. & Fr.*: October – December. *Selected specimen*: Gorakhpur, *C.M. Arora* 1414 (BSA).
Eulalia leschenaultiana (Decne.) Ohwi
 In mixed forests. *Fl. & Fr.*: October – December. *Selected specimen*: Pilibhit, *Sri Ram* Acc. No. 47311 (DD).
Eulalia trispicata (Schult.) Henrard
 In mixed forests. *Fl. & Fr.*: September – December. *Selected specimens*: Pilibhit, *D.F.O.* 3383 (DD); Saharanpur, *B.K. Shukla* 57204 (BSA).
Eulaliopsis binata (Retz.) C.E.Hubb. (Vern.: *Bankash*)
 In mixed forests. *Fl. & Fr.*: July – September. *Selected specimens*: Bahraich, *O.P. Misra* 7964 (BSA); Balrampur, *K.K. Khanna* 68679 (BSA); Gonda, *V. Chandra & party* 12457 (LWG); Kheri, *Inayat* 22911 (CAL); Saharanpur, *U.C. Bhattacharyya* 49462 (BSD), *B.K. Shukla* 57206 (BSA).
Hackelochloa granularis (L.) Kuntze
 In moist places of the forests. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, *G. Panigrahi* 6618A (BSA); Balrampur, *K.K. Khanna* 68166 (BSA); Gonda, *V. Chandra & party*, Acc. No. 28830 (LWG); Kheri, *Sri Ram* Acc. No. 46440 (DD); Pilibhit, *C.L. Malhotra* 42751 (BSD); Shahjahanpur, *Duthie* 5055 (DD).
Hemarthria compressa (L.f.) R.Br.
 In moist places. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, *V. Chandra & party* 12433 (LWG); Gonda, *K.K. Khanna & Ram Saran* 39090 (BSA); Kheri, *B.P. Uniyal & Sunder Singh* 88920 (BSD); Pilibhit, *C.L. Malhotra* 42956 (BSD); Saharanpur, *without collector's name* Acc. No. 529108 (CAL); Sant Kabir Nagar, *K.K. Khanna* 67871 (BSA).
Heteropogon contortus (L.) P.Beauv. ex Roem. & Schult. (Vern.: *Paura*)
 In open grasslands and rocky places. *Fl. & Fr.*: August – January. *Selected specimens*: Bahraich, *K.K. Khanna & Ram Saran* 38580 (BSA); Balrampur, *K.K. Khanna & Ram Saran* 39146 (BSA); Bijnor, *V. Chandra & party* 43374 (LWG); Gonda, *P.C. Kanjilal* Acc. No. 82814 (DD); Gorakhpur, *C.M. Arora* 1404 (CAL), 1454 (BSA); Pilibhit, *C.L. Malhotra* 42662 (BSD).
Heteropogon melanocarpus (Elliott) Benth.
 In mixed forests. *Fl. & Fr.*: August – January. Saharanpur (Raizada et al. in *Indian Forest Rec.* 4(7): 248. 1957).

Hordeum vulgare L.

Cultivated throughout the region. *Fl. & Fr.*: January – March. *Selected specimens*: Bahraich, C.L. Malhotra 23663 (BSD); Kheri, J.K. Maheshwari & party EBH-279 (LWG).

Hygroryza aristata (Retz.) Nees ex Wight & Arn.

In ponds, lakes and marshy places. *Fl. & Fr.*: October – December. *Selected specimens*: Bahraich, G. Panigrahi 6419 (BSA); Gonda, K.K. Khanna & Ram Saran 39113 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10614 (BSA); Kheri, U. Shukla 69905 (BSD); Sant Kabir Nagar, K.K. Khanna 68585 (BSA).

Hymenachne amplexicaulis (Rudge) Nees

In marshy places. *Fl. & Fr.*: March – September. *Selected specimens*: Shahjahanpur, without collector's name Acc. No. 5125 (CAL); Shrivasti, K.K. Khanna 66662 (BSA).

Imperata cylindrica (L.) Raeusch.

In agricultural fields, sandy river beds and on the outskirts of forests. *Fl. & Fr.*: March – April. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37681, 38580 (BSA); Balrampur, K.K. Khanna & Ram Saran 39957 (BSA); Gonda, P.C. Kanjilal 13 (DD); Kheri, G. Saran & party 26568 (LWG); Pilibhit, J.N. Vohra 58370 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 330 (BSD); Sant Kabir Nagar, K.K. Khanna 65525, 68549 (BSA); Shrivasti, K.K. Khanna 66686 (BSA); Sitapur, B.K. Shukla 61205 (BSA).

Isachne albens Trin.

In moist places of open forests. *Fl. & Fr.*: September – October. Bahraich (Saini in J. Econ. Taxon. Bot. 29 (4): 912. 2005).

Isachne globosa (Thunb.) Kuntze

In open forests. *Fl. & Fr.*: August – September. Gorakhpur (A.K. Singh, Sedges & Grasses Eastern Uttar Pradesh 2: 498. 2007).

Isachne himalaica Hook.f.

In moist places. *Fl. & Fr.*: July – October. *Selected specimen*: Saharanpur, Y.S. Murty & A.K. Goel 1876 (BSD).

Ischaemum rugosum Salisb.

In open mixed forests. *Fl. & Fr.*: August – October. *Selected specimens*: Bahraich, G. Panigrahi 6629 (BSA); Gonda, K.K. Khanna & Ram Saran 39050 (BSA); Kheri, U. Shukla 69912 (BSD); Moradabad, without collector's name Acc. No. 529600 (CAL); Pilibhit, C.L. Malhotra 42944 (BSD).

Iseilema antheophoroides Hack.

In open grasslands. *Fl. & Fr.*: August – December. *Selected specimen*: Gonda, P.C. Kanjilal 71 (DD).

Iseilema prostratum (L.) Andersson

In moist places. *Fl. & Fr.*: September – December. *Selected specimen*: Saharanpur, Jameson 33 (DD).

Lamarckia aurea (L.) Moench

In wastelands. *Fl. & Fr.*: October – December. Saharanpur (Bor, Grasses Burma Ceylon India Pakistan 542. 1960).

Leptochloa chinensis (L.) Nees

In wastelands. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, Sri Ram 163 (DD); Gonda, Sri Ram Acc. No. 60212 (DD); Pilibhit, Inayat 22911 (CAL); Saharanpur, B.K. Shukla 57253 (BSA).

Leptochloa panicea (Retz.) Ohwi

In wastelands and cultivated fields. *Fl. & Fr.*: July – December. *Selected specimens*: Gonda, K.K. Khanna & Ram Saran 37159 (BSA); Pilibhit, C.L. Malhotra 36893

(BSD); Saharanpur, B.K. Shukla 57174 (BSA); Sant Kabir Nagar, K.K. Khanna 67947 (BSA).

Lolium temulentum L.

In wastelands. *Fl. & Fr.*: December – May. *Selected specimen*: Saharanpur, D. Prain Acc. No. 546933 (CAL).

Melanocenchris jacquemontii Jaub. & Spach

In wastelands and mixed forests. *Fl. & Fr.*: September – November. *Selected specimens*: Balrampur, K.K. Khanna 68165 (BSA); Sant Kabir Nagar, K.K. Khanna 67978 (BSA).

Microstegium nudum (Trin.) A. Camus

In mixed forests. *Fl. & Fr.*: August – October. Saharanpur (Raizada et al. in Indian Forest Rec. 4(7): 190. 1957).

Miscanthus fuscus (Roxb.) Benth.

In sal forests. *Fl. & Fr.*: November – December. *Selected specimens*: Gorakhpur, D.F.O. 4411 (DD); Kheri, A.F. Osmaston 1429 (DD).

Mnesithea laevis (Retz.) Kunth

In mixed forests. *Fl. & Fr.*: September – November. *Selected specimens*: Bijnor, V. Chandra & party 43761 (LWG); Gonda, Baleshwar Prasad Acc. No. 82802 (DD); Pilibhit, DFO 3387 (DD).

Neyraudia arundinacea (L.) Henrard

In sal forests. *Fl. & Fr.*: September – November. Saharanpur (Bor, Grasses Burma Ceylon India Pakistan 518. 1960).

Ophiuros exaltatus (L.) Kuntze

In mixed forests. *Fl. & Fr.*: September – October. *Selected specimen*: Bahraich, G. Panigrahi 6630 (BSA).

Oplismenus burmanni (Retz.) P. Beauv.

In shady places. *Fl. & Fr.*: July – December. *Selected specimens*: Bahraich, K.K. Khanna 38649 (BSA); Balrampur, K.K. Khanna 59958, 65310 (BSA); Basti, K.K. Khanna 39802 (BSA); Bijnor, V. Chandra & party 43719 (LWG); Moradabad, T. Thomson 825 (DD); Pilibhit, C.L. Malhotra 42433 (BSD); Sant Kabir Nagar, K.K. Khanna 67946 (BSA).

Oplismenus compositus (L.) P. Beauv.

In moist shady places. *Fl. & Fr.*: July – February. *Selected specimens*: Bahraich, G. Panigrahi 2917 (BSA); Balrampur, K.K. Khanna 68744 (BSA); Gonda, S.K. Jain 16911 (LWG); Gorakhpur, G. Panigrahi & Ram Saran 10566 (BSA); Kheri, B.P. Uniyal & Sunder Singh 88913 (BSD); Pilibhit, C.L. Malhotra 50943 (CAL); Saharanpur, R.C. Bharadwaja Acc. No. 111799 (DD); Sitapur, B.K. Shukla 61310 (BSA).

Oryza minuta J. Presl ex K. Presl

In marshy places. *Fl. & Fr.*: August – November. *Selected specimens*: Sant Kabir Nagar, K.K. Khanna 65606, 68518, 68530, 68569 (BSA); Shrivasti, K.K. Khanna 65606 (BSA).

Oryza rufipogon Griff. (Vern.: Jangli-dhan, Pasaee)

In marshy places. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, G. Panigrahi 6572 (BSA); Balrampur, K.K. Khanna 65331 (BSA); Kheri, J.K. Maheshwari & party EBH-158 (LWG); Sant Kabir Nagar, K.K. Khanna 65570 (BSA); Shrivasti, K.K. Khanna 65611 (BSA).

Oryza sativa L. (Vern.: Dhan)

Cultivated throughout the region. *Fl. & Fr.*: September – November. *Selected specimens*: Balrampur, K.K. Khanna 68164 (BSA); Gonda, K.K. Singh & party 6125 (CAL); Pilibhit, C.L. Malhotra 42429 (BSD); Saharanpur,

- B.K. Shukla 61532 (BSA); Sant Kabir Nagar, K.K. Khanna 67872 (BSA).
- Panicum antidotale*** Retz.
Along roadsides. *Fl. & Fr.*: October – December. *Selected specimens*: Gonda, Hari Singh 6052 (LWG); Pilibhit, Sri Ram Acc. No. 57809 (DD); Saharanpur, V. Chandra & party 42804 (LWG).
- Panicum bisulcatum*** Thunb.
Along water courses. *Fl. & Fr.*: October – December. *Selected specimen*: Pilibhit, Sri Ram Acc. No. 37386 (DD).
- Panicum brevisolium*** L.
In moist places along lakes. *Fl. & Fr.*: September – February. Sant Kabir Nagar (Singh & Semwal in J. Econ. Taxon. Bot. 33: 930. 2009).
- Panicum curviflorum*** Hornem.
In grasslands. *Fl. & Fr.*: July – November. *Selected specimens*: Bijnor, V. Chandra & party 43367 (LWG); Pilibhit, C.L. Malhotra 42747 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 1863 (BSD).
- Panicum humile*** Steud.
In wastelands and grasslands. *Fl. & Fr.*: September – October. *Selected specimens*: Bahraich, Hira Lal 164704 (LWG); Bijnor, J.P. Sharma 67293 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 460 (BSD).
- Panicum maximum*** Jacq.
In wastelands. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, G. Panigrahi 6632 (BSA); Saharanpur, Jameson s.n. (DD).
- Panicum miliaceum*** L.
In mixed forests. *Fl. & Fr.*: September – December. *Selected specimens*: Kheri, Inayat 22918 (DD), Hira Lal s.n. (LWG).
- Panicum paludosum*** Roxb.
In ponds, drains and lakes. *Fl. & Fr.*: August – October. *Selected specimens*: Bahraich, G. Panigrahi 3014 (BSA); Balrampur, K.K. Khanna & Ram Saran 37238 (BSA); Gonda, K.K. Khanna & Ram Saran 39118 (BSA); Pilibhit, C.L. Malhotra 42367 (CAL); Saharanpur, Jameson s.n. (DD); Sant Kabir Nagar, K.K. Khanna 67987 (BSA).
- Panicum repens*** L.
In damp places. *Fl. & Fr.*: August – September. *Selected specimen*: Bahraich, S.D. Maliya 223625 (LWG).
- Panicum sumatrense*** Roth ex Roem. & Schult.
Along roadsides. *Fl. & Fr.*: September – October. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37646 (BSA); Bijnor, V. Chandra & party 43718 (LWG); Oudh, R. Thompson Acc. No. 520815 (CAL); Saharanpur, V. Chandra & party 42735 (LWG).
- Paspalidium flavidum*** (Retz.) A.Camus
Along ditches, ponds and lakes. *Fl. & Fr.*: July – December. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37618 (BSA); Balrampur, K.K. Khanna 59962 (BSA); Basti, K.K. Khanna 39837 (BSA); Bijnor, V. Chandra & party 43710 (LWG); Pilibhit, C.L. Malhotra 50829 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 793 (BSD); Sant Kabir Nagar, K.K. Khanna 67873 (BSA).
- Paspalidium geminatum*** (Forssk.) Stapf
In wet places. *Fl. & Fr.*: July – December. *Selected specimens*: Sant Kabir Nagar, K.K. Khanna 68507, 68570 (BSA).
- Paspalidium punctatum*** (Burm.f.) A.Camus
In marshy places. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, G. Panigrahi 6659A (BSA); Sant Kabir Nagar, K.K. Khanna 67945 (BSA).
- Paspalum distichum*** L.
Along ponds and canals. *Fl. & Fr.*: August – September. *Selected specimens*: Bahraich, G. Panigrahi 6389 (BSA); Gorakhpur, M.A. Rau 12303 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 83 (BSD).
- Paspalum scrobiculatum*** L.
In moist places and wetlands. *Fl. & Fr.*: August – September. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37617 (BSA); Balrampur, K.K. Khanna 68163 (BSA); Gonda, K.K. Khanna & Ram Saran 37244, 37275 (BSA); Gorakhpur, C.M. Arora 1481 (BSA); Kheri, C.L. Malhotra 23559 (BSD); Saharanpur, J.V.S. Rao 39848 (CAL); Sant Kabir Nagar, K.K. Khanna 65581 (BSA).
- Paspalum vaginatum*** Sw.
Along the bank of water courses. *Fl. & Fr.*: August – September. *Selected specimens*: Bahraich, G. Panigrahi 6609 (BSA); Balrampur, K.K. Khanna 65314 (BSA); Saharanpur, B.K. Shukla 57112 (BSA); Sant Kabir Nagar, K.K. Khanna 65540, 67944 (BSA).
- Pennisetum glaucum*** (L.) R.Br. (Vern.: Bajra)
Cultivated. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, K.K. Khanna 38708 (BSA), K.K. Khanna & Ram Saran 37115 (BSA); Gorakhpur, S.N. Dixit Acc. No. 45982 (LWG); Saharanpur, V. Chandra & party 43763 (LWG).
- Pennisetum pedicellatum*** Trin.
In mixed forests and along lakes. *Fl. & Fr.*: August – December. *Selected specimens*: Balrampur, K.K. Khanna 68162 (BSA); Bijnor, V. Chandra & party 43773 (LWG); Sant Kabir Nagar, K.K. Khanna 67980 (BSA).
- Pennisetum polystachion*** (L.) Schult.
Along roadsides. *Fl. & Fr.*: September – November. *Selected specimen*: Pilibhit, Sri Ram Acc. No. 58767 (DD).
- Pennisetum purpureum*** Schumacher.
In mixed forests. *Fl. & Fr.*: September – November. *Selected specimen*: Bahraich, G. Panigrahi 6654A (BSA).
- Perotis hordeiformis*** Nees ex Hook. & Arn.
In wastelands. *Fl. & Fr.*: September – October. *Selected specimen*: Kheri, C.L. Malhotra 23609 (BSD).
- Perotis indica*** (L.) Kuntze
Along roadsides and in fallow lands. *Fl. & Fr.*: October – November. *Selected specimens*: Bahraich, G. Panigrahi 6366 (BSA); Gonda, K.K. Khanna & Ram Saran 39257 (BSA); Kheri, B.P. Uniyal 88946 (BSD); Moradabad, H.B. Naithani Acc. No. 144846 (DD); Saharanpur, Y.S. Murty & A.K. Goel 943 (BSD); Sant Kabir Nagar, K.K. Khanna 67988 (BSA).
- Phacelurus speciosus*** (Steud.) C.E.Hubb.
In shady places of mixed forests. *Fl. & Fr.*: September – October. *Selected specimen*: Bahraich, G. Panigrahi & O.P. Misra 6466 (BSA).
- Phalaris minor*** Retz.
In wastelands and cultivated fields. *Fl. & Fr.*: January – March. *Selected specimens*: Bahraich, C.L. Malhotra 26662 (BSD); Balrampur, K.K. Khanna 68161 (BSA); Bijnor, C.L. Malhotra 20257 (BSD); Gonda, J.K. Maheshwari 81587 (LWG); Kheri, Inayat 22923 (CAL).
- Phragmites karka*** (Retz.) Trin. ex Steud. (Vern.: Narkul)

In marshy places of ponds, large drains, swamps and lakes. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, G. Panigrahi 6462 (BSA); Balrampur, K.K. Khanna 65306, 65318 (BSA); Bijnor, V. Chandra & party 43662 (LWG); Pilibhit, C.L. Malhotra 42396 (BSD); Sant Kabir Nagar, K.K. Khanna 65545, 68506 (BSA).

Pogonatherum paniceum (Lam.) Hack.

In moist shady places. *Fl. & Fr.*: July – September. *Selected specimens*: Bahraich, G. Panigrahi 2974 (BSA); Gonda, Sri Ram s.n. (DD); Saharanpur, B.K. Shukla 57215 (BSA).

Polypogon fugax Nees ex Steud.

In moist places. *Fl. & Fr.*: January – March. *Selected specimen*: Moradabad, H.B. Naithani 6907 (DD).

Polypogon monspeliensis (L.) Desf.

In moist shady places. *Fl. & Fr.*: January – March. *Selected specimens*: Bahraich, G. Panigrahi 2800 (BSA); Gorakhpur, Harsukh 22924(a) (DD); Kheri, Inayat 22924 (DD); Saharanpur, M.A. Rau 14673 (BSD).

Pseudosorghum fasciculare (Roxb.) A.Camus

In mixed forests. *Fl. & Fr.*: September – December. *Selected specimen*: Bahraich, G. Panigrahi 6399 (BSA).

Rottboellia cochinchinensis (Lour.) Clayton

In moist places and along the edges of forests. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, G. Panigrahi 6630 (BSA); Balrampur, K.K. Khanna 67900 (BSA); Kheri, Sri Ram Acc. No. 46486 (DD); Pilibhit, C.L. Malhotra 42649 (BSD); Sant Kabir Nagar, K.K. Khanna 67874 (BSA).

Saccharum arundinaceum Retz.

Along the bank of ponds and streams. *Fl. & Fr.*: January – February. *Selected specimens*: Bahraich, O.P. Misra 7928 (CAL); Balrampur, K.K. Khanna 68675 (BSA).

Saccharum bengalense Retz. (Vern.: Moonj, Moonja)

Along roadsides and grown as a fence around cultivated fields. *Fl. & Fr.*: October – November. *Selected specimens*: Bahraich, K.K. Khanna & Ram Saran 37656 (BSA); Balrampur, K.K. Khanna 67899 (BSA); Gonda, G.S. Srivastava 16897 (LWG); Kheri, G. Saran & party 25783 (LWG); Pilibhit, C.L. Malhotra 42850 (BSD); Saharanpur, without collector's name Acc. No. 10770 (DD).

Saccharum filifolium Nees ex Steud.

On hill slopes. *Fl. & Fr.*: October – December. Bijnor (Raizada et al. in Indian Forest Rec. 4(7): 188. 1957).

Saccharum longisetosum (Andersson) V.Naray. ex Bor

Along roadsides. *Fl. & Fr.*: October – December. *Selected specimens*: Gonda, Sri Ram Acc. No. 46968 (DD); Gorakhpur, Sri Ram Acc. No. 46967 (DD).

Saccharum narenga (Nees ex Steud.) Hack.

In sal forests. *Fl. & Fr.*: October – January. *Selected specimens*: Bahraich, G. Panigrahi 6436 (BSA); Gorakhpur, C.M. Arora 1528 (BSA); Kheri, J.N. Onial Acc. No. 48446 (DD); Pilibhit, Sri Ram Acc. No. 46810 (DD).

Saccharum officinarum L. (Vern.: Ganna)

Cultivated. *Fl. & Fr.*: January – April. *Selected specimens*: Moradabad, H.L. Prasad 80015 (BSD); Sant Kabir Nagar, K.K. Khanna 68531 (BSA).

Saccharum spontaneum L. (Vern.: Kaans)

Along roadsides, streams and in swampy places. *Fl. & Fr.*: October – December. *Selected specimens*: Bahraich, O.P. Misra 7915 (CAL); Balrampur, K.K.

Khanna 68669 (BSA); Kheri, B.P. Uniyal 88934 (BSD); Pilibhit, C.L. Malhotra 42788 (BSD); Sant Kabir Nagar, K.K. Khanna 67979 (BSA); Sitapur, Hiralal 19856 (LWG).

Sacciolepis indica (L.) Chase

In wet fields and marshy places. *Fl. & Fr.*: August – December. *Selected specimens*: Balrampur, K.K. Khanna & Ram Saran 39147 (BSA); Pilibhit, Sri Ram Acc. No. 57557 (DD).

Sacciolepis myosuroides (R.Br.) A.Camus

Along edges of ponds and water logged areas. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, G. Panigrahi & O.P. Misra 6460 (BSA); Pilibhit, C.L. Malhotra 42695 (BSD).

Schizachyrium brevifolium (Sw.) Nees ex Buse

In wastelands and grasslands. *Fl. & Fr.*: September – January. *Selected specimens*: Bahraich, G. Panigrahi 6627 (BSA); Balrampur, K.K. Khanna & Ram Saran 39173 (BSA); Pilibhit, Sri Ram Acc. No. 57332 (DD).

Setaria intermedia Roem. & Schult.

In moist shady places. *Fl. & Fr.*: August – December. *Selected specimens*: Balrampur, K.K. Khanna 67998 (BSA); Gorakhpur, G. Panigrahi & Ram Saran 10608 (BSA); Kheri, C.L. Malhotra 23586 (BSD); Pilibhit, C.L. Malhotra 50830 (BSD); Saharanpur, Duthie, s.n. (DD); Sant Kabir Nagar, K.K. Khanna 67998 (BSA).

Setaria italica (L.) P.Beauv.

Cultivated. *Fl. & Fr.*: July – October. *Selected specimens*: Gorakhpur, S.N. Dixit Acc. No. 45983 (LWG); Saharanpur, B.K. Shukla 57262 (BSA).

Setaria palmifolia (J.Koenig) Stapf

In mixed forests. *Fl. & Fr.*: October – December. Saharanpur (Raizada & Jain in Indian Forest Rec. 5(3): 201. 1964).

Setaria pumila (Poir.) Roem. & Schult.

In grasslands and wastelands. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, G. Panigrahi 6447 (BSA); Gonda, K.K. Khanna & Ram Saran 37157 (BSA); Gorakhpur, G. Panigrahi 6486 (CAL); Kheri, C.L. Malhotra 13367 (BSD); Pilibhit, C.L. Malhotra 50877 (CAL).

Setaria verticillata (L.) P.Beauv.

In moist wastelands. *Fl. & Fr.*: August – October. *Selected specimens*: Bahraich, S.D. Maliya 223621 (LWG); Balrampur, K.K. Khanna 67898 (BSA); Bijnor, V. Chandra & party 43734 (LWG); Pilibhit, C.L. Malhotra 42986 (BSD); Saharanpur, Y.S. Murty & A.K. Goel 327 (BSD); Sant Kabir Nagar, K.K. Khanna 67943 (BSA).

Setaria viridis (L.) P.Beauv.

In grasslands. *Fl. & Fr.*: July – October. *Selected specimen*: Bijnor, V. Chandra & party 43754 (LWG).

Sorghum cernuum (Ard.) Host var. ***globosum*** (Hack.) Snowden

Cultivated. *Fl. & Fr.*: September – November. *Selected specimen*: Bijnor, C.L. Malhotra 20258 (BSD).

Sorghum durra (Forssk.) Stapf var. ***javanicum*** (Hack.) Snowden

Cultivated. *Fl. & Fr.*: September – December. *Selected specimen*: Kheri, G. Saran & party 26632 (LWG).

Sorghum halepense (L.) Pers.

In grasslands. *Fl. & Fr.*: August – November. *Selected specimen*: Saharanpur, V. Chandra & party 42723 (LWG).

Sorghum nitidum (Vahl) Pers.

In grasslands. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, G. *Panigrahi* 6623 (BSA); Pilibhit, C.L. *Malhotra* 42773 (BSD).

Sporobolus coromandelianus (Retz.) Kunth
In grasslands. *Fl. & Fr.*: September – October. *Selected specimens*: Bahraich, S.D. *Maliya* 223703 (LWG); Gonda, V. *Chandra & party* 12545 (LWG).

Sporobolus diandrus (Retz.) P.Beauv.
In wastelands and on outskirts of forests. *Fl. & Fr.*: September – December. *Selected specimens*: Bahraich, G. *Panigrahi* 6410 (BSA); Gonda, without collector's name 13 (DD); Gorakhpur, G. *Panigrahi* & *Ram Saran* 10700 (BSA).

Sporobolus indicus (L.) R.Br.
In moist places. *Fl. & Fr.*: September – November. *Selected specimens*: Bahraich, S.D. *Maliya* 223704 (LWG); Bijnor, V. *Chandra & party* 43762 (LWG).

Themeda anathera (Nees ex Steud.) Hack.
In mixed forests. *Fl. & Fr.*: September – November. *Selected specimen*: Gonda, *Ganesh Prasad* 44 (DD).

Themeda arundinacea (Roxb.) A.Camus
In mixed forests. *Fl. & Fr.*: October – November. *Selected specimens*: Bahraich, G. *Panigrahi* 6630A (CAL); Bijnor, V. *Chandra & party* 43749 (LWG); Gorakhpur, G. *Panigrahi* 6630 (CAL); Kheri, C.L. *Malhotra* 13448 (BSD); Pilibhit, C.L. *Malhotra* 13402 (BSD).

Themeda quadrivalvis (L.) Kuntze
In mixed forests and grasslands. *Fl. & Fr.*: October – February. *Selected specimens*: Balrampur, K.K. *Khanna* 67895 (BSA); Bijnor, V. *Chandra & party* 43775 (LWG); Muzaffarnagar, R.C. *Bharadwaja* Acc. No. 11377 (LWG).

Themeda strigosa (Buch.-Ham. ex Hook.f.) A.Camus
In scrub forests. *Fl. & Fr.*: October – November. *Selected specimens*: Bahraich, M.A. *Rau* 8244 (BSD), O.P. *Misra* 7707 (CAL); Gonda, *Ram Pher* 16925 (LWG); Gorakhpur, C.M. *Arora* 1435 (CAL).

Thysanolaena latifolia (Roxb. ex Hornem.) Honda (Vern.: *Phool-jharu*)

In moist places and along water courses. *Fl. & Fr.*: August – December. *Selected specimens*: Bahraich, G. *Panigrahi* 2991 (CAL); Balrampur, K.K. *Khanna* 67824, 67896 (BSA); Kheri, *Inayat* 22928 (DD); Saharanpur, U.C. *Bhattacharyya* 49458 (CAL); Sant Kabir Nagar, K.K. *Khanna* 65578 (BSA).

Tragus mongolorum Ohwi
In wastelands. *Fl. & Fr.*: August – December. *Selected specimen*: Saharanpur, Y.S. *Murty & A.K. Goel* 1860 (BSD).

Triticum aestivum L. (Vern.: *Gehun*)
Cultivated. *Fl. & Fr.*: January – March. *Selected specimens*: Bahraich, S.D. *Maliya* 225926 (LWG); Balrampur, K.K. *Khanna* 68657 (BSA); Saharanpur, B.K. *Shukla* 57190 (BSA).

Urochloa panicoides P.Beauv.
In gardens and fields. *Fl. & Fr.*: August – December. *Selected specimen*: Balrampur, K.K. *Khanna* & *Ram Saran* 37289 (BSA).

Vetiveria zizanioides (L.) Nash (Vern.: *Barhni*, *Seenk*)
Along forest roads and in water logged places. *Fl. & Fr.*: August – November. *Selected specimens*: Bahraich, K.K. *Khanna* & *Ram Saran* 38579 (BSA); Balrampur, K.K. *Khanna* 67897 (BSA); Kheri, C.L. *Malhotra* 13392 (BSD); Pilibhit, C.L. *Malhotra* 42824 (BSD); Sant Kabir

Nagar, K.K. *Khanna* 65563 (BSA); Sitapur, B.K. *Shukla* 61245 (BSA).

Vulpia myuros (L.) C.C. Gmel.
In cultivated fields. *Fl. & Fr.*: October – March. Saharanpur (Raizada et al., *Grasses Upper Gangetic Plain Part III*. 58. 1983).

Vulpia octoflora (Walter) Rydb.
In wastelands. *Fl. & Fr.*: October – March. Saharanpur (Raizada et al., *Grasses Upper Gangetic Plain Part III*. 59. 1983).

Zea mays L. (Vern.: *Makka*)
Cultivated throughout the region. *Fl. & Fr.*: June – September. *Selected specimens*: Balrampur, K.K. *Khanna* 68662 (BSA); Kheri, *Inayat* 22913 (DD); Saharanpur, Y.S. *Murty & A.K. Goel* 846 (BSD).

DISCUSSION

An analysis of data indicates that a total of 1753 species and 40 infraspecific taxa belonging to 845 genera and 165 families have been recorded from terai region, Uttar Pradesh. Out of these 1307 species and 34 infraspecific taxa under 658 genera and 134 families belong to dicot while 446 species and 6 infraspecific taxa under 187 genera and 31 families belong to monocot. Occurrence of such a high number of species in the region is an indication of high floristic richness of the area. In addition, 10 species viz., *Illicium griffithii* Hook.f. & Thomson, *Cyperus cephalotes* Vahl, *Cyperus pulcherrimus* Willd. ex Kunth, *Fimbristylis aphylla* Steud., *Scleria annularis* Steud., *Scleria terrestris* (L.) Fassett, *Coelachne simpliciuscula* (Wight & Arn. ex Steud.) Munro ex Benth., *Echinochloa picta* (J.Koenig) P.W.Michael, *Eragrostis patula* (Kunth) Steud., *Oryza minuta* J.Presl ex K.Presl are reported as new records for the state of Uttar Pradesh.

Further, the analysis of 10 dominant families indicates that Poaceae is the most dominant family as it is represented by 193 species and this is followed by Fabaceae (150 spp.), Asteraceae (108 spp.), Cyperaceae (100 spp.), Acanthaceae (53 spp.), Rubiaceae (44 spp.), Scrophulariaceae (42 spp.), Lamiaceae (40 spp.), Euphorbiaceae (39 spp.) and Convolvulaceae (37 spp.).

Among the ten dominant genera of angiosperms, *Cyperus* (33 spp.) is the most dominant genus followed by *Fimbristylis* (17 spp.), *Crotalaria*, *Ipomoea*, *Euphorbia*, *Ficus*, *Eragrostis* (16 spp. each), *Solanum*, *Polygonum* (14 spp. each) and *Acacia* (13 spp.). Similar findings have been reported by earlier workers (Sharma et al., 2009; Pandey and Tripathi, 2010; Joshi and Shringi, 2014; Tiwari and Khanna, 2014; Khanna, 2015a, 2015b, 2015c; Tiwari et al., 2015, 2017; Joshi, 2018).

A perusal of literature indicates that eight taxa are endemic in the region. These are *Derris kanjilalii* Sahni & Naithani, *Derris macrocarpa* Thoth., *Derris scandens* (Roxb.) Benth. var. *scandens* and var. *saharanpurensis* (Thoth.) Thoth., *Indigofera thothathrii* Sanjappa, *Cymbopogon osmastonii* R.Parker, *Diospyros holeana* Gupta & Kanjilal and *Brachystelma pauciflorum* Duthie.

It is apparent from the field observations that a number of plants are rare in the region as their population is quite low. Such plants are *Clematis cadmia* Buch.-Ham. ex Hook.f. & Thomson, *Uvaria hamiltonii* Hook.f. & Thomson, *Crateva unilocularis*

Buch.-Ham., *Viola cinerea* Boiss. var. *stocksii* (Boiss.) W.Becker, *Pittosporum napaulense* (DC.) Rehder & E.H.Wilson, *Polygala erioptera* DC., *Hypericum oblongifolium* Choisy, *Abutilon theophrasti* Medik., *Grewia rothii* DC., *Hiptage benghalensis* (L.) Kurz, *Hydrocera triflora* (L.) Wight & Arn., *Heynea trijuga* Roxb. ex Sims, *Maytenus royleana* (Wall. ex M.A.Lawson) Cufod., *Salacia chinensis* L., *Naringi crenulata* (Roxb.) Nicolson, *Leea macrophylla* Roxb. ex Hornem., *Meliosma simplicifolia* (Roxb.) Walp., *Alysicarpus roxburghianus* Thoth. & Pramanik, *Desmodium benthamii* N.P.Balacr., *Flemingia praecox* C.B.Clarke ex Prain, *Flemingia prostrata* Roxb., *Ohwia caudata* (Thunb.) H.Ohashi, *Rhynchosia viscosa* (Roth) DC., *Anogeissum pendula* Edgew., *Osbeckia chinensis* L., *Neosomitra clavigera* (Wall.) Hutch., *Mollugo cerviana* (L.) Ser., *Bupleurum hamiltonii* N.P.Balacr., *Bupleurum ramosissimum* Wight & Arn., *Cnidium monnieri* (L.) Cusson, *Pimpinella heyneana* (DC.) Kurz, *Vicatia conifolia* Wall. ex DC., *Argostemma sarmentosum* Wall., *Lobelia heyneana* Schult., *Lysimachia obovata* Buch.-Ham. ex Wall., *Maesa indica* (Roxb.) A.DC., *Diospyros chloroxylon* Roxb., *Diospyros holeana* Gupta & Kanjilal, *Symplocos racemosa* Roxb., *Jasminum brevipetiolatum* Duthie ex Brandis, *Olea paniculata* R.Br., *Chonemorpha verrucosa* (Blume) Mabb., *Wrightia tinctoria* R.Br., *Marsdenia lucida* Edgew. ex Madden, *Gentiana decemfida* Buch.-Ham. ex D.Don, *Cordia macleodii* (Griff.) Hook.f. & Thomson, *Heliotropium ellipticum* Ledeb., *Ipomoea rumicifolia* Choisy, *Cuscuta santapau* Banerji & Sitesh Das, *Mimulus strictus* Benth., *Striga sulphurea* Dalzell & A.Gibson, *Utricularia australis* R.Br., *Asystasia macrocarpa* Nees, *Justicia micrantha* (Oerst.) V.A.W.Graham, *Justicia procumbens* L., *Staurogyne polybotrya* (Nees) Kuntze, *Clinopodium capitellatum* (Benth.) Kuntze, *Laportea interrupta* (L.) Chew., *Urtica dioica* L., *Celtis timorensis* Span., *Trema tomentosa* (Roxb.) H.Hara, *Ficus microcarpa* L.f., *Ficus squamosa* Roxb., *Salix denticulata* Andersson, *Dioscorea esculenta* (Lour.) Burkill, *Lilium polyphyllum* D.Don, *Asparagus trichophyllus* Bunge, *Chlorophytum nimmonii* Dalzell, *Smilax wightii* A.DC., *Juncus himalensis* Klotzsch, *Sparganium erectum* L., *Actinoscirpus grossus* (L.f.) Goetgh. & D.A.Simpson, *Carex filicina* Nees, *Cyperus imbricatus* Retz., *Cyperus pulcherrimus* Willd. ex Kunth, *Eriophorum comosum* (Wall.) Nees, *Fimbristylis aphylla* Steud., *Fuirena umbellata* Rottb., *Kyllinga tenuifolia* Steud., *Rhynchospora hookeri* Boeck., *Scleria terrestris* (L.) Fassett, *Acrachne racemosa* (B.Heyne ex Roth) Ohwi, *Apocopsis paleacea* (Trin.) Hochr., *Arthraxon lancifolius* (Trin.) Hochst., *Bothriochloa kuntzeana* (Hack.) Henrard, *Brachiaria kurzii* (Hook.f.) A.Camus, *Brachiaria subquadripata* (Trin.) Hitchc., *Capillipedium assimile* (Steud.) A.Camus, *Coelachne simpliciuscula* (Wight & Arn. ex Steud.) Munro ex Benth., *Cymbopogon microstachys* (Hook.f.) Soenarko, *Cymbopogon schoenanthus* (L.) Spreng., *Dichanthium foveolatum* (Delile) Roberty, *Digitaria radicata* (J.Presl) Miq., *Digitaria sanguinalis* (L.) Scop., *Digitaria violascens* Link, *Eragrostiella bifaria* (Vahl) Bor, *Eulalia hirtifolia* (Hack.) A.Camus, *Hymenachne amplexicaulis* (Rudge) Nees, *Iseilema antheophoroides* Hack., *Lolium temulentum* L., *Melanocentris jacquemontii* Jaub. & Spach, *Ophiuros exaltatus* (L.) Kuntze, *Panicum repens* L., *Paspalidium geminatum* (Forssk.) Stapf, *Perotis*

hordeiformis Nees, *Phacelurus speciosus* (Steud.) Hubb., *Setaria viridis* (L.) P.Beauv., *Themeda anathera* (Nees ex Steud.) Hack., *Tragus mongolorum* Ohwi and *Urochloa panicoides* P.Beauv.

Thus, the present findings are highly significant as these provide the status of angiospermic plant wealth of the region which will be useful to botanists, foresters and planners. The results also fulfil the point given in chapter IX of the Biological Diversity Bill 2000 of India as well as article 7 of Convention on Biological Diversity (CBD).

ACKNOWLEDGEMENTS

The author is thankful to the Director, Botanical Survey of India, Kolkata and Scientist-in-charge, Botanical Survey of India, Central Regional Centre, Allahabad for providing necessary facilities.

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