

## Additions to the checklist of Indian lichens after 2010

G.P. Sinha<sup>1</sup>, Sanjeeva Nayaka<sup>2\*</sup> and Siljo Joseph<sup>2</sup>

<sup>1</sup>Botanical Survey of India, Central Regional Centre, 10-Chatham Lines, Allahabad – 211 002, Uttar Pradesh, India

<sup>2</sup>Lichenology Laboratory, CSIR-National Botanical Research Institute, Rana Pratap Marg, Lucknow – 226 001, Uttar Pradesh, India

### Publication Info

#### Article history:

Received : 17.01.2018

Accepted : 18.01.2018

DOI: <https://doi.org/10.21756/cab.esp16>

#### Key words:

Lichen Checklist, New Species,  
New Records, Biodiversity, India

#### \*Corresponding author:

Email:nayaka.sanjeeva@gmail.com

### ABSTRACT

The present communication includes a list of 411 species of lichens under 147 genera reported or described from India after the publication of Indian Lichens: An Annotated Checklist by Singh and Sinha (2010). According to latest issue of Plant Discoveries 2016 (Singh and Dash, 2017) 2511 species of lichens are known from India. However, a thorough collation including less popular and online journals where taxonomic novelties in the form of new records are not mentioned, revealed significant increase during the past seven years. By addition of 411 species to the list of Singh and Sinha (2010), now the total number of lichens for India raises up to 2714 species. However, due to nomenclature changes and synonymy, revisions, etc. this data may change. Few species which were not included in Singh and Sinha (2010) are also included in this list. Species simply transferred to other genera without affecting the number tally are not listed here. Like-wise obligate lichenicolous and non-lichenized fungi are not included in the present list.

The current list indicates that large number of taxa are reported from the family Graphidaceae (106 spp.) where genus *Graphis* alone counts 34 species. Large number of taxa are also reported from order Arthoniales (52 species) with *Opegrapha* representing 17 species. The species listed here follows the pattern of; species name (in bold), reference, and name of the state from where the species is reported. For the references cited in this paper readers may refer ‘Bibliography to the Indian lichens from the year 2010 onwards’ by Joseph et al. (2018) published in the same issue of this journal.

### LIST OF SPECIES

**Acanthothecis archeri** B.O. Sharma, Makhija & Khadilkar, (Sharma et al., 2010). Andaman & Nicobar Islands.

**Acanthothecis celata** B.O. Sharma, Makhija & Khadilkar, (Sharma et al., 2010). Karnataka.

**Acanthothecis coccinea** B.O. Sharma, Makhija & Khadilkar, (Sharma et al., 2010). Meghalaya.

**Acanthothecis gracilis** Staiger & Kalb, (Joshi and Upreti, 2016). Kerala and Tamil Nadu.

**Acanthothecis leucoxantha** (Müll Arg.) Staiger & Kalb, (Rout et al., 2010). Assam.

**Acarospora angolensis** H. Magn., (Gupta et al., 2014). Uttarakhand.

**Acarospora badiofuscata** (Nyl.) Th. Fr., (Mishra and Upreti, 2015). Uttarakhand.

**Acarospora carnegiei** Zahlbr., (Gupta et al., 2014). Uttarakhand.

**Acarospora hassei** Herre, (Mishra and Upreti, 2015). Uttarakhand.

**Acarospora molybdina** (Ach.) Trevis., (Sinha and Gupta, 2017). Sikkim.

**Acarospora peltastica** Zahlbr., (Mishra and Upreti, 2015). Uttarakhand.

**Acarospora saxicola** Fink, (Rawat et al., 2014). Uttarakhand.

**Acarospora scabra** (Pers.) Th. Fr., (Gupta et al., 2014). Uttarakhand.

**Acarospora tominiana** H. Magn., (Goni and Sharma, 2015). Jammu and Kashmir.

**Acarospora veronensis** A. Massal., (Upreti et al., 2010). Uttarakhand.

**Agonimia allobata** (Stizenb.) P. James, (Gupta and Sinha, 2016). Uttar Pradesh.

**Agonimia opuntiella** (Buschardt & Poelt) Vizda, (Bajpai et al., 2015). Rajasthan.

**Agonimia tristicula** (Nyl.) Zahlbr., (Upreti et al., 2013). Arunachal Pradesh.

**Allocertraria oakesiana** (Tuck.) A. Thell., (Mishra and Upreti, 2015). Uttarakhand.

**Alyxoria culmigena** (Lib.) Ertz, (Joseph et al., 2016). Andaman and Nicobar Islands.

- Anisomeridium albisedum** (Nyl.) R.C. Harris, (Bajpai and Upreti, 2011). Maharashtra.
- Anisomeridium ambiguum** (Zahlbr.) R.C. Harris (Sethy et al., 2012). Andaman Islands.
- Anisomeridium angulosum** (Müll. Arg.) R.C. Harris, (Randive et al., 2017). Goa.
- Anisomeridium glaucescens** (Müll. Arg.) R. C. Harris, (Joshi and Upreti, 2016). Kerala.
- Anisomeridium polypori** (Ellis & Everh.) M.E. Barr, (Joshi et al., 2014). Uttarakhand.
- Anomomorpha elegans** B.O. Sharma, Makhija & Khadilkar, (Sharma et al., 2010). Karnataka.
- Anthracothecium subruanum** Makhija & Patw., (Karakoti et al., 2014). Uttarakhand.
- Architypethelium nitens** (Fée) Aptroot., (Singh and Kumar, 2012). Odisha.
- Arthonia abnormis** (Ach.) Nyl., (Kholia et al., 2012). Uttarakhand.
- Arthonia pellaea** Leight., (Sethy et al., 2012). Andaman & Nicobar Islands.
- Arthonia reidneri** Grube., (Singh, 2014). Meghalaya.
- Arthonia speciosa** (Müll. Arg.) Grube, (Jagadeesh Ram and Sinha, 2017). Andaman & Nicobar Islands.
- Arthopyrenia malaccitula** (Nyl.) Zahlbr., (Jagadeesh Ram and Sinha, 2017). Andaman & Nicobar Islands.
- Arthopyrenia saxicola** A. Massal. (Singh et al., 2015). Arunachal Pradesh.
- Arthothelium distendens** (Nyl.) Müll. Arg., (Jagadeesh Ram et al., 2012). West Bengal.
- Arthothelium ruanum** (A. Massal.) Körb., (Makhija et al., 2014). Maharashtra.
- Arthothelium subbessale** (Nyl.) Makhija & Patw., (Singh et al., 2015). Arunachal Pradesh.
- Aspidothelium fugiens** (Müll. Arg.) R. Sant., (Singh and Pinokiyo, 2014). Andaman & Nicobar Islands.
- Asterothyrium microsporum** R. Sant., (Gupta and Sinha, 2014). Assam.
- Aulaxina dictyospora** R. Sant., (Jagadeesh Ram, 2015). Andaman & Nicobar Islands.
- Aulaxina opegraphina** Fée, (Jagadeesh Ram, 2015). Andaman & Nicobar Islands.
- Bacidia albicerata** (Kremp.) Zahlbr., (Makhija et al., 2014). Maharashtra.
- Bacidia arceutina** (Ach.) Rehm & Arnold, (Joseph and Sinha, 2012). Sikkim.
- Bacidia delicata** (Larbal. ex Leighton) Coppins, (Mishra et al., 2012). Uttarakhand.
- Bacidia heterochroa** (Müll. Arg.) Zahlbr., (Joseph and Sinha, 2012). Sikkim.
- Bacidia subacerina** Nyl. ex Vain., (Makhija et al., 2014). Maharashtra.
- Bactrospora acicularis** (Dodge) Egea & Torrente, (Logesh et al., 2014). West Bengal.
- Bactrospora carolinensis** (Ellis & Everh.) R. C. Harris, (Jagadeesh Ram, 2014). Andaman & Nicobar Islands.
- Bactrospora intermedia** Egea & Torrente, (Logesh et al., 2014). Kerala.
- Bactrospora leptoloma** (Müll. Arg.) Egea & Torrente, (Jagadeesh Ram and Sinha, 2017). Andaman & Nicobar Islands.
- Bactrospora littoralis** Jagadeesh, (Jagadeesh Ram, 2014). Andaman & Nicobar Islands.
- Bactrospora medians** Jagadeesh, (Jagadeesh Ram, 2014). Andaman & Nicobar Islands.
- Baeomyces carneus** (Retz.) Flörke, (Upreti et al., 2013). Arunachal Pradesh.
- Bryoria nepalensis** D.D. Awasthi, (Rai and Upreti, 2014). Sikkim.
- Bryoria rigida** P.M. Jørg. & Myllys, (Jørgensen et al., 2012). Sikkim.
- Buellia aeruginascens** (Nyl.) Zahlbr., (Logesh et al., 2015). Mizoram.
- Buellia asterella** Poelt & Sulzer., (Rai and Upreti, 2014). Himachal Pradesh.
- Buellia glaziouana** (Kremp.) Müll. Arg., (Makhija et al., 2014). Maharashtra.
- Buellia tincta** H. Magn., (Makhija et al., 2014). Maharashtra.
- Bulbothrix ventricosa** (Hale & Kurok.) Hale, (Jagadeesh Ram, 2015). Andaman & Nicobar Islands.
- Byssoloma vezdanum** Sérus., (Jagadeesh Ram, 2015). Andaman & Nicobar Islands.
- Calenia graphidea** Vain., (Jagadeesh Ram, 2015). Andaman & Nicobar Islands.
- Calicium indicum** Tibell, (Singh et al., 2015). Arunachal Pradesh.
- Caloplaca appressa** Wetmore & Kärnefelt, (Goni and Sharma, 2015). Jammu & Kashmir.
- Caloplaca approximata** (Lynge) H. Magn., (Mishra and Upreti, 2015). Uttarakhand.
- Caloplaca arenaria** (Pers.) Müll. Arg., (Mishra and Upreti, 2015). Uttarakhand.

- Caloplaca conciliascens** (Nyl.) Zahlbr., (Mohabe et al., 2010). Madhya Pradesh.
- Caloplaca fraudans** (Th. Fr.) H. Olivier, (Singh and Husain, 2012). Uttarakhand.
- Caloplaca gyrophorica** Jagadeesh, Y. Joshi & G.P. Sinha, (Joshi et al., 2012). West Bengal.
- Caloplaca inconspecta** Arup, (Makhija et al., 2012). Maharashtra.
- Caloplaca indica** Y. Joshi, Jagadeesh & G.P. Sinha, (Joshi et al., 2013). Arunachal Pradesh and West Bengal.
- Caloplaca indurata** V. Wirth & Vézda, (Sen, 2014). West Bengal.
- Caloplaca littoricola** Brodo, (Joshi and Upreti, 2011). Andhra Pradesh.
- Caloplaca lypera** Poelt & Hinter., (Joshi and Upreti, 2011). Uttarakhand.
- Caloplaca maura** Poelt & Hinter., (Joshi and Upreti, 2011). Sikkim.
- Caloplaca ochroplaca** Poelt & Hinter., (Mishra and Upreti, 2015). Uttarakhand.
- Caloplaca pachycheila** Poelt & Hinter., (Mishra and Upreti, 2015). Uttarakhand.
- Caloplaca parviloba** Wetmore, (Mishra and Upreti, 2015). Uttarakhand.
- Calvitimela aglaea** (Sommerf.) Hafellner, (Sinha and Gupta, 2017). Sikkim.
- Campylothelium nitidum** Müll. Arg., (Rashmi and Rajkumar, 2015). Karnataka.
- Candelariella nepalensis** Poelt & Reddi, (Kumar et al., 2012). Jammu & Kashmir.
- Candelariella reflexa** (Nyl.) Lettau., (Rawat et al., 2014). Uttarakhand.
- Carbacanthographis albolirellata** B.O. Sharma & Khadilkar, (Sharma et al., 2011). Tamil Nadu.
- Carbacanthographis indica** B.O. Sharma & Khadilkar, (Sharma et al., 2011). Meghalaya.
- Carbacanthographis sorediata** B.O. Sharma, Makhija & Khadilkar, (Sharma et al., 2010). Tamil Nadu.
- Cetrelia chicitae** (W.L. Culb.) W.L. Culb. & C.F. Culb., (Mishra and Upreti, 2015). Himachal Pradesh.
- Cetreliosis endoxanthoides** (D.D. Awasthi) Randlane & Saag, (Jagadeesh Ram and Sinha, 2010). West Bengal.
- Chaenotheca chrysoccephala** (Turner ex Ach.) Th. Fr., (Logesh et al., 2015). Mizoram.
- Chaenotheca furfurcea** (L.) Tibell., (Rawat et al., 2014). Uttarakhand.
- Chaenothecopsis savonica** (Räsänen) Tibell, (Gupta, 2015). Uttar Pradesh.
- Chapsa leprocarpoides** (Hale) Cáceres & Lücking, (Joshi et al., 2012). Karnataka.
- Chapsa patens** (Nyl.) Frisch, (Joshi et al., 2012). West Bengal.
- Chapsa phlyctioides** (Müll. Arg.) Mangold, (Sethy et al., 2012). Andaman Islands.
- Chapsa platycarpella** (Vain.) Frisch, (Joshi et al., 2012). Kerala.
- Chiodection andamanicum** Jagadeesh., (Jagadeesh Ram, 2014). Andaman & Nicobar Islands.
- Chiodection norsticticum** Jagadeesh., (Jagadeesh Ram, 2016). Andaman & Nicobar Islands.
- Chiodection malmei** G. Thor, (Jagadeesh Ram, 2015). Andaman & Nicobar Islands.
- Cladonia subconistea** Asahina, (Mishra and Upreti, 2015). Uttarakhand.
- Coccotrema cucurbitula** (Mont.) Müll. Arg., (Singh and Singh, 2012). Arunachal Pradesh.
- Coenogonium aciculatum** Lücking & Aptroot, (Gupta and Sinha, 2014). Uttar Pradesh.
- Coenogonium interplexum** Nyl., (Gupta and Sinha, 2014). Assam.
- Coenogonium kiggaense** Shravan Kumar & Y.L. Krishnamurthy, (Kumar and Krishnamurthy, 2015). Karnataka.
- Coenogonium dattatreynense** Shravan Kumar & Y.L. Krishnamurthy, (Kumar and Krishnamurthy, 2015). Karnataka.
- Coenogonium minimun** (Müll Arg.) Lücking., (Gupta and Sinha, 2014). Assam.
- Collema kauaiense** H. Magn., (Mishra and Upreti, 2015). Uttarakhand.
- Conotrema lumbricoides** Sipman, (Singh and Kumar, 2012). Odisha.
- Cresponea leprieurii** (Mont.) Egea & Torrente, (Jagadeesh Ram, 2013). Andaman Islands.
- Cryptothecia albomaculans** Jagadeesh & G.P. Sinha, (Jagadeesh Ram and Sinha, 2016). Andaman & Nicobar Islands.
- Cryptothecia aleurodes** (Nyl.) Makhija & Patw., (Jagadeesh Ram and Sinha, 2016). Andaman & Nicobar Islands.
- Cryptothecia elata** Jagadeesh & G.P. Sinha, (Jagadeesh Ram and Sinha, 2016). Andaman & Nicobar Islands.
- Cryptothecia elongata** Jagadeesh & G.P. Sinha, (Jagadeesh Ram and Sinha, 2016). Andaman & Nicobar Islands.

- Cryptothecia eungellae** G. Thor, (Jagadeesh & Sinha, 2016). Andaman & Nicobar Islands.
- Cryptothecia striata** G. Thor., (Jagadeesh Ramand Sinha, 2016). Andaman & Nicobar Islands.
- Cryptothecia superphyllinica** Jagadeesh & G.P. Sinha, (Jagadeesh Ram and Sinha, 2016). Andaman & Nicobar Islands.
- Cyphelium inquinans** (Sm.) Trevis., (Singh and Singh, 2014). Arunachal Pradesh.
- Dictyomeridium campylothelioides** (Aptroot & Sipman) Aptroot, M.P. Nelsen & Lücking, (Jagadeesh Ram and Sinha, 2017). Andaman & Nicobar Islands.
- Dictyonema irrigatum** (Berk. & M. A. Curtis) Lücking, (Jagadeesh Ram and Singh, 2014). Andaman & Nicobar Islands.
- Dimelaena tenuis** (Müll. Arg.) H. Mayrhofer & Wipel, (Upreti, Joshi and Bajpai, 2010). Madhya Pradesh.
- Diorygma agumbense** B.O. Sharma & Khadilkar, (Sharma and Khadilkar, 2012). Karnataka.
- Diorygma circumfusum** (Stirt.) Kalb, Staiger & Elix, (Dey et al., 2015). Assam.
- Diorygma dandeliense** B.O. Sharma & Khadilkar, (Sharma and Khadilkar, 2012). Karnataka.
- Diorygma karnatakense** B.O. Sharma & Khadilkar, (Sharma and Khadilkar, 2012). Karnataka.
- Diorygma kurnoolensis** Mohabe, (Mohabe et al., 2015). Andhra Pradesh.
- Diorygma pachygraphum** (Nyl.) Kalb, Staiger & Elix, (Singh et al., 2015). Arunachal Pradesh.
- Diorygma poitaei** (Fée) Kalb, Staiger and Elix, (Rashmi and Rajkumar, 2015). Karnataka.
- Diorygma reniforme** (Fée) Kalb, (Logesh et al., 2015). Mizoram.
- Diorygma rupicola** B.O. Sharma & Makhija, (Sharma and Makhija, 2012). Meghalaya, Nagaland and Sikkim.
- Diorygma soozanum** (Zahlbr.) M. Nakan. & Kashiw., (Daimari et al., 2014; Upreti et al., 2014; Singh and Singh, 2015;). Arunachal Pradesh, Assam, Nagaland and Tripura.
- Diploschistes microsporus** Lumbsch & Elix, (Singh and Singh, 2016). Meghalaya.
- Dirina indica** Upreti & Nayaka, (Tehler et al., 2013). Gujarat.
- Echinoplaca marginata** Lücking., (Gupta and Sinha, 2014). Assam.
- Enterographa nicobarica** Jagadeesh, (Jagadeesh Ram, 2016). Andaman & Nicobar Islands.
- Fibrillithecis argentea** (Müll. Arg.) Rivas Plata & Lücking, (Makhija et al., 2014). Maharashtra.
- Fissurina aggregatula** Common & Lücking, (Singh and Singh, 2016). Sikkim.
- Fissurina andamanensis** B.O. Sharma, Khadilkar & Makhija, (Sharma et al., 2012). Andaman Islands.
- Fissurina canlaoensis** (Vain.) Staiger, (Sharma et al., 2012). Andaman & Nicobar Islands.
- Fissurina cingalina** (Nyl.) Staiger, (Sharma et al., 2012). Kerala, Maharashtra and Tamil Nadu.
- Fissurina comparimuralis** Staiger, (Sharma et al., 2012). Kerala.
- Fissurina disposita** B.O. Sharma, Khadilkar & Makhija, (Sharma et al., 2012). Karnataka and Meghalaya.
- Fissurina humilis** (Vain.) Staiger, (Rout et al., 2010). Assam.
- Fissurina immersa** B.O. Sharma, Khadilkar & Makhija, (Sharma et al., 2012). Karnataka.
- Fissurina indica** B.O. Sharma, Khadilkar & Makhija, (Sharma et al., 2012). Assam and Kerala.
- Fissurina microcarpa** B.O. Sharma, Khadilkar & Makhija, (Sharma et al., 2012). Karnataka and Tamil Nadu.
- Fissurina nicobarensis** B.O. Sharma, Khadilkar & Makhija, (Sharma et al., 2012). Assam and Kerala.
- Fissurina nitidescens** (Nyl.) Nyl., (Sharma et al., 2012). Karnataka and Kerala.
- Fissurina rubiginosa** (Fée) Staiger, (Sharma et al., 2012). Tamil Nadu.
- Fissurina shivamoggensis** Pushpi Singh and Kr. P. Singh, (Singh and Singh, 2017). Karnataka.
- Fissurina simplex** B.O. Sharma, Khadilkar & Makhija, (Sharma et al., 2012). Karnataka and Kerala.
- Fissurina sporolata** B.O. Sharma, Khadilkar & Makhija, (Sharma et al., 2012). Karnataka.
- Fissurina subcontexta** Ach., (Singh et al., 2015). Arunachal Pradesh.
- Fissurina submonospora** B.O. Sharma, Khadilkar & Makhija, (Sharma et al., 2012). Karnataka, Kerala and Tamil Nadu.
- Fissurina subnitidula** (Nyl.) Staiger, (Sharma et al., 2012). Karnataka.
- Flavobathelium epiphyllum** Lücking, Aptroot & G. Thor, (Shubhramanaya and Krishnamurthy, 2016). Karnataka.
- Fuscopannaria praetermis** (Nyl.) P. M. Jørg., (Rawat et al., 2014). Uttarakhand.
- Gassicurtia acidobaeomyceta** Marbach, (Logesh et al., 2015). Mizoram.
- Graphidistra himalayana** Jagadeesh & G.P. Sinha, (Jagadeesh Ram and Sinha, 2011). West Bengal.
- Graphis andamanica** Swarnalatha, (Swarnalatha, 2017). Andaman & Nicobar Islands.

- Graphis anguilliformis** Taylor, (Singh and Sinha, Lichen Flora of Nagaland: 90. 1994). Nagaland (not included in Singh and Sinha, 2010).
- Graphis angustata** Eschw., (Biju et al., 2012). Kerala.
- Graphis consanguinea** (Müll. Arg.) Lücking, (Singh and Singh, 2016). Tamil Nadu.
- Graphis copelandii** Vain., (Joshi and Upreti, 2016). Karnataka.
- Graphis crassilabra** Müll. Arg., (Singh and Singh, 2015). Meghalaya.
- Graphis crebra** Vain. (Singh and Swarnalatha, 2011). Arunachal Pradesh.
- Graphis cycasicola** A.W. Archer & Elix, (Singh et al., 2011). Arunachal Pradesh.
- Graphis daintreensis** (A.W. Archer) A.W. Archer (as daintriensis), (Singh and Swarnalatha, 2011). Arunachal Pradesh.
- Graphis dimidiata** Vain., (Singh and Swarnalatha, 2011). Arunachal Pradesh.
- Graphis elevativerrucosa** Chitale, Makhija & B.O. Sharma, (Chitale et al., 2011). Maharashtra.
- Graphis epimelaena** Müll. Arg., (Goni and Sharma, 2015). Jammu & Kashmir.
- Graphis farinulenta** Müll. Arg., (Singh et al., 2011). Arunachal Pradesh.
- Graphis ferruginea** Vain., (Joshi and Upreti, 2011). Tamil Nadu.
- Graphis galactoderma** (Zahlbr.) Lücking, (Chitale et al., 2011). Maharashtra.
- Graphis grammatica** Nyl., (Biju et al., 2012). Kerala.
- Graphis granulosa** (Müll. Arg.) Lücking, (Logesh et al., 2015). Mizoram.
- Graphis japonica** (Müll. Arg.) A.W. Archer & Lücking, (Singh et al., 2011). Arunachal Pradesh and Uttar Pradesh.
- Graphis kousyuensis** (Horik. & M. Nakan.) Lücking, (Singh et al., 2011). Arunachal Pradesh.
- Graphis maharashtrana** Chitale, Makhija & B.O. Sharma, (Chitale et al., 2011). Maharashtra.
- Graphis manipurensis** Pushpi Singh & Kr. P. Singh, (Singh and Singh, 2014). Manipur.
- Graphis nanodes** Vain. (Singh and Swarnalatha, 2011; Singh et al., 2015). Arunachal Pradesh and Tamil Nadu.
- Graphis neoraensis** Jagadeesh & G.P. Sinha, Mycotaxon 110: 32. 2009. West Bengal.
- Graphis nuda** (H. Magn.) Staiger & Lücking 2008, (Singh et al., 2015). Arunachal Pradesh.
- Graphis oligospora** Zahlbr., (Singh et al., 2015). Arunachal Pradesh.
- Graphis paraserpens** Lizano & Lücking, (Singh et al., 2015). Arunachal Pradesh.
- Graphis parvicarpa** B.O. Sharma & Khadilkar, (Sharma and Khadilkar, 2011). Karnataka.
- Graphis pseudoaquilonia** Lücking, (Gupta and Sinha, 2012). Assam.
- Graphis pseudoserpens** Chaves & Lücking, (Nayaka and Upreti, 2013). Uttar Pradesh.
- Graphis renchiana** (Müll. Arg.) Stizenb., (Sethy et al., 2012; Singh et al., 2015). Andaman & Nicobar Islands and Arunachal Pradesh.
- Graphis sirohiensis** Pushpi Singh & Kr. P. Singh, (Singh and Singh, 2014). Manipur.
- Graphis striatula** (Ach.) Spreng., (Singh and Swarnalatha, 2011). Arunachal Pradesh and Meghalaya.
- Graphis supracola** A.W. Archer, (Upreti et al., 2014). Tripura.
- Gyalidea corticola** Pooja Gupta & G.P. Sinha, (Gupta and Sinha, 2015). Sikkim.
- Gyrographa nigrofusca** Jagadeesh., (Jagadeesh Ram, 2016). Andaman & Nicobar Islands.
- Hafellia demutans** (Zahlbr.) Puswald, (Logesh et al., 2015). Mizoram.
- Heiomasia pallescens** Jagadeesh, (Jagadeesh Ram, 2014). Andaman & Nicobar Islands.
- Hemithecium himalayanum** Jagadeesh & G.P. Sinha, Mycotaxon 110: 34. 2009. West Bengal (not included in Singh and Sinha 2010).
- Hemithecium isidiatum** Upreti & U. Dubey, (Upreti et al., 2011). Arunachal Pradesh.
- Hemithecium kodiyarensense** B.O. Sharma & Khadilkar, (Sharma et al., 2012). Tamil Nadu.
- Hemithecium longilirellum** B.O. Sharma & Khadilkar, (Sharma et al., 2012). Andaman & Nicobar Islands and Tamil Nadu.
- Hemithecium verruculosum** B.O. Sharma & Khadilkar, (Sharma et al., 2012). Karnataka.
- Herpothallon coralloides** Jagadeesh, (Jagadeesh Ram, 2014). Andaman and Nicobar Islands.
- Herpothallon echinatum** Aptroot, Lücking & Will-Wolf, (Jagadeesh Ram and Sinha, 2011; Jagadeesh Ram, 2014). Andaman & Nicobar Islands and Sikkim.
- Herpothallon flavominutum** Jagadeesh, G.P. Sinha & Elix, Mycotaxon 110: 38. 2009. Meghalaya and Sikkim. (not included in Singh and Sinha, 2010).

- Herpothallon globuliferum** Jagadeesh, (Jagadeesh Ram, 2014).  
Andaman & Nicobar Islands.
- Herpothallon himalayanum** Jagadeesh & G.P. Sinha, Mycotaxon 110: 40. 2009. West Bengal.
- Herpothallon japonicum** (Zahlbr.) G. Thor, (Singh et al., 2015).  
Arunachal Pradesh.
- Herpothallon lutescens** Jagadeesh, (Jagadeesh Ram, 2014).  
Andaman & Nicobar Islands.
- Herpothallon minutum** Jagadeesh, (Jagadeesh Ram, 2014).  
Andaman & Nicobar Islands.
- Herpothallon sticticum** Jagadeesh & G.P. Sinha, (Jagadeesh Ram and Sinha, 2011). Arunachal Pradesh and Sikkim.
- Heterodermia himalayana** Y. Joshi, K. Chandra & M. Tripathi, (Joshi et al., 2014). Uttarakhand.
- Heterodermia upreti** Y. Joshi, S. Upadhyay & K. Chandra., (Joshi et al., 2014). Uttarakhand.
- Hypogymnia bitteri** (Lynge) Ahti, (McCune et al., 2012). Sikkim.
- Hypogymnia crystallina** McCune, Divakar & Upreti, (McCune et al., 2012). Arunachal Pradesh.
- Hypogymnia mundata** (Nyl.) Oxner & Rass., (McCune et al., 2012). Arunachal Pradesh.
- Hypogymnia subarticulata** (J.D. Zhao et al.) J.C. Wei & Y.M. Jiang, (McCune et al., 2012). Sikkim.
- Hypotrichyna indica** Divakar, Lumbsch, Upreti & A. Crespo, (Lumbsch et al., 2011). Tamil Nadu.
- Immersaria olivacea** Calatayud & Rambold, (Pandit, 2014). Maharashtra.
- Julella vitrispora** (Cooke & Harkn.) M.E. Barr, (Bajpai et al., 2015). Rajasthan.
- Koerberiella wimmeriana** (Körber) B. Stein, (Pandit, 2014). Maharashtra.
- Lecanographa follmannii** (C. W. Dodge) Egea & Torrente, (Joshi and Upreti, 2016). Tamil Nadu.
- Lecanographa rufa** (Müll. Arg.) Ertz, (Jagadeesh et al., 2012). West Bengal.
- Lecanora bicincta** Ramond, (Joseph and Sinha, 2012). Sikkim.
- Lecanora expallens** Ach., (Bajpai et al., 2012). Maharashtra.
- Lecanora girigangaensis** Papong, Nayaka & Lumbsch, (Papong et al., 2012). Himachal Pradesh.
- Lecanora leproplaca** Zahlbr. (Makhija et al., 2014). Maharashtra.
- Lecanora pseudargentata** Lumbsch, (Goni and Sharma, 2015). Jammu & Kashmir.
- Lecanora subalbellina** Vain., (Papong et al., 2012). Tamil Nadu.
- Lecanora subjaponica** L. Lü & H. Y. Wang, (Singh et al., 2015). Arunachal Pradesh.
- Lecanora upretii** Papong, Nayaka & Lumbsch, (Papong et al., 2012). Himachal Pradesh.
- Lecanora wilsonii** Müll. Arg., (Singh et al., 2015). Arunachal Pradesh.
- Lecidea paraclitica** Nyl., (Mishra and Upreti, 2015). Uttarakhand.
- Lecidea turgidula** Fr., (Mishra and Upreti, 2015). Uttarakhand.
- Leiorreuma nicobarensis** Pushpi Singh, Jagadeesh and Kr. P. Singh, (Singh et al., 2017). Andaman & Nicobar Islands.
- Leiorreuma subpatellulum** Dubey, Upreti & Nayaka, (Dubey et al., 2010). Arunachal Pradesh.
- Lepraria caesioalba** (B. de Lesd.) J.R. Laundon, (Rawat et al., 2014). Uttarakhand.
- Lepraria caesioalba** var. **groenlandica** L. Saag, (Rai and Upreti, 2014). Uttarakhand.
- Lepraria ecorticata** (J.R. Laundon) Kukwa, (Goni et al., 2015). Jammu & Kashmir.
- Leptogium patwardhanii** A. Dube & Makhija, (Dube and Makhija, 2010). Maharashtra.
- Leptogium propaguliferum** Vain., (Dube and Makhija, 2010). Maharashtra.
- Leptogium subazureum** Dube & Makhija, (Dube and Makhija, 2010). Maharashtra.
- Leptogium verrucosum** Dube & Makhija, (Dube and Makhija, 2010). Maharashtra.
- Leptogium wilsonii** Zahlbr., (Rashmi and Rajkumar, 2015). Karnataka.
- Leucodecton biokoense** A. Frisch, (Sethy et al., 2012). Andaman & Nicobar Islands.
- Leucodecton subcompunctum** (Nyl.) A. Frisch, (Joshi et al., 2012). Kerala and Tamil Nadu.
- Lichenella flexa** Henssen, Büdel & Nash, (Nayaka and Upreti, 2013). Uttar Pradesh.
- Lichenella cribellifera** (Nyl.) P. P. Moreno & Egea, (Goni and Sharma, 2015). Jammu & Kashmir.
- Lithographa olivacea** Fryday, (Joseph et al., 2016). West Bengal.
- Lithothelium thiorencens** Aptroot & Sipman, (Karakoti et al., 2014). Uttarakhand.
- Lobaria adscripta** (Nyl.) Hue, (Pandit and Sharma, 2012). Kerala.
- Malmidea bakeri** (Vain.) Kalb, (Gupta and Sinha, 2016). Uttar Pradesh.
- Malmidea fuscella** (Müll.Arg.) Kalb et al., (Sinha and Gupta, 2017). Sikkim.
- Malmidea psychotrioides** (Kalb & Lücking) Kalb, Rivas Plata &

- Lumbsch, (Sinha et al., 2015). Rajasthan.
- Megalospora atrorubicans** (Nyl.) Zahlbr., (Singh et al., 2015). Arunachal Pradesh.
- Megalotremis biocellata** Aptroot, (Singh and Kumar, 2012). Odisha.
- Melaspilea lentiginosa** (Lyell ex Leight.) Müll.Arg., (Prasher and Sushma, 2017). Himachal Pradesh.
- Miriquidica deusta** (Stehn.) Hertel & Rambold, (Sen, 2014). West Bengal.
- Mycoblastus affinis** (Schaer.) Schauer., (Singh et al., 2015). Arunachal Pradesh.
- Mycomicrothelia exigua** (Müll. Arg.) D. Hawksw., (Makhija et al., 2014). Maharashtra.
- Mycomicrothelia hemisphaerica** (Müll. Arg.) D. Hawksw., (Makhija et al., 2014). Maharashtra.
- Mycomicrothelia obovata** (Stirt.) D. Hawksw., (Makhija et al., 2014). Maharashtra.
- Myriostigma nicobaricum** Jagadeesh & G.P. Sinha, (Jagadeesh Ramand Sinha, 2016). Andaman & Nicobar Islands.
- Myriotrema glaucophaenum** (Kremp.) Hale, (Joshi et al., 2012). Kerala.
- Myriotrema minutulum** (Hale) Hale, (Biju et al., 2014). Kerala.
- Ocellularia albocincta** (Hale) Divakar & Mangold, (Rout et al., 2010). Assam.
- Ocellularia cavata** (Ach.) Müll. Arg., (Makhija et al., 2014). Maharashtra.
- Ocellularia laankaensis** Hale, (Singh and Kumar, 2012). Odisha.
- Ocellularia neopertusariiformis** Hale, (Singh and Singh, 2013). Arunachal Pradesh.
- Ocellularia subgranulosa** (Homchantara & Coppins) Lumbsch & Papong, (Singh and Singh, 2013). Arunachal Pradesh.
- Ochrolechia parella** (L.) A. Massal., (Sinha and Gupta, 2017). Sikkim.
- Opegrapha agelaeotera** Vain., (Jagadeesh Ram and Sinha, 2010). West Bengal.
- Opegrapha apomelaena** A. Massal., (Jagadeesh Ram, 2014). Andaman & Nicobar Islands.
- Opegrapha arabica** (Müll. Arg.) Vain., (Nayaka et. al, 2010). Gujarat.
- Opegrapha astraea** Tuck., (Nayaka and Upreti, 2013). Uttar Pradesh.
- Opegrapha dekeselii** Ertz, (Jagadeesh Ram, 2014). Andaman & Nicobar Islands.
- Opegrapha discolor** Vain., (Joseph and Sinha, 2011). West Bengal.
- Opegrapha granulosa** S. Joseph & G.P. Sinha, (Joseph and Sinha, 2012). West Bengal.
- Opegrapha irosina** Vain., (Joseph et al., 2014; Jagadeesh Ram, 2014). Andaman & Nicobar Islands, Kerala and West Bengal.
- Opegrapha maldiveana** Ertz, (Nayaka and Upreti, 2013). Uttar Pradesh.
- Opegrapha medusulina** Nyl., (Jagadeesh Ram and Sinha, 2010). West Bengal.
- Opegrapha ochrocheila** Nyl., (Jagadeesh Ram and Sinha, 2010). West Bengal.
- Opegrapha robusta** Vain., (Dudani et al., 2015; Jagadeesh Ram, 2014). Andaman & Nicobar Islands and Karnataka.
- Opegrapha simplicior** (Nyl.) Nyl., (Joseph and Sinha, 2011). West Bengal.
- Opegrapha subdimidiata** Ertz, (Joseph et al., 2015). West Bengal.
- Opegrapha trilocularis** Müll. Arg., (Singh, 2015). Uttarakhand.
- Opegrapha varians** (Müll. Arg.) Vain. (Nayaka et al., 2010). Gujarat.
- Opegrapha xerica** Torrente & Egea, (Joseph et al., 2015). Sikkim.
- Ophioparma ventosa** (L.) Norman, (Khare et al., 2012). Sikkim.
- Pallidogramme bengalense** B.O. Sharma & Khadilkar, (Sharma and Khadilkar, 2011). West Bengal.
- Pannaria tavaresii** P. M. Jørg., (Upreti et al., 2010). Uttarakhand.
- Parmelina muelleri** (Vain.) Hale, (Balaji and Hariharan, 2013). Tamil Nadu.
- Parmelinella nimandairana** (Zahlbruckner) Benatti & Marcelli (Benatti, 2014). Assam, Kerala, West Bengal.
- Parmelinella schimperiana** Kirika & Divakar, (Kirika et al., 2016). Tamil Nadu.
- Parmotrema ultralucens** (Korg) Hale, (Singh and Husain, 2012). Uttarakhand.
- Peltigera lepidophora** (Nyl.) Bitter, (Rai and Upreti, 2014). Uttarakhand.
- Peltigera ponogensis** Gyeln, (Zhurbenko, 2013). Jammu & Kashmir.
- Peltigera scabrosa** Th.Fr., (Zhurbenko, 2013). Jammu & Kashmir.
- Peltula corticola** Büdel & R. Sant., (Nayaka and Upreti, 2013). Uttar Pradesh.
- Peltula placodizans** (Zahlbr.) Wetmore, (Upreti et al., 2010). Madhya Pradesh.
- Pertusaria bryontha** (Ach.) Nyl., (Mishra and Upreti, 2015). Uttarakhand.
- Pertusaria corallina** (L.) Arnold, (Bajpai and Upreti, 2011). Maharashtra).

- Pertusaria dermatodes** Nyl., (Singh and Gupta, 2012). Assam.
- Pertusaria endoxantha** Vain., (Gupta and Singh, 2013). Tamil Nadu.
- Pertusaria hartmannii** Müll. Arg., (Gupta and Singh, 2013). Sikkim.
- Pertusaria leucostigma** Müll. Arg., (Singh and Gupta, 2012). Odisha.
- Pertusaria plittiana** Erichsen, (Singh and Gupta, 2012). Odisha.
- Pertusaria puffina** A.W. Archer & Elix, (Rai and Upreti, 2014). Himachal Pradesh.
- Pertusaria pycnothelia** Nyl., (Jagadeesh Ram and Sinha, 2010). West Bengal.
- Pertusaria pycnothelioides** Vain., (Singh and Gupta, 2012). West Bengal.
- Pertusaria subobductans** Nyl., (Singh and Gupta, 2012). Odisha.
- Pertusaria subrigida** Müll. Arg., (Singh and Gupta, 2012). Manipur.
- Pertusaria sundarbanensis** Jagadeesh & G.P. Sinha, (Jagadeesh et al., 2012). West Bengal.
- Pertusaria thiospoda** Knight, (Gupta and Singh, 2013). Assam and Himachal Pradesh.
- Phaeographis kalbii** Staiger, (Logesh et al., 2015). Mizoram.
- Phaeographis submarcescens** (Leight.) Zahlbr., (Makhija et al., 2014). Maharashtra.
- Phaeophyscia primaria** (Poelt) Trass., (Mishra and Upreti, 2015). Uttarakhand.
- Phlyctis communis** Chitale & Makhija, (Chitale and Makhija, 2012). Maharashtra.
- Phlyctis karnatakana** S. Joshi & Upreti, (Joshi et al., 2010). Karnataka and Goa.
- Phlyctis monosperma** S. Joshi & Upreti, (Joshi et al., 2010). Tamil Nadu and West Bengal.
- Phlyctis subagelaea** S. Joshi & Upreti, (Joshi et al., 2010). Kerala.
- Phlyctis subhimalayensis** S. Joshi & Upreti, (Joshi et al., 2012). Arunachal Pradesh and Uttarakhand.
- Phylloleptula steppae** Kalb, (Nayaka and Upreti, 2013). Uttar Pradesh.
- Phyllopsora albicans** Müll. Arg., (Mishra et al., 2011). Arunachal Pradesh and Kerala.
- Phyllopsora breviuscula** (Nyl.) Müll. Arg., (Makhija et al., 2014). Maharashtra.
- Phyllopsora catervisorediata** G.K. Mishra, Upreti & Nayaka, (Mishra et al., 2011). Uttarakhand.
- Phyllopsora chlorophaea** (Müll. Arg.) Zahlbr., (Mishra et al., 2011). Karnataka and Odisha.
- Phyllopsora confusa** Swinscow & Krog, (Mishra et al., 2011). Assam, Himachal Pradesh, Karnataka, Kerala and Uttarakhand.
- Phyllopsora corallina** var. **subglaucella** G.K. Mishra, Upreti & Nayaka, (Mishra et al., 2011). Uttarakhand.
- Phyllopsora foliata** (Stirt.) Zahlbr., (Makhija et al., 2012). Maharashtra.
- Phyllopsora furfuracea** (Pers.) Zahlbr. (Mishra et al., 2011). Kerala and Uttarakhand.
- Phyllopsora himalayensis** G.K. Mishra, Upreti & S. Nayaka, (Mishra et al., 2011). Himachal Pradesh and Uttarakhand.
- Phyllopsora isidotyla** (Vain.) Ridle, (Mishra et al., 2011). Assam, Himachal Pradesh, Karnataka, Kerala, Sikkim, Tamil Nadu and Uttarakhand.
- Phyllopsora kalbii** Brako, (Mishra et al., 2011). Madhya Pradesh.
- Phyllopsora mauritiana** (Taylor) Gotth. Schneid., (Mishra et al., 2011). Kerala and Tamil Nadu.
- Phyllopsora nemoralis** Timdal & Krog, (Mishra et al., 2011). Assam.
- Phyllopsora soralifera** Timdal, (Logesh et al., 2015). Mizoram.
- Phyllopsora subcrustacea** (Malme) Brako, (Mishra et al., 2011). Karnataka and Kerala.
- Phyllopsora swinscowii** Timdal & Krog, (Mishra et al., 2011). Karnataka and Kerala.
- Physcia biziana** (A. Massal.), (Gupta et al., 2014). Uttarakhand.
- Physcia clementei** (Turner) Lyngé, (Upreti et al., 2010). Uttarakhand.
- Physconia pulverulenta** (Schreb.) Poelt, (Prasher and Sushma, 2017). Himachal Pradesh.
- Platygramme muelleri** (A. W. Archer) Staiger, (Rout et al., 2010). Assam.
- Polymeridium cinereonigrans** (Vain.) R.C. Harris, (Ingle et al., 2016). Gujarat, Karnataka, Uttar Pradesh, Uttarakhand and West Bengal.
- Polymeridium pleurothecium** R.C. Harris., (Ingle et al., 2016). Maharashtra and Uttarakhand.
- Polymeridium submuriforme** Aptroot, (Ingle et al., 2016). West Bengal.
- Porina eminentior** (Nyl.) P.M. McCarthy, (Singh and Singh, 2016). Meghalaya.
- Porina farinosa** C. Knight, (Joshi and Upreti, 2016). Tamil Nadu.
- Porina nigrofusca** Müll. Arg., (Joshi and Upreti, 2016).

- Maharashtra.
- Porina sphaerocephala** Vain., (Jagadeesh Ram, 2015). Andaman & Nicobar Islands.
- Porina subpungens** Malme, (Pandit, 2015). Maharashtra.
- Porina tasmanica** P. M. McCarthy, (Joshi and Upreti, 2016). Tamil Nadu.
- Porina tijucana** Vain., (Singh et al., 2015). Arunachal Pradesh.
- Porpidia flavicunda** (Ach.) Gowan, (Sinha and Gupta, 2017). Sikkim.
- Protoparmelia hesperia** (Kantvilas & Elix) Kantvilas, Papong & Lumbsch, (Gupta and Sinha, 2015). Assam.
- Pseudocyphellaria ceylonensis** H. Magn., (Rai and Upreti, 2014). Kerala.
- Pseudocyphellaria rainierensis** Imshaug, (Kumari et al., 2017). Andhra Pradesh.
- Psora luridella** (Tuck.) Fink., (Upreti et al., 2010). Uttarakhand.
- Psorotheciospis patellariooides** (Rehm.) R. Sant., (Gupta and Sinha, 2013). Assam.
- Pycnora sorophora** (Vain.) Hafelner, (Biju et al., 2014). Kerala.
- Pyrenopsis triptococca** Nyl., (Nayaka and Upreti, 2013). Uttar Pradesh.
- Pyrenopsis furfurea** (Nyl.) Th. Fr., (Prasher and Sushma, 2017). Himachal Pradesh.
- Pyrenula acutispora** Hafellner & Kalb, (Jagadeesh Ram and Sinha, 2010). West Bengal.
- Pyrenula bahiana** Malme, (Karakoti et al., 2014). Uttarakhand.
- Pyrenula cordatula** Zahlbr., (Makhija et al., 2012). Maharashtra.
- Pyrenula darjeelingensis** Jagadeesh & G.P. Sinha, 2009. West Bengal.
- Pyrenula pyrgillospora** Aptroot, (Sethy et al., 2014). Andaman & Nicobar Islands.
- Pyrenula philippina** Vain., (Makhija et al., 2014). Maharashtra.
- Pyrenula thailandica** Aptroot, (Aptroot et al., 2012). Arunachal Pradesh.
- Pyrgillus cubanus** Nyl., (Singh and Singh, 2012). Arunachal Pradesh.
- Pyrgillus idukkiensis** Kr.P.Singh & Pushp Singh, (Singh and Singh, 2012). Karnataka and Kerala.
- Pyrgillus tibellii** Kr. P. Singh & Pushpi Singh, (Singh and Singh, 2012). Arunachal Pradesh.
- Pyxine punensis** Nayaka & Upreti, (Nayaka et al., 2013). Maharashtra.
- Pyxine yercaudensis** Nayaka & Upreti, (Nayaka et al., 2013). Tamil Nadu.
- Ramboldia sorediata** Kalb, (Logesh et al., 2015). Mizoram.
- Ramboldia subnexa** (Stirt.) Kantvilas and Elix, (Logesh et al., 2015). Mizoram.
- Ramonia microspora** Vizda, (Nayaka and Upreti, 2013). Uttar Pradesh.
- Relicina relicinula** (Müll. Arg.) Hale, (Jagadeesh Ram, 2015). Andaman & Nicobar Islands.
- Relicina sublanea** (Kurok.) Hale, (Logesh et al., 2015). Mizoram.
- Rhabdodiscus crassus** (Müll. Arg.) Rivas Plata, Lücking & Lumbsch, (Singh et al., 2015). Arunachal Pradesh.
- Rhabdodiscus indicus** Pushpi Singh & Kr. P. Singh, (Singh and Singh, 2013). Arunachal Pradesh.
- Sagenidiopsis atroalba** Jagadeesh, (Jagadeesh Ram, 2014). Andaman & Nicobar Islands.
- Sarcogyne lapponica** (Ach. ex Schaer.) K. Knudsen & Kocourk., (Joshi et al., 2016). Jammu and Kashmir.
- Schistophoron indicum** Kr.P. Singh & Swarnalatha, (Singh and Swarnalatha, 2011). Arunachal Pradesh.
- Schizotrema cryptotrema** Rivas Plata & Mangold, (Makhija et al., 2014). Maharashtra.
- Seirophora conortuplicata** Ach. Frödén (Zhurbenko, 2013) Jammu & Kashmir
- Sigridia chloroleuca** (Müll. Arg.) Tehler, (Logesh et al., 2014). Tamil Nadu.
- Staurothele rugulosa** (A. Massal.) Arnold, (Sinha et al., 2015). Rajasthan.
- Staurothele verruculosa** J. W. Thompson, (Joshi and Upreti, 2016). Maharashtra.
- Sticta duplolimbata** (Hue) Vain., (Pandit and Sharma, 2012). Tamil Nadu.
- Sticta indica** D.D. Awasthi & Upreti, (Upreti and Divakar, 2010). Sikkim, Uttarakhand and West Bengal.
- Stigmatochroma aducta** (Malme) Marbach, (Logesh et al., 2015). Mizoram.
- Stigmatochroma gerontoides** (Stirt.) Marbach, (Logesh et al., 2015). Mizoram.
- Stigmatochroma kryptoviolascens** Marbach, (Logesh et al., 2015). Mizoram.
- Stigmatochroma metaleptodes** (Nyl.) Marbach, (Logesh et al., 2015). Mizoram.
- Stigmatochroma microspora** Mohabe, Nayaka and A.M. Reddy, (Mohabe et al., 2015). Andhra Pradesh.
- Stirtonia punctiformis** Aptroot & Sipman, (Gupta, 2015). Assam.
- Stirtonia rhizophorae** Kalb & Mongk., (Jagadeesh Ram and

- Sinha, 2017). Andaman & Nicobar Islands.
- Strigula microspora** Lücking, (Jagadeesh Ram, 2015). Andaman & Nicobar Islands.
- Synarthonia psoromica** S. Joseph & G. P. Sinha, (Joseph and Sinha, 2015).Tamil Nadu.
- Synarthonia sikkimensis** S. Joseph & G. P. Sinha, (Joseph and Sinha, 2015).Sikkim.
- Synecisia farinacea** (Fée) Tehler, (Joseph et al., 2013).Tamil Nadu.
- Synecisia indica** S. Joshi & Upreti, (Joshi et al., 2011). Karnataka.
- Thyrea plectospora** A. Massal., (Nayaka and Upreti, 2013). Uttar Pradesh.
- Thyrea pulvinata** (Schaerer) Massal.,(Upreti et al., 2010). Uttarakhand.
- Toninia coeruleonigricans** (Lightf.) Th. Fr., (Goni et al., 2015). Jammu & Kashmir.
- Trapelia involuta** (Taylor) Hertel, (Bajpai and Upreti, 2014). Madhya Pradesh.
- Tricharia farinosa** R. Sant., (Gupta and Sinha, 2014). Assam.
- Trichothelium bipindense** F. Schill., (Jagadeesh Ram, 2015). Andaman & Nicobar Islands.
- Umbilicaria leiocarpa** DC., (Rai and Upreti, 2014). Sikkim.
- Usnea hirta** (L.) E.H. Wigg., (Mesta et al., 2015). Tamil Nadu.
- Usnea inermis** Motyka., (Mesta et al., 2015). Tamil Nadu.
- Vahliella saubinetii** (Mont.) P. M. JÖrg, (Joshi and Upreti, 2016). Tamil Nadu.
- Variospora thallincola** (Wedd.) Arup, Frödén & Søchting, (Kumari et al., 2017). Andhra Pradesh.
- Willeya diffractella** (Nyl.) Müll. Arg, (Sinha et al., 2015). Rajasthan.
- Xanthoparmelia saxeti** (Stizenb.) Amo de Paz, A. Crespo, Elix & Lumbsch, (Joshi et al., 2014). Uttarakhand.
- Xanthoparmelia xizangensis** (J.C. Wei) Hale, (Rawat et al., 2012).Uttarakhand.

#### ACKNOWLEDGEMENTS

The Authors (SN and SJ) are thankful to the Director, CSIR-NBRI for providing the library facilities. GPS is thankful to the Director, BSI, Kolkata for facilities. One of the author (SJ) is thankful to SERB for financial assistance under N-PDF scheme (PDF/2016/002054).