

## Rare, Endangered and Vulnerable Plants of the Republic of Georgia

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### Fam. ACERACEAE

***Acer hyrcanum*** Fisch. & C.A. Mey.

rocky slopes, forests from lowland up to middle mountain belt.

Transcaucasus: Georgia (Kartli, Meskheta), Azerbaijan, Armenia, Rare.

***A. ibericum*** Bieb.

dry stony and rocky slopes, deciduous forests – middle mountain belt

Transcaucasus: Georgia (Kartli, Kiziki, Trialeti, Kvemo Kartli), Azerbaijan, Armenia. Rare.

***A. sosnowskyi*** Doluch.

stony, rocky, calcareous slopes; lower and middle mountain belt

Transcaucasus: Georgia (Abkhazia, Racha – Lechkhumi). Endemic to Georgia.

***A. trautvetteri*** Medw.

subalpine tall herbaceous, shrubwoods of 1700-2300 to (2500) m.

Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Vulnerable.

***A. velutinum*** Boiss.

deciduous forests, gully, river terraces from lower mountain belt up to 1500 m.

Transcaucasus: Georgia (Kakheti), Azerbaijan. Rare.

### Fam. ADIANTACEAE

***Adiantum capillus-veneris*** L.

forests, moist places; lower and middle mountain belts

Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Rare.

### Fam. ALLIACEAE

***Allium albovianum*** Vved.

limestone; alpine belt

Transcaucasus: Georgia (Samegrelo). Endemic to Georgia.

***A. candolleanum*** Albov

subalpine and alpine meadows

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

***A. chevsuricum*** Tscholokashvili

dry, fissures rock

Transcaucasus: Georgia (Tush-Pshav-Khevsureti). Endemic to Georgia.

***A. gracilescens*** Somm. & Levier

lower mountain belt

Transcaucasus: Georgia (Imereti, Adjara). Endemic to Georgia.

***A. karsianum*** Fomin

stony places, grassy slopes from lower mountain belt up to middle mountain belt

Transcaucasus: Georgia (Imereti, Kartli, Trialeti, Javakheti). Endemic to the Caucasus.

***A. kunthianum*** Fomin

alpine meadows

Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Endemic to the Caucasus.

*A. ledshanense* Conrrath & Freyn  
meadows of upper mountain belt  
Transcaucasus: Georgia (Adjara), Armenia. Endemic to the Caucasus.

*A. leucanthum* C. Koch  
dry, stony places – middle mountain belt  
Transcaucasus: Georgia (E-Georgia), Azerbaijan, Armenia. Endemic to the Caucasus.

*A. otschiauriae* Tscholokaschvili  
shaley slopes  
Transcaucasus: Georgia (Tush-Pshav-Khevsureti). Endemic to Georgia.

*A. paradoxum* (Bieb.) G. Don fil.  
forests, schrubwoods – middle mountain belt  
Northern Caucasus (Dagestania); Transcaucasus: Georgia (Kartli), Azerbaijan. Rare.

*A. ponticum* Miscz. ex Grossh.  
dry slopes; lower and middle mountain belts  
Transcaucasus: Georgia (Abkhazia, Guria, Adjara, Kartli). Rare.

*A. ruprechtii* Boiss.  
rocks of alpine belt  
Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Mtiuleti). Endemic to the Caucasus.

#### Fam. AMARYLLIDACEAE

*Galanthus alpinus* Sosn.  
alpine meadows  
Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*G. caucasicus* (Baker) Grossh.  
shrubwoods, forest margins – middle mountain belt  
Transcaucasus: Georgia (Abkhazia, Imereti, Shiga Kartli, Kartli). Vulnerable.

*G. kemulariae* Kuthatheladze  
forests, middle mountain belt  
Transcaucasus: Georgia (Kartli). endemic to Georgia.

*G. ketzkhovellii* Kem.-Nath.  
upper forest belt  
Transcaucasus: Georgia (Kakheti). Endemic to Georgia.

*G. krasnovii* A.Khokhr.  
wet gorges  
Transcaucasus: Georgia (Adjara). Endemic to Georgia.

*G. lagodechianus* Kem.-Nath.  
upper forest belt  
Transcaucasus: Georgia (Kakheti). Endemic to Georgia.

*G. platyphyllus* Traub & Moldenke  
subalpine and alpine meadows, forests – 2600m.  
Transcaucasus: Georgia (Racha-Lechkhumi, Samegrelo, Mtiuleti). Endemic to Georgia.

*G. rizehensis* Stern  
arable lands, plantation  
Transcaucasus: Georgia (Adjara). Rare.

*G. shaoricus* Kem.-Nath.  
shrubwoods, middle mountain belt  
Transcaucasus: Georgia (Racha-Lechkhumi, Imereti). Endemic to Georgia.

*G. woronowii* Losinsk  
forests, shrubwoods; lower mountain belt  
Transcaucasus: Georgia (Abkhazia, Imereti, Adjara, Kartli). Vulnerable.

*Leucojum aestivum* L.  
shrubwoods, sowing, lowland  
Transcaucasus: Georgia (Abkhazia, Samegrelo, Guria). Vulnerable.

*Pancratium maritimum* L.  
Sands by the sea  
Transcaucasus: Georgia (Abkhazia, Adjara). Rare.

*Sternbergia colchiciflora* Waldst. & Kit.  
dry places; lower mountain belt  
Transcaucasus: Georgia (Kartli, Kakheti). Vulnerable.

#### Fam. ANACARDIACEAE

*Pistacia mutica* Fisch. & Mey.  
dry stony places; lower and middle mountain belt  
Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Vulnerable.

#### Fam. APOCYNACEAE

*Vinca herbacea* Waldst. & Kit.  
shrubwoods, dry slopes; lower and middle mountain belts  
Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Vulnerable.

*V. pubescens* D'Urv.  
forests – middle mountain belt  
Transcaucasus: Georgia (Abkhazeti, Samegrelo, Imereti, Guria, Adjara). Vulnerable.

#### Fam. AQUIFOLIACEAE

*Ilex colchica* Pojark.  
mixed and coniferous forests, of 200m. to 2300m.  
Northern Caucasus; Transcaucasus: Georgia, Armenia. Vulnerable.

#### Fam. ARACEAE

*Acorus calamus* L.  
bog, lake edges; lowland  
Transcaucasus: Georgia (Samegrelo, Guria, Adjara). Rare.

#### Fam. ARALIACEAE

*Hedera colchica* (C. Koch) C.Koch  
mixed, deciduous, coniferous forests to 1500m.  
Northern Caucasus; Transcaucasus: Georgia, shore of the Black Sea. Vulnerable.

*H. pastuchovii* Woronow  
forests, forest margins; lower and middle mountain belts  
Northern Caucasus (Dagestania); Transcaucasus: Georgia, Azerbaijan. Vulnerable.

**Fam. ASCLEPIADACEAE**

*Vincetoxicum albowianum* (Kusn.) Kuthatheladze  
stony, calcareous slopes, middle mountain belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazeti, Svaneti, Meskheti), Azerbaijan (Kuba)

**Fam. ASPARAGACEAE**

*Asparagus caspius* Schult. & Schult. fil.  
shrubwoods

Northern Caucasus; Transcaucasus: Georgia (Kartli, Gardabani), Azerbaijan. Rare.

**Fam. ASPHODELACEAE**

*Asphodeline lutea* (L.) Reichenb.  
rocks, rarely forests, steppes– 1100m.  
Transcaucasus: Georgia (Abkhazia, Kartli). Rare.

*A. taurica* (Pall.) Kunth.  
dry, stony places, rocks, gorges; subalpine and alpine belts  
Transcaucasus: Georgia (Javakheti). Rare.

*Eremurus spectabilis* Bieb.  
dry slopes, rocks – middle mountain belt  
Transcaucasus: Georgia (Shiga Kartli, Kartli, Javakheti). rare.

**Fam. ATHYRIACEAE**

*Cystopteris regia* (L.) Desv.  
rock fissures, calcareous rocks, screes; subalpine and alpine belt  
Transcaucasus: Georgia (Abkhazia, Svaneti). Rare.

**Fam. BERBERIDACEAE**

*Berberis iberica* Stev. & Fish. ex DC.  
dry places, shrubwoods river terrace  
Northern Caucasus (Dagestania); Transcaucasus: Georgia (Kartli, Kiziki), Azerbaijan, Armenia.  
Endemic to the Caucasus.

*Bongardia chrysogonum* (L.) Spach  
dry slopes, arable lands  
Transcaucasus: Georgia (Kiziki), Azerbaijan, Armenia. Rare.

*Epimedium colchicum* (Boiss.) Trautv.  
moist forests from lower mountain belt up to upper mountain belt  
Transcaucasus: Georgia (Abkhazia, Adjara). Endemic to Georgia.

*E. circinatocucullatum* Sosn.  
moist forests by the shore of the Black Sea.  
Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*Gymnospermium smirnowii* (Trautv.) Takht.  
forests of middle mountain belt  
Transcaucasus: Georgia (Kakheti)

## Fam. BETULACEAE

***Betula medwedewii*** Regel

elfin birch woodland, gully of (600) 1900 to 2250 (2370) m.  
Transcaucasus: Georgia (Adjara). Endangered.

***B. megrelica*** Sosn.

limestones; subalpine belt (1250) 1700-2000 m.  
Transcaucasus: Georgia (Samegrelo). Endemic to Georgia.

***B. raddeana*** Trautv.

calcareous shale, stony places, screes 1700-2100 (2300)m.  
Northern Caucasus; Transcaucasus: Georgia (Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti).  
Endemic to the Caucasus.

## Fam. BORAGINACEAE

***Caccinia rauwolfii*** C. Koch

clay soil, lower and middle mountain belts  
Transcaucasus: Georgia (Kartli, Kiziki), Azerbaijan, Armenia. Rare

***Eritrichium caucasicum*** (Albov) Grossh.

rocks, pebble; alpine belt  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Mtiuleti). Endemic to the Caucasus.

***Heliotropium styligerum*** Trautv.

dry, stony places, screes; upper mountain belt  
Northern Caucasus; Transcaucasus: Georgia (Mtiuleti). Endemic to the Caucasus.

***Nonea armeniaca*** (Kusn.) Grossh.

dry slopes, middle mountain and upper mountain belts  
Transcaucasus: Georgia (Kartli, Javakheti, Meskheti), Armenia. Rare.

***N. decurrens*** (C.A. Mey.) G. Don fil.

meadows and shrubwoods from middle mountain belt up to subalpine belt  
Northern Caucasus (Dagestania); Transcaucasus: Georgia (Imereti, Kartli), Azerbaijan. Endemic to the Caucasus.

***N. setosa*** (Lehm.) Roem. & Schult.

shrubwoods, forest margins, dry, rocky places – middle mountain belt  
Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Endemic to the Caucasus.

***Omphalodes caucasica*** Brand

forests, calcareous rocks; subalpine belt  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Samegrelo, Guria, Adjara). Endemic to the Caucasus.

***O. kusnetzovii*** Kolak.

calcareous rock fissures, 500-600 m.  
Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

***O. lojkae*** Somm. & Levier

rocks; subalpine and alpine belts – 2700 m.  
Northern Caucasus; Black Seashore; Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo).  
Endemic to the Caucasus.

***O. rupestris*** Rupr. ex Boiss.

rocks from upper mountain up to alpine belt – 3000 m.

Northern Caucasus; Transcaucasus: Georgia (Shiga Kartli, Mtiuleti, Kakheti), Azerbaijan. Endemic to the Caucasus.

***Paracaryum laxiflorum*** Trautv.

dry, stony slopes; middle and lower mountain belts

Transcaucasus: Georgia (Javakheti), Azerbaijan, Armenia. Vulnerable.

***Paracynoglossum imeretinum*** (Kusn.) M.Pop.

shrubwoods, foothills, seashore

Transcaucasus: Georgia (Abkhazia, Imereti, Guria, Adjara). Endemic to Georgia.

***Suchtelenia calycina*** (C.A. Mey.) DC.

clay places; semideserts

Transcaucasus: Georgia (Kartli, Kiziki). Rare.

***Trachystemon orientalis*** (L.) G. Don. fil.

forest; upper mountain belt

Northern Caucasus; Transcaucasus: Georgia, shore of the Black Sea. Rare.

***Trigonocaryum involucreatum*** (Stev.) Kusn.

stony places, screes; subalpine and alpine belts

Northern Caucasus (Dagestania); Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

#### Fam. BOTRYCHIACEAE

***Botrychium lunaria*** (L.) Sw.

meadows, shrubwoods, grassy slopes, open woodland; upper forest, subalpine and alpine belts

Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Shiga Kartli, Kartli, Mtiuleti, Tush-Pshav-Khevsureti). Rare.

#### Fam. BUXACEAE

***Buxus colchica*** Pojark.

calcareous rocks, broad-leaved, mixed and dark coniferous forests 1600-1800 m.

Northern Caucasus; Transcaucasus: Georgia. Endangered.

#### Fam. CAMPANULACEAE

***Asyneuma campanuloides*** (Bieb. ex Sims) Bornm.

meadows of subalpine and alpine belts, rarely forest belt 700-2700 m.

Northern Caucasus; Transcaucasus: Georgia (Kartli, Javakheti, Meskheta), shore of the Black Sea, Azerbaijan, Armenia. Endemic to the Caucasus.

***Campanula albovii*** Kolak.

meadows, rocks; subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Guria). Endemic to the Caucasus.

*C. argunensis* Rupr.

rocks, rock stream; alpine belt

Northern Caucasus; Transcaucasus: Georgia (Tush-Pshav-Khevsureti), Azerbaijan. Endemic to the Caucasus.

*C. armazica* Charadze

rock fissures; lower and middle mountain belt

Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*C. bellidifolia* Adams

rocks; subalpine and alpine belts

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Shida Kartli, Tush-Pshav-Khevsureti).  
Endemic to the Caucasus.

*C. bzybica* Jabr.-Kolak.

gorges – middle mountain belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*C. calcarea* (Albov) Charadze

stream, meadows, limestones 1900-2300 m.

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*C. ciliata* Stev.

rocks of alpine belts

Transcaucasus: Georgia (Abkhazia, Mtiuleti), Azerbaijan. Endemic to the Caucasus.

*C. circassica* Fomin

rocks; alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo). Endemic to the Caucasus.

*C. crispa* Lam.

rock fissures, volcanic shales; middle mountain belt

Transcaucasus: Georgia (Kartli, Javakheti, Meskheta), Armenia. Rare.

*C. dzaaku* Albov

calcareous rocks of alpine belt

Transcaucasus: Georgia (Samegrelo). Endemic to Georgia.

*C. dzyschrica* Kolak.

calcareous rock fissures of alpine belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*C. engurensis* Charadze

wet rocks, gorges; forest belt

Transcaucasus: Georgia (Svaneti). Endemic to Georgia.

*C. fedorovii* Charadze

calcareous rocks of subalpine and alpine belts

Northern Caucasus; Transcaucasus: Georgia (Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*C. fonderwisii* Albov

calcareous rocks; alpine belt

Transcaucasus: Georgia (Samegrelo). Endemic to Georgia.

*C. hieracioides* Kolak.

calcareous rock fissures; middle mountain belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*C. hypopolia* Tzautv.

rock fissures from subalpine up to alpine belt

Northern Caucasus (Osetia); Transcaucasus: Georgia (Racha-Lechkhumi, Shida Kartli, Mtiuleti).  
Endemic to the Caucasus.

*C. imeretica* Rupr.

rock fissures, from forest belt up to subalpine belt

Transcaucasus: Georgia (Racha-Lechkhumi, Samegrelo, Imereti). Endemic to Georgia.

*C. irinae* A.Khutath.

calcareous rocks; middle mountain belt

Transcaucasus: Georgia (Imereti). Endemic to Georgia.

*C. jadvigae* Kolak.

calcareous placer of circus; alpine belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*C. kachetica* Kantsch.

rock fissures

Transcaucasus: Georgia (Kiziki). Endemic to Georgia.

*C. kantschaveli* Zagareli

dry calcareous rock fissures; middle mountain belt

Transcaucasus: Georgia (Kakheti). Endemic to Georgia.

*C. kemulariae* Fomin

calcareous rocks; lower mountain belt

Transcaucasus: Georgia (Imereti). Endemic to Georgia.

*C. kluchorica* Kolak.

subalpine zone

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*C. kolakovskiyi* Charadze

rock fissures; forest zone

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*C. kolenatiana* C.A. Mey.

wet rocks; middle forest belt, rarely subalpine belt

Northern Caucasus (Dagestania); Transcaucasus: Georgia (Kakheti). Endemic to the Caucasus.

*C. letschchumensis* Kem.-Nath.

calcareous rocks of forest zone

Transcaucasus: Georgia (Racha-Lechkhumi). Endemic to Georgia.

*C. longistyla* Fomin

dry slopes, rocks; lower mountain belt

Northern Caucasus (Shore of the Black Sea); Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*C. lyrata* Lam.

shrubwoods, slopes

Transcaucasus: Georgia (Adjara). Rare.

*C. makaschvili* E. Busch

forests, shrubwoods; lowland

Transcaucasus: Georgia (Adjara). Endemic to Georgia.

*C. megrelica* Manden. & Kuthatheladze

meadows, limestones; alpine zone

Transcaucasus: Georgia (Samegrelo). Endemic to Georgia.

*C. mirabilis* Albov

calcareous rocks of lower and middle mountain belt to 2100 m.

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*C. ochroleuca* Kem.-Nath.



rocks, subalpine meadows; mainly subalpine belt, rarely forest and alpine belts.  
Northern Caucasus; Transcaucasus: Georgia (Greater Caucasus). Endemic to the Caucasus.

*C. ossetica* Bieb.

calcareous rock fissures; subalpine belt

Northern Caucasus (Osetia); Transcaucasus: Georgia (Shiga Kartli). Endemic to Georgia.

*C. panjutinii* Kolak.

calcareous rocks of alpine belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*C. paradoxa* Kolak.

calcareous rock fissures; lower forest belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*C. petrophila* Rupr.

rock fissures; subalpine and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Shiga Kartli, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*C. radchensis* Charadze

on cliffs and rocks.

Transcaucasus: Georgia (Racha-Lechkhumu). Endemic to Georgia.

*C. raddeana* Trautv.

rocks of middle mountain belt

Transcaucasus: Georgia (Javakheti, Meskheta). Endemic to Georgia.

*C. sarmatica* Ker.-Gawl.

rocks; subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti), Azerbaijan, Endemic to the Caucasus.

*C. saxifraga* Bieb.

rocks; alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Samegrelo, Shiga Kartli, Mtiuleti). Endemic to the Caucasus.

*C. shistosa* Kolak.

rock stream; alpine belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*C. sosnowsky* Charadze

calcareous rocks; alpine belt and subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Shiga Kartli). Endemic to the Caucasus.

*C. sphaerocarpa* Kolak.

rocks, rock stream; alpine belt

Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Samegrelo, Guria, Adjara). Endemic to the Caucasus.

*C. suanetica* Rupr.

forests, gorges; middle mountain belt and subalpine belt

Transcaucasus: Georgia (Svaneti). Endemic to Georgia.

*C. symphytifolia* (Albov) Kolak.

meadows, calcareous rocks; alpine belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

***Symphyandra antiqua* Kolak.**

gorges, limestones, rock fissures

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

***S. pendula* (Bieb.) A.DC.**

calcareous and clay shale, rock fissures; lower and middle forest belt

Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Imereti). Rare.

**Fam. CAPPARACEAE*****Caparis spinosa* L.**

dry slopes; lowland and semidesertic areas

Northern Caucasus; Transcaucasus: Georgia (Kartli, Kiziki, Gare Kakheti, Gardabani, Trialeti, Kvemo Kartli), Azerbaijan, Armenia. Vulnerable.

***Cleome daghestanica* (Rupr.) Tzvel.**

rocks, talus.

Northern Caucasus (Dagestania); Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Tush-Pshav-Khevsureti), Azerbaijan. Endemic to the Caucasus.

**Fam. CAPRIFOLIACEAE*****Linnaea borealis* L.**

coniferous forests, rarely mixed and deciduous forests, stony places; subalpine and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Imereti, Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti). Rare.

***Lonicera buschiorum* Pojark.**

meadows, shrubwoods, birch forest, S-slopes; alpine and subalpine belt

Transcaucasus: Georgia (Shiga Kartli). Endemic to Georgia.

***L. iberica* Bieb.**

open woodland, shrubwoods 2500 m.

Northern Caucasus (Dagestania); Transcaucasus: Georgia (Kartli, Kiziki, Trialeti), Azerbaijan (Talysh). Rare.

***Viburnum opulus* L.**

forests; middle mountain belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Samegrelo, Imereti, Adjara, Kartli, Kakheti, ), Azerbaijan. Vulnerable.

***V. orientale* Pall.**

forests; middle mountain belt

Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Imereti, Guria, Adjara, Shiga Kartli), Armenia. Vulnerable.

**Fam. CARYOPHYLLACEAE*****Arenaria holostea* Bieb.**

stony slopes, meadows, limestones; forest and subalpine belts

Northern Caucasus (Dagestania); Transcaucasus: Georgia (Mtiuleti). Endemic to the Caucasus.

***Cerastium argenteum* Bieb.**

dry, open, stony places, rocks; lower mountain and forest belts

Transcaucasus: Georgia (Kartli, Trialeti, Kvemo Kartli). Endemic to Georgia.

***C. holosteam* Fish. ex Hornem.**

forest, roadside; middle mountain belt

Transcaucasus: Georgia (Mtiuleti), Azerbaijan, Armenia. Endemic to the Caucasus.

*C. kasbek* Parrot

rock stream, mainly subnival and alpine belts 3000-3800 m.

Northern Caucasus; Transcaucasus: Georgia (Racha-Lechkhumi, Mtiuleti, Tush-Pshav-Khevsureti).  
Endemic to the Caucasus.

*C. multiflorum* C.A. Mey.

morains, rock streams, mainly subalpine and alpine belts 1800-3000 m.

Northern Caucasus; Transcaucasus: Georgia (Greater Caucasus). Endemic to the Caucasus.

*C. polymorphum* Rupr.

rock stream, from subalpine belt up to subnival belt – 3350 m.

Northern Caucasus; Transcaucasus: Georgia. Endemic to the Caucasus.

*C. ponticum* Albov

calcareous rocks of middle and upper mountain belt

Transcaucasus: Georgia (Abkhazeti), shore of the Black Sea. Endemic to the Caucasus.

*C. pseudokasbek* Vysokoost.

rock stream; subnival belt – 3300 m.

Transcaucasus: Georgia (Javakheti), Armenia. Rare.

*C. salavaticum* Rupr.

morains, rock streams; alpine and subalpine belts

Northern Caucasus (Teberda); Transcaucasus: Georgia (Shiga kartli, Tush-Pshav-Khevsureti, Kakheti). Endemic to the Caucasus.

*C. sosnowskyi* Schischk.

rocks of middle mountain belt

Transcaucasus: Georgia (Guria, Adjara, Kartli, Javakheti, Meskheta). Endemic to Georgia.

*C. svanicum* Charadze

morains, shale; alpine and subnival belts 2550-3100 m.

Transcaucasus: Georgia (Svaneti). Endemic to Georgia.

*C. undulatifolium* Somm. & Levier

morains, rock streams mainly subnival, nival and alpine belts 2 500-4 500 m. rarely subalpine belt.

Northern Caucasus (Greater Caucasus); Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi). Endemic to the Caucasus.

***Charesia akinfiavii*** (Schmalh.) E. Busch

morains, rocks

Northern Caucasus; Transcaucasus: Georgia (Svaneti). Endemic to the Caucasus.

***Dianthus abchasicus*** Gvinianidze

calcareous rocks, stony places, from subalpine up to alpine belt

Transcaucasus: Georgia (Abkhazia, Samegrelo). Endemic to Georgia.

*D. atschurensis* Sosn.

rocks of middle mountain belt

Transcaucasus: Georgia (Meskheta). Endemic to Georgia.

*D. caucaseus* Smith

meadows of upper mountain and subalpine belts

Transcaucasus: Georgia, Azerbaijan, Armenia. Endemic to the Caucasus.

*D. charadzeae* Gagnidze & Gviniashvili

stony, calcareous rock streams 500-2200 m.  
Transcaucasus: Georgia (Abkhazia, Samegrelo). Endemic to Georgia.

*D. daghestaincus* Charadze  
rocks, screes, river terrace  
Northern Caucasus (Dagestania, Ingushetia); Transcaucasus: Georgia (Tush-Pshav-Khevsureti).  
endemic to the Caucasus.

*D. imereticus* (Rupr.) Schischk.  
calcareous rocks of middle mountain belt.  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo, Imereti). Endemic to  
the Caucasus.

*D. inamoenus* Schischk.  
dry, stony places; semidesers, forest belt 700 m.  
Transcaucasus: Georgia (Kartli, Kakheti, Kiziki, Gare Kakheti, Gardabani, Meskheta), Azerbaijan.  
Endemic to the Caucasus.

*D. ketzkhoveli* Makaschvili  
rocks of lower forest belt  
Transcaucasus: Georgia (Adjara, Meskheta). Endangered.

*D. kusnezovii* Marc.  
rocks, rock streams; subalpine and alpine belts  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*D. multicaulis* Boiss. & Huet  
rocks, dry slopes; subalpine and alpine belt 1800-3500 m.  
Transcaucasus: Georgia (Adjara, Kartli, Trialeti, Javakheti, Meskheta)

*D. ruprechtii* Schischk.  
subalpine meadows – 2300 m.  
Northern Caucasus (Dagestania); Transcaucasus: Georgia (Abkhazia, Svaneti, Mtiuleti, Tush-  
Pshav-Khevsureti), Azerbaijan (Kuba). Vulnerable.

*D. subulosus* Freyn & Conrath  
dry meadows, shrubwoods from middle mountain belt up to subalpine belt  
Transcaucasus: Georgia (Kartli, Gare Kakheti, Gardabani, Trialeti, Kvemo Kartli, Javakheti,  
Meskheta). Endemic to Georgia.

*D. transcausicus* Schischk.  
dry meadows, rock streams 1750-2550 m.  
Transcaucasus: Georgia (Javakheti), Armenia. Endemic to the Caucasus.

***Gypsophila robusta*** Grossh.  
rocks, stony places, riverside; steppe and semidesertic areas  
Transcaucasus: Georgia (Kartli, Gare Kakheti), Azerbaijan. Endemic to the Caucasus.

*G. steupii* Schischk.  
calcareous rocks of middle mountain belt  
Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*G. steveni* Fisch. ex Schrank  
steppe, semidesert and lower forest belt  
Transcaucasus: Georgia (Kartli, Kiziki, Gare Kakheti, Gardabani, Meskheta), Azerbaijan, Armenia.  
Endemic to the Caucasus.

***Minuartia abchasica*** Schischk.

calcareous rocks 200-2500 m.

Transcaucasus: Georgia (Abkhazia, Samegrelo), Shore of the Black Sea. Endemic to the Caucasus.

*M. biebersteinii* (Rupr.) Schischk.

rocks, screes, morains of subalpine and alpine belts 1800-3000 m.

Northern Caucasus; Transcaucasus: Georgia (Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti). endemic to the Caucasus.

*M. buschiana* Schischk.

rocks, screes of subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Samegrelo, Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*M. rhodocalyx* (Albov) Woronow

calcareous rock stream, 1550-2500 m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*M. subuniflora* (Albov) Woronow

calcareous rocks, screes 2500-2600 m.

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*M. traurvetteriana* Sosn. & Charadze

rocks, morains; subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi). Endemic to the Caucasus.

*Silene alexeji* Kolak.

calcareous rock fissures, pebble –1500 m.

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*S. boissieri* Panjut.

rocks, screes, limestones of alpine belt.

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*S. caucasica* (Bunge) Boiss.

screes, cirque; mainly alpine belt – 3100 m.

Northern Caucasus; Transcaucasus: Georgia (Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*S. daghestanica* Rupr.

rocks, 1800-1900 m.

Northern Caucasus (Dagestan); Transcaucasus: Georgia (Kakheti). Endemic to the Caucasus.

*S. humilis* C.A.Mey.

pebble; subalpine and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*S. lacera* (Stev.) Sims

screes, pebble, morains, rock steams; upper forest belt and subalpine belt, rarely alpine belt – 2800 m.

Northern Caucasus; Transcaucasus: Georgia (Racha-Lechkhumi, Mtiuleti, Tush-Pshav-Khevsureti, Kakheti). Endemic to the Caucasus.

*S. linearifolia* Otth.

rocks of subalpine belt, rarely alpine and forest belt

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Mtiuleti, Tush-Pshav-Khevsureti, Kakheti). Endemic to the Caucasus.

*S. lychnidea* C.A. Mey.

pebble; alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*S. marcowiczii* Schischk.

rocks, stony places of subalpine and alpine belts 2500-3200 m.

Northern Caucasus; Transcaucasus: Georgia (Racha-Lechkhumi, Shiga Kartli). Endemic to the Caucasus.

*S. pygmaea* Adams

rocks of subalpine and alpine belts, rarely forest belt 1300-3100 m.

Northern Caucasus; Transcaucasus: Georgia (Greater Caucasus), Azerbaijan. Endemic to the Caucasus.

*Stellaria anagalloides* C.A. Mey. ex Rupr.

forests beech, meadows, peatbog of forest, subalpine and alpine belts

Northern Caucasus (Dagestania); Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Samegrelo, Kartli, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

#### Fam. CELASTRACEAE

*Euonymus leiophloea* Stev.

river gorges, gully, dark coniferous forest, beechforest, beech-hornbeam forest, shrubwoods 2100 m.

Northern Caucasus; Transcaucasus: Georgia, Azerbaijan. Endemic to the Caucasus.

#### Fam. CELTIDACEAE

*Celtis australis* L.

calcareous outcrops near sea level up to 700 m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Guria). Vulnerable.

*C. caucasica* Willd

rocks, stony places from lower mountain belt up to middle mountain belt

Northern Caucasus; Transcaucasus: Georgia (Kartli, Kakheti, Gare Kakheti, Kiziki, Kvemo Kartli). Vulnerable.

*C. glabra* Stev. ex Planchon

dry, stony places 1500-1700 m.

Northern Caucasus; Transcaucasus: Georgia (Kartli), Azerbaijan, Armenia. Vulnerable.

#### Fam. CHENOPODIACEAE

*Anabasis aphylla* L.

winter pastures

Transcaucasus: Georgia (Kiziki), Azerbaijan. Rare.

*Chenopodium nidorosum* Otschiauri

dry slopes – 1600 m.

Transcaucasus: Georgia (Tush-Pshav-Khevsureti). Endemic to Georgia.

#### Fam. CISTACEAE

*Helianthemum georgicum* Juz. & Pozd.

dry stony places; lower and middle mountain belts

Transcaucasus: Georgia (Kartli, Trialeti, Javakheti, Meskheta). Endemic to Georgia.

## Fam. COLCHICACEAE

*Colchicum speciosum* Stev.

wet meadows; upper mountain belt up to alpine belt

Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Samegrelo, Adjara, Imereti, Shiga Kartli, Kartli, Kakheti). Vulnerable.

*C. szovitsii* Fisch & C.A. Mey.

subalpine and alpine meadows – 2500 m.

Transcaucasus: Georgia (Kartli, Javakheti). Vulnerable.

*C. umbrosum* Stev.

shrubwoods, grassy slopes; lower and upper mountain belt – 2400 m.

Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Imereti, Shiga Kartli, Kartli, Trialeti). Vulnerable.

*C. woronowii* Bokeria

forests, 300 m.

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*Merendera raddeana* Regel

subalpine and alpine meadows – 3100m.

Transcaucasus: Georgia (Imereti, Guria, Kartli). Vulnerable.

*M. trigyna* (Ad.) Woronow

dry slopes from lower mountain belt up to upper mountain belt

Transcaucasus: Georgia (Kartli, Kakheti). Vulnerable.

## Fam. COMMELINACEAE

*Commelina benghalensis* L.

shore of the Black Sea.

Transcaucasus: Georgia (Adjara). Rare.

## Fam. COMPOSITAE

*Achillea griseo-virens* Albov

forests, forest margins; subalpine meadows

Transcaucasus: Georgia (Abkhazeti, Samegrelo, Imereti), Shore of the Black Sea. Endemic to the Caucasus.

*A. ptarmicifolia* (Willd.) Rupr. ex Heimerl

rocks, screes of subalpine and alpine belts

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Shiga Kartli, Mtiuleti, Kakheti). Endemic to the Caucasus.

*A. sedelmeyeriana* Sosn.

moist places of middle mountain belt

Transcaucasus: Georgia (Javakheti). Endemic to Georgia.

*Aetheopappus caucasicus* Sosn.

rocks, rock streams

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*A. vvedenskii* (Sosn.) Sosn.

stony places, subalpine meadows

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo). Endemic to the Caucasus.

***Alboidoxa elegans*** (Albov) Woronow

limestones, rock fissures, screes, alpine belt

Transcaucasus: Georgia (Abkhazia, Samegrelo). Endemic to Georgia.

***Anthemis emiliae*** Sosn.

dry rock fissures

Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*A. maris-nigri* Fed.

forest belt

Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*A. marschalliana* Willd.

stony places of alpine belt

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Shiga Kartli). Endemic to the Caucasus.

*A. saguramica* Sosn.

forest margins, shrubwoods of middle mountain belt

Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*A. saportana* Albov

rocks; alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*A. schischkiniana* Fed.

subalpine and alpine belt

Transcaucasus: Georgia (Imereti). Rare.

*A. zyghia* Woronow

meadows, calcareous rocks, 2000-2100 m.

Transcaucasus: Georgia (Abkhazia, Adjara). Endemic to Georgia.

***Arctium palladini*** (Marc.) Grossh.

forest, forest margins, open stony places

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Imereti, Kartli), Azerbaijan. Endemic to the Caucasus.

*A. transcausicum* Sosn.

ruderal places; subalpine belt

Transcaucasus: Georgia (Kakheti, Trialeti), Azerbaijan. Endemic to the Caucasus.

***Artemisia splendens*** Willd.

rocks; subalpine and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti), Azerbaijan, Armenia. Endemic to the Caucasus.

***Aster colchicus*** Albov

limestones from middle mountain belt up to subalpine belt

Transcaucasus: Georgia (Samegrelo, Racha-Lechkhumi). Endemic to Georgia.

***Carduus hohenackeri*** Kazmi

riverside

Transcaucasus: Georgia (Kartli, Trialeti). Endemic to Georgia.

*C. onopordioides* Fish. ex Bieb.



dry, stony slopes, rocks; lower to middle mountain belt  
 Transcaucasus: Georgia (Kartli, Trialeti, Meskheti), Azerbaijan, Armenia. Endemic to the Caucasus.

*C. poliochrus* Erhr.  
 mountain meadows  
 Northern Caucasus (Dagestania); Transcaucasus: Georgia. Endemic to the Caucasus.

***Centaurea adjarica*** Albov  
 rocks  
 Transcaucasus: Georgia (Adjara, Meskheti). Endemic to Georgia.

*C. bagadensis* Woronow  
 calcareous rocks, rock fissures  
 Transcaucasus: Georgia (Abkhazia, Samegrelo, Racha-Lechkhumi). Endemic to Georgia.

*C. bella* Trautv.  
 rock fissures of lower and middle mountain belt  
 Transcaucasus: Georgia (Kartli, Kakheti, Gare Kakheti, Trialeti, Javakheti, Meskheti). Vulnerable.

*C. georgica* Klok.  
 rocks, stony foothills  
 Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*C. glechnii* Trautv.  
 dry slopes, meadows, lake coast; middle mountain belt  
 Northern Caucasus (Dagestania); Transcaucasus: Georgia (Kartli, Mtiuleti, Kvemo Kartli, Javakheti, Meskheti), Azerbaijan, Armenia. Endemic to the Caucasus.

*C. gulissashvili* Dumbadze  
 river gorges, slopes  
 Transcaucasus: Georgia (Meskheti), Armenia. Endemic to the Caucasus.

*C. ossetica* Sosn.  
 dry meadows of subalpine belt  
 Transcaucasus: Georgia (Shiga Kartli). Rare.

*C. stevenii* Bieb.  
 dry, grass, slopes, middle mountain belt  
 Northern Caucasus; Transcaucasus: Georgia, Armenia. Endemic to the Caucasus.

*C. transcaucasuca* Sosn. ex Grossh.  
 dry slopes, screes, rocks  
 Transcaucasus: Georgia (Kartli, Kakheti, Gardabani, Trialeti), Azerbaijan. Endemic to the Caucasus.

***Cicerbita deltoides*** (Bieb.) Beauverd  
 forests of middle mountain belt  
 Northern Caucasus; Transcaucasus: Georgia (Kartli), Azerbaijan. Endemic to the Caucasus.

*C. macrophylla* (Willd.) Wallr.  
 shrubwoods, forest margins, wet gorges, tall herbaceous vegetation  
 Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Adjara, Shiga Kartli, Kakheti, Tush-Pshav-Khevsureti, Trialeti, Javakheti), Armenia. Endemic to the Caucasus.

*C. olgae* Leskov  
 forests, river gorges; upper mountain belt  
 Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*C. prenanthoides* (Bieb.) Beauverd  
forest margins, gully, tall herbaceous vegetation  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi \, Adjara, Shiga kartli, Kakheti), Armenia. Endemic to the Caucasus.

*Cirsium abkhasicum* (Petrak) Grossh.  
forest belt  
Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*C. albowianum* Somm. & Levier  
forest belt, 200 m.  
Transcaucasus: Georgia (Svaneti). Endemic to Georgia.

*C. aggregatum* Ledeb.  
meadows, megaphorbias  
Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo, Imereti, Guria, Adjara, Meskhети). Rare.

*C. bushianum* Charadze  
forests, riverside, screes; middle mountain belt and alpine belt  
Northern Caucasus (Balkaria); Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Samegrelo, Shiga Kartli, Mtiuleti). Endemic to the Caucasus.

*C. caput-medusae* Somm. & Levier  
middle mountain and subalpine meadows  
Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo). Endemic to Georgia.

*C. chlorocomos* Somm. & Levier  
riversides, screes 1500-2600 m.  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti). Endemic to the Caucasus.

*C. erythrolepis* C. Koch  
roadside; middle mountain belt up to alpine belt  
Northern Caucasus; Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Shiga Kartli). Endemic to the Caucasus.

*C. euxinum* Charadze  
roadside; lower mountain belt  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*C. fominii* Petrak  
subalpine and alpine meadows  
Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*C. hydrophiloides* Charadze  
moist places, gully, forests and subalpine belt  
Transcaucasus: Georgia (Mtiuleti, Shiga Kartli). Endemic to the Caucasus.

*C. hypoleucum* DC.  
coniferous forest, tall herbaceous; upper mountain belt  
Transcaucasus: Georgia (Adjara, Kartli, Meskhети). Rare.

*C. imereticum* Charadze  
middle mountain and subalpine belt  
Transcaucasus: Georgia (Imereti). Endemic to Georgia.

*C. kemulariae* Charadze  
felling area, roks; middle mountain belt  
Transcaucasus: Georgia (Imereti). Endemic to Georgia.

*C. ketzkhovellii* Charadze

rock stream; alpine belt

Northern Caucasus; Transcaucasus: Georgia (Kekheti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*C. kuznezowianum* Somm. & Levier

river gorges, tall herbaceous, forest margins; upper mountain and subalpine belt

Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo, Adjara, Imereti, Kartli, Meskheta). Rare.

*C. lappaceum* (Bieb.) Fisch.

dry slopes; middle mountain belt

Transcaucasus: Georgia (Kartli, Shida Kartli), Armenia. Endemic to the Caucasus.

*C. oblongifolium* C. Koch

wet meadows, pebble; upper forest and subalpine belt

Transcaucasus: Georgia (Racha-Lechkhumi, Shida Kartli). Endemic to Georgia.

*C. osseticum* (Adams) Petrak

shrubwoods; forest belt and subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Trialeti, Kakheti), Azerbaijan, Armenia.

Endemic to the Caucasus.

*C. pugnax* Somm. & Levier

subalpine and alpine meadows

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Shida Kartli, Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*C. sosnowskyi* Charadze

limestones; middle mountain and alpine belts

Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Imereti). Endemic to the Caucasus.

*C. sychnosanthum* Petrak

river banks, tall herbaceous; upper forest and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Svaneti). Endemic to the Caucasus.

*C. svaneticum* Somm. & Levier

forest; middle mountain belt

Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo). Endemic to the Caucasus.

*C. uliginosum* (Bieb.) Fisch.

moist places, by streams; of middle mountain belt to subalpine belt

Transcaucasus: Georgia (Racha). Endemic to the Caucasus.

***Cladochaeta candidissima*** (Bieb.) DC.

river banks, seashore, pebble, sand; middle mountain belt.

Northern Caucasus; Transcaucasus: Georgia (Shida Kartli, Mtiuleti, Kartli, Gare Kakheti), Azerbaijan. Endemic to the Caucasus.

***Crepis pulcherima*** Grossh.

meadows, ruderal places – upper mountain belt.

Transcaucasus: Georgia (Kartli), Azerbaijan, Armenia. Endemic to the Caucasus.

*C. sonchfolia* (Bieb.) C.A. Mey.

stony places; middle and upper mountain belt

Northern Caucasus; Transcaucasus: Georgia (Tush-Pshav-Khevsureti, Kakheti). Endemic to the Caucasus.

***Dolichorrhiza caucasica*** (Bieb.) Galushko

wet gorges, meadows, rock fissures – subalpine and alpine belts

Transcaucasus: Georgia (Abkhazia, Samegrelo, Shiga Kartli, Mtiuleti, Javakheti, Meskheti). Rare.

*D. correvoniana* (Albov) Galushko

limestones of alpine belt

Transcaucasus: Georgia (Abkhazia). Rare.

*D. renifolia* (Bieb.) Galushko

rock fissures, moist places; alpine belt

Transcaucasus: Georgia (Svaneti, Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti). Rare.

***Echinops cirsifolius*** C.Koch

shrubwoods, river gorges, dry slopes; middle mountain belt

Transcaucasus: Georgia (Kartli), Armenia. Endemic to the Caucasus.

*E. colchicus* Sosn.

forest margins, rocks; lower and middle mountain belt

Transcaucasus: Georgia (Kartli), Armenia. Endemic to the Caucasus.

*E. conrathii* Freyn

dry slopes; middle mountain belt

Transcaucasus: Georgia (Kvemo Kartli), Armenia. Endemic to the Caucasus.

*E. ossicus* C. Koch

forest margins, shrubwoods, dry slopes; middle mountain belt

Transcaucasus: Georgia (Abkhazia, Shiga Kartli, Kartli), shore of the Black Sea. Endemic to the Caucasus.

***Galatella eldarica*** Kem.–Nath.

field

Transcaucasus: Georgia (Kakheti, Kiziki). Endemic to Georgia.

***Grossheimia macrocephala*** (Muss.–Puschk. ex Willd.) Sosn. & Takht.

meadows of upper mountain belt and subalpine belt

Transcaucasus: Georgia (Racha-Lechkhumi, Kartli, Gare Kakheti, Trialeti, Kvemo Kartli, Javakheti, Meskheti), Azerbaijan, Armenia. Rare.

*G. polyphylla* (Ledeb.) Holub

meadows of upper mountain belt

Transcaucasus: Georgia (Abkhazeti, Svaneti, Racha-Lechkhumi, Adjara, Shiga Kartli). Rare.

***Helichrysum plintocalyx*** (C.Koch) Sosn.

dry, stony places of lower and middle mountain belt

Transcaucasus: Georgia (Kartli, Kiziki, Gardabani). Vulnerable.

*H. polyphyllum* Ledeb.

stony places, middle mountain belt

Transcaucasus: Georgia (Racha-Lechkhumi, Guria, Adjara, Kartli, Trialeti). Endemic to Georgia.

***Hieracium caucasicum*** Naeg. & Peter

forest margins, shrubwoods; upper mountain belt

Transcaucasus: Georgia (Javakheti). Endemic to Georgia.

*H. chlorochromum* Sosn. & Zahn

subalpine meadows

Transcaucasus: Georgia (Svaneti). Endemic to Georgia.

*H. chromolepium* (Zahn) Kem.-Nath.

alpine meadows

Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo, Adjara, Meskheta). Endemic to the Caucasus.

*H. cincinnatum* Fries

open slopes, pebble

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Samegrelo, Adjara, Imereti, Shida Kartli, Mtiuleti). Endemic to the Caucasus.

*H. elisabethae* Kem.-Nath.

bog; upper mountain belt

Transcaucasus: Georgia (Kartli). Endemic to the Caucasus.

*H. khartlicum* Kem.-Nath.

forests; upper mountain belt

Transcaucasus: Georgia (Kartli). endemic to Georgia.

*H. laetevirens* Somm. & Levier

forests, meadows; upper mountain belt

Transcaucasus: Georgia (Abkhazia, Svaneti). Endemic to Georgia.

*H. ruprechtii* Boiss.

meadows from upper mountain belt up to subalpine belt

Northern Caucasus (Dagestan); Transcaucasus: Georgia (Svaneti, Samegrelo, Adjara, Tush-Pshav-Khevsureti, Javakheti, Meskheta), Armenia. endemic to the Caucasus.

*H. tschkubianishwillii* Kem.-Nath.

slopes of subalpine belt

Transcaucasus: Georgia (Javakheti), Armenia. Endemic to the Caucasus.

*H. turfosum* Kem.-Nath.

peatbog; upper mountain belt

Transcaucasus: Georgia (Kartli). Endemic to the Caucasus.

*H. x abakurae* Schelk & Zahn

forests, meadows; of upper mountain belt to subalpine belt

Transcaucasus: Georgia (Svaneti, Shida Kartli, Kartli). Endemic to Georgia.

*H. x erythrocarpum* Peter

meadows, forests, shrubwoods, of upper mountain belt to subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti). Endemic to the Caucasus.

*H. x incaniforme* Litv. & Zahn

pine forests of upper mountain belt

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Javakheti), Armenia. Endemic to the Caucasus.

*H. x litwinowianum* Zahn

forest margins of upper mountain belt

Northern Caucasus; Transcaucasus: Georgia (Shida Kartli, Kartli, Javakheti), Armenia. Endemic to the Caucasus.

*H. x pannoniciforme* Litv. & Zahn

pine forests; upper mountain belt

Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Endemic to the Caucasus.

*H. x pseudosvaneticum* Peter

alpine meadows

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti). endemic to the Caucasus.

*H. x raddeana* Zahn

oak forests from middle mountain up to upper mountain belts

Transcaucasus: Georgia (Adjara, Kartli, Trialeti), Armenia. Endemic to the Caucasus.

*Inula acaulis* Schott

stony places of mountain steppe – 2400 m.

Transcaucasus: Georgia (Meskheta), Armenia. Rare.

*I. magnifica* Lipsky

meadows, forest margins from upper forest belt up to alpine belt

Northern Caucasus; Transcaucasus: Georgia, Azerbaijan. Endemic to the Caucasus.

*Jurinea cartalinica* Boiss.

middle mountain belt

Transcaucasus: Georgia (Kartli, Meskheta). Rare.

*J. elegans* (Stev.) DC.

dry, stony slopes – lower mountain belt

Northern Caucasus; Transcaucasus: Georgia (Kartli), Azerbaijan. Endemic to the Caucasus.

*J. exuberans* (Trautv.) Sosn.

stony places of alpine belt

Transcaucasus: Georgia (Racha-Lechkhumi, Tush-Pshav-Khevsureti). Endemic to Georgia.

*J. levieri* Albov

limestones of alpine belt

Transcaucasus: Georgia (Abkhazeti), Shore of the Black Sea. Endemic to the Caucasus.

*J. pumila* Albov

rock fissures; alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Samegrelo). Endemic to the Caucasus.

*Jurinea squarrosa* (Fish. & C.A.Mey.) Iljin

screes of alpine belt

Transcaucasus: Georgia (Kartli), Armenia. Endemic to the Caucasus.

*Kemulariella abchasica* (Kem.-Nath.) Tamamsh.

limestones from middle mountain belt up to upper mountain belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*K. colchica* (Albov) Tamamsh.

limestones from middle up to alpine belt

Transcaucasus: Georgia (Samegrelo, Racha-Lechkhumi). Endemic to Georgia.

*K. rosea* (Stev. ex Bieb.) Tamamsh.

forest margins, rocks, moist places, S – slopes 1600-1800m.

upper forest belt

Northern Caucasus; Transcaucasus: Georgia (Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*K. tugana* (N.Albov) S.Tamamsh.

calcareous rocks from middle mountain belt up to alpine belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*Lamyropsis charadzeae* Kimeridze

rock stream, rock, cobble, slopes; Subalpine belt

Northern Caucasus (Balkaria, Dagestania); Transcaucasus: Georgia (Svaneti), Azerbaijan. Endemic to the Caucasus.

*L. sinuata* (Trautv.) M. Dittrich  
scree, middle mountain belt

Northern Caucasus; Transcaucasus: Georgia (Kartli, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

***Lapsana pinnatisecta*** (Somm. & Levier) Ter-Chatsch.

forests, forest margins – upper mountain belt

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Samgrelo, Imereti, Adjara, Kakheti), Azerbaijan. Endemic to the Caucasus.

***Petasites georgicus*** Manden.

wet gorges, forests from upper mountain up to upper mountain belt

Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*P. fominii* Bordz.

pebble, rock fissures of alpine belt

Transcaucasus: Georgia (Racha-Lechkhumi, Shiga Kartli, Mtiuleti). Endemic to Georgia.

***Podospermum alpigenum*** C. Koch

subalpine and alpine meadows

Northern Caucasus; Transcaucasus: Georgia (Guria, Adjara), Azerbaijan, Armenia. Endemic to the Caucasus.

*P. grigoraschvili* Sosn.

alpine meadows

Northern Caucasus; Transcaucasus: Georgia (Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*P. idae* Sosn.

middle mountain belt

Transcaucasus: Georgia (Meskheta). Endemic to Georgia.

***Psephellus abchasicus*** Albov

stony places, limestones

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*P. adjaricus* (Albov) Grossh.

limestones; alpine meadows

Transcaucasus: Georgia (Adjara). Endemic to Georgia.

*P. barbeyi* Albov

calcareous rocks, pebble

Northern Caucasus; Transcaucasus: Georgia (Abkhazeti), Shore of the Black Sea. Endemic to the Caucasus.

*P. carthalinicus* Sosn.

stony slopes of lower and middle mountain belt

Transcaucasus: Georgia (Kartli, Kiziki, Gare Kakheti). Endemic to Georgia.

*P. colchicus* Sosn.

limestones of alpine belt

Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-lechkhumi, Samegrelo, Imereti, Shiga Kartli). Endemic to Georgia.

*P. daghestanicus* Sosn.

dry, stony slopes

Northern Caucasus; Transcaucasus: Georgia (Tush-Pshav-Khevsureti), Azerbaijan. Endemic to the Caucasus.

*P. dealbatus* (Willd.) C.Koch  
subalpine meadows

Northern Caucasus; Transcaucasus: Georgia (Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti, Kakheti), Azerbaijan. Endemic to the Caucasus.

*P. holophyllum* Socz. & Lipat.  
stony places

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*P. kolakovskiyi* Sosn.

pebble, limestones, dry slopes

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*P. meskheticus* (Sosn.) Sosn.

dry slopes, clay places

Transcaucasus: Georgia (Meskheta). Endemic to Georgia.

*P. somcheticus* Sosn.

meadows of middle mountain and upper mountain belts

Transcaucasus: Georgia (Trialeti, Kvemo Kartli), Armenia. Endemic to the Caucasus.

***Pseudopodospermum leptophyllum*** (DC) Kutatheladze

dry stony slopes

Transcaucasus: Georgia (Meskheta), Azerbaijan, Armenia. Rare.

***Ptilostemon echinocephalus*** (Willd.) greuter

calcareous rocks, rocks, slopes

Northern Caucasus; Transcaucasus: Georgia (Kartli). Endemic to the Caucasus.

***Pyrethrum aromaticum*** Tzvel.

rocks, stony slopes, 2500 m.

Northern Caucasus; Transcaucasus: Georgia (Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*P. carneum* Bieb.

subalpine meadows

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Kvemo Kartli, Trialeti), Armenia. Endemic to the Caucasus.

*P. demetrii* Manden.

stony places, rock stream; alpine belt

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti). Endemic to the Caucasus.

*P. glanduliferum* Somm. & Levier

subalpine meadows

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Samgrelo). Endemic to the Caucasus.

*P. leptophyllum* Stev. ex Bieb.

rocks; middle and upper mountain belt

Northern Caucasus; Transcaucasus: Georgia (Kakheti), Azerbaijan. Endemic to the Caucasus.

*P. marionii* Albov

meadows, rock stream, limestones; lower mountain belt

Transcaucasus: Georgia (Abkhazia). Rare.

*P. peucedanifolium* (Sosn.) Manden.



rocks; middle mountain belt  
Transcaucasus: Georgia (Svaneti). Endemic to Georgia.

*P. sevanense* Sosn.  
stony slopes, rock fissures; middle and upper mountain belt  
Transcaucasus: Georgia (Kvemo Kartli), Armenia. Endemic to the Caucasus.

*P. sericeum* (Adams) Bieb.  
dry, stony slopes of middle mountain belt  
Transcaucasus: Georgia (Kvemo Kartli), Armenia. Vulnerable.

***Scorzonera biebersteinii*** Lipsh.  
dry slopes; middle mountain belt  
Northern Caucasus; Transcaucasus: Georgia (Kartli, Mtiuleti, Kakheti, kiziki, Gare Kakheti, Trialeti), Armenia. Endemic to the Caucasus.

*S. charadzeae* Papava  
calcareous rocks of middle mountain belt  
Transcaucasus: Georgia (Mtiuleti). Endemic to Georgia.

*S. dzhawakhetica* Sosn. ex Grossh.  
dry slopes of middle mountain belt  
Transcaucasus: Georgia (Javakheti). Rare.

*S. ketzkhoveli* Sosn. ex Grossh.  
dry slopes of middle mountain belt  
Transcaucasus: Georgia (Javakheti). Endemic to Georgia.

*S. kozlowskyi* Sosn. ex Grossh.  
dry slopes; middle mountain belt  
Transcaucasus: Georgia (Javakheti). Endemic to Georgia.

***Senecio kolenatianus*** C.A. Mey  
subalpine meadows  
Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Samegrelo, Guria, Shiga Kartli, Kartli, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*S. lapsanoides* DC.  
forest margins, meadows; alpine belt  
Northern Caucasus; Transcaucasus: Georgia (Tush-Pshav-khevsureti). Endemic to the Caucasus.

*S. massagetovii* Schischk.  
rocks; middle and upper mountain belt  
Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*S. pandurifolius* C.Koch  
rock fissures, meadows, from lower mountain belt up to subalpine belt  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Samegrelo, Imereti, Adjara). Endemic to the Caucasus.

*S. platyphylloides* Somm. & Levier  
forest margins; subalpine meadows  
Transcaucasus: Georgia (Abkhazia, Svaneti, Adjara). Endangered.

*S. pojarkovae* Schischk.  
forest margins, tall herbaceous  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Samegrelo). Endemic to the Caucasus.

*S. propinquus* Schischk

forest, forest margins; upper mountain belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhuni, Samegrelo, Imereti, Guria, Adjara, Shiga Kartli, Mtiuleti, Trialeti, Meskheta). Endemic to the Caucasus.

*S. rhombifolius* (Adams) Sch. Bip.

forest margins, megaphorbiae from upper mountain belt up to subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo, Imereti, Guria, Adjara, Shiga Kartli, Kartli, Mtiuleti, Meskheta). Endemic to the Caucasus.

*S. similiflorus* Kolak.

scree; upper mountain belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*S. sosnovskyi* Sof.

moraine, scree; alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*Solidago caucasica* Kem.-Nath.

forest, meadows from upper mountain to alpine belt

Northern Caucasus; Transcaucasus: Georgia. Endemic to the Caucasus.

*S. turfosa* Woronow ex Grossh.

lowland

Transcaucasus: Georgia (Adjara, Samegrelo). Endemic to Georgia.

*Sonchus ketzkhoveli* Schischk.

Transcaucasus: Georgia (Javakheti), Armenia. Endemic to the Caucasus.

*Sosnowskya amblyolepis* (Ledeb.) Takht.

rocks; middle mountain belt

Transcaucasus: Georgia (Kartli, Mtiuleti, Meskheta), Azerbaijan. Rare.

*Steptorampus tuberosus* (Jacq.) Grossh.

rocks, scree, in tragacanth formation

Northern Caucasus; Transcaucasus: Georgia (Kartli). Rare.

*Taraxacum confusum* Schischk.

meadows, subalpine and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Imereti, Mtiuleti, Shiga Kartli, Tush-Pshav-Khevsureti, Kvemo Kartli, Meskheta). Endemic to the Caucasus.

*T. grossheimii* Schischk.

ruderal places, lower and middle mountain belt

Transcaucasus: Georgia (Imereti, Adjara), Azerbaijan, Armenia. Endemic to the Caucasus.

*T. praticola* Schischk.

meadows, grassy slopes from lower mountain belt up to upper mountain belt

Transcaucasus: Georgia (Kartli, Kiziki, Gare Kakheti, Gardabani), Azerbaijan, Armenia. Endemic to the Caucasus.

*T. woronowii* Schischk.

roadsides, grassy slopes

Transcaucasus: Georgia (Shiga Kartli). Endemic to Georgia.

*Tephroseria cladobotrys* (Ledeb.) Griseb.

meadows from middle mountain belt up to subalpine belt

Transcaucasus: Georgia (Kartli, Kakheti, Gare Kakheti). Endemic to the Caucasus.

*T. karjaginii* (Sof.) Holub

stony places, rock stream; alpine belt

Northern Caucasus (Dagestania, Osetia); Transcaucasus: Georgia (Abkhazia, Svaneti, Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*T. subfloccosa* (Schischk.) Czer.

forest mergins, from middle mountain belt up to subalpine

Northern Caucasus (Dagestania); Transcaucasus: Georgia (Kartli). Endemic to the Caucasus.

***Tragopogon colchicus*** Albov

alpine meadows

Transcaucasus: Georgia (Abkhazia, Samegrelo). Endemic to Georgia.

*T. filifolius* Rehm. ex Boiss.

alpine and subalpine meadows

Northern Caucasus; Transcaucasus: Georgia (Shiga Kartli, Mtiuleti). Endemic to the Caucasus.

*T. kemulariae* Kuthatheladze

subalpine belt

Transcaucasus: Georgia (Javakheti). Endemic to Georgia.

*T. ketzkhovellii* Kuthatheladze

xerophilous areas; middle mountain belt

Transcaucasus: Georgia (Javakheti). Endemic to Georgia.

*T. makaschwilii* Kuthatheladze

arable lands; lower mountain belt

Transcaucasus: Georgia (Javakheti). Endemic to Georgia.

*T. marginatus* Boiss. & Buhse

dry, open slopes; lower and middle mountain belt

Transcaucasus: Georgia (Meskheta), Azerbaijan, Armenia. Endemic to the Caucasus.

*T. meskheticus* Kuthatheladze

saline soil; lower mountain belt

Transcaucasus: Georgia (Meskheta). Endemic to Georgia.

*T. otschiauri* Kuthatheladze

subalpine meadows

Transcaucasus: Georgia (Tush-Pshav-Khevsureti). Endemic to Georgia.

*T. serotinus* Sosn.

dry places; lower forest belt

Transcaucasus: Georgia (Kartli, Meskheta), Azerbaijan. Endemic to the Caucasus.

*T. tuberosus* C. Koch

dry slopes, shrubwoods; lower mountain belt

Northern Caucasus; Transcaucasus: Georgia (Kartli, Kvemo Kartli), Azerbaijan. Endemic to the Caucasus.

***Tripleurospermum colchicum*** (Manden.) Pobed.

stony, dry slopes

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Imereti). Endemic to the Caucasus.

*T. transcausicum* (Manden.) Pobed.

wet meadows; middle and upper mountain belt  
Transcaucasus: Georgia (Trialeti, Javakheti), Armenia. Endemic to the Caucasus.

#### Fam. CONVALLARIACEAE

*Convallaria transcaucasica* Utkin ex Grossh.

forests, shrubwoods

Transcaucasus: Georgia (Abkhazia, Svaneti, Imereti, Kartli, Trialeti, Meskheta), Azerbaijan

*Polygonatum glaberrimum* C.Koch

forests of middle mountain belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Imereti, Kartli, Kakheti), Azerbaijan.  
Endemic to the Caucasus.

*P. obtusifolium* (C.Koch) Misch. ex Grossh.

forests of lower and middle mountain belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

#### Fam. CORNACEAE

*Swida azmazica* (Sanadze) Gviniashvili

forest of lower mountain belt

Transcaucasus: Georgia. Endemic to Georgia.

*S. iberica* (Woronow) Pojark.

shrubs, forest margins; middle mountain belt

Transcaucasus: Georgia (Kartli), Azerbaijan, Armenia. Endemic to the Caucasus.

#### Fam. CORYLACEAE

*Corylus colchicus* Albov

stony places, limestones, forest margins from middle mountain up to subalpine belt

Transcaucasus: Georgia (Abkhazia, Samegrelo). Endemic to Georgia.

*C. iberica* Wittm. emend Kem.-Nath.

middle mountain up to upper mountain belts

Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Endemic to the Caucasus.

*C. imeretica* Kem.-Nath.

forests, forest margins, limestones of middle mountain belt

Transcaucasus: Georgia (Racha-Lechkhumi, Imereti, Guria, Kartli). Endemic to Georgia.

*C. kachetica* Kem.-Nath.

forest and forest margins

Northern Caucasus; Transcaucasus: Georgia (Kakheti). Endemic to the Caucasus.

*C. pontica* C. Koch

forest, forest margins of middle mountain belt

Transcaucasus: Georgia (Abkhazia, Guria, Adjara). Rare.

*Ostrya carpinifolia* Scop.

forest of lower and middle mountain belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Samegrelo, Imereti, Guria, Kartli, Meskheta). Rare.

## Fam. CRASSULACEAE

***Sedum abchasicum*** Kolak.

rocks, rock streams; subalpine belt  
Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

***S. involucreatum*** Bieb.

stony places, subalpine and alpine belt  
Northern Caucasus; Transcaucasus: Georgia (Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti, Kvemo Kartli), Azerbaijan. Endemic to the Caucasus.

***Sempervivum annae*** Gurgenidze

rocks, meadows, opening; mainly subalpine and alpine belts  
Northern Caucasus; Transcaucasus: Georgia (Svaneti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

***S. caucasicum*** Rupr.

rocks, morains, pine forests  
Northern Caucasus; Transcaucasus: Georgia, Azerbaijan. Endemic to the Caucasus.

***S. charadzeae*** Gurgenidze

rocks, forests; middle mountain belt  
Transcaucasus: Georgia (Racha-Lechkhumi). Endemic to Georgia.

***S. ermanicum*** Gurgenidze

rocks, volcanic shale; subalpine and alpine belt  
Transcaucasus: Georgia (Shiga Kartli). Endemic to Georgia.

***S. pumilum*** Bieb.

rocks, morains; subalpine and alpine belt  
Northern Caucasus (Balkaria, Osetia, Dagestania); Transcaucasus: Georgia (Mtiuleti), Azerbaijan.  
Endemic to the Caucasus.

***S. sosnowskyi*** Ter-Chatsch.

rocks; middle mountain belt  
Transcaucasus: Georgia (Kartli). Endemic to Georgia.

***Umbilicus oppositifolius*** Ledeb.

limestones, places; middle mountain belt  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Samegrelo). Endemic to the Caucasus.

## Fam. CRUCIFERAE

***Aethionema cardiophyllum*** Boiss. & Held.

dry, stony slopes of middle mountain belt, rarely upper mountain belt  
Transcaucasus: Georgia (Meskheta), Armenia. Rare.

***Allaria brachycarpa*** Bieb.

rock stream – 1500 m.  
Northern Caucasus; Transcaucasus: Georgia. Endemic to the Caucasus.

***Alyssoides graeca*** (Reut.) Jav.

scree, rarely rocks 900-1000 m.  
Northern Caucasus; Transcaucasus: Georgia (Svaneti). Rare.

***Anchonium elichrysofolium*** (DC.) Boiss.

calcareous rocks, scree 2000-3000 m.  
Transcaucasus: Georgia (Javakheti). Rare.

***Apterigia pumila*** (Stev.) Galushko

rock stream, 2300-2400 m.

Northern Caucasus; Transcaucasus: Georgia, Azerbaijan. Endemic to the Caucasus.

***Arabis colchica*** Kolak.

wet, calcareous rocks of alpine belt

Transcaucasus: Georgia (Abkhazia, Samegrelo). Endemic to Georgia.

***A. kazbeki*** Mtzchvetadze

morains; alpine and subalpine belts 2500-3200 m.

Transcaucasus: Georgia (Mtiuleti). Endemic to Georgia.

***A. mollis*** Stev.

forest, wet rocks 1750m.

Transcaucasus: Georgia (Tush-Pshav-Khevsureti), Azerbaijan, Armenia

***A. nordmanniana*** Rupr.

wet rocks; forest belt – 1500 m.

Transcaucasus: Georgia, Shore of the Black Sea. Endemic to the Caucasus.

***A. sachokiana*** (N.Busch) N.Busch

morains of alpine belt 2000-2700 m.

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

***Barbarea ketzkhoveli*** T.Mardalejshvili

scree, rock stream, 2500-3200m

Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo). Endemic to Georgia.

***Coluteocarpus vesicaria*** (L.) Holmboe

scree 800-2900 m.

Transcaucasus: Georgia (Svaneti, Kartli, Javakheti, Meskheta). Rare.

***Dentaria bipinata*** C.A. Mey.

rock stream; alpine belt 2000-3000 m

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti). Endemic to Georgia.

***D. microphylla*** Willd.

moist slopes, 2000-3200 m.

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Mtiuleti). Endemic to the Caucasus.

***Diplotaxis muralis*** (L.) DC.

calcareous slopes

Transcaucasus: Georgia (Imereti, Kiziki, Gare Kekheti). Rare.

***Draba bryoides*** DC.

rocks, morains of subalpine and alpine belts 2000-3400 m.

Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Endemic to the Caucasus.

***D. imeretica*** (Rupr.) Rupr.

calcareous rocks of middle mountain belt – 1000m.

Transcaucasus: Georgia (Racha-Lechkhumi, Imereti). Endemic to Georgia.

***D. meskhetica*** Chinth.

calcareous rocks, forests; middle mountain belt, rarely upper mountain belt

Transcaucasus: Georgia (Meskheta). Endemic to Georgia.

***D. mingrelica*** Schischk.

calcareous rocks of alpine belt 1800-2100 m.

Transcaucasus: Georgia (Svaneti, Samegrelo, Imereti). Endemic to Georgia.

*D. ossetica* (Rupr.) Somm. & Levier  
rocks 1200-3000 m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Mtiuleti). Endemic to the Caucasus.

*D. scabra* C.A. Mey.  
rocks of alpine belt

Northern Caucasus; Transcaucasus: Georgia (Svaneti). Endemic to the Caucasus.

*D. subsecunda* Somm. & Levier

rocks, stony places, middle mountain and upper mountain belts, 1800-2500 m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Samegrelo). Endemic to the Caucasus.

*D. supranivalis* Rupr.

rocks, screes; alpine belt 2700-3300 m.

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*Erysimum aureum* Bieb.

forest, shrubwoods, forest margins – 1800 m.

Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Endemic to the Caucasus.

*E. caucasicum* Trautv.

rocks and slopes of middle mountain belt

Transcaucasus: Georgia (Kartli, Meskhети). Endemic to Georgia.

*E. collinum* (Bieb.) Andr.

dry foothills, slopes, forests; lower and middle mountain belts

Northern Caucasus; Transcaucasus: Georgia (Kartli, Trialeti), Azerbaijan, Armenia. Endemic to the Caucasus.

*E. contractum* Somm. & Lerier

rocks of forest belt

Transcaucasus: Georgia (Adjara). Endemic to Georgia.

*E. ibericum* (Adams) DC.

rocks, screes 1500-1800 m.

Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Endemic to the Caucasus.

*E. krynitzkii* Bordz.

stony places, alpine and subnival belt

Transcaucasus: Georgia (Javakheti). Endemic to Georgia.

*E. subnivale* Prima

morians, srees – 3000-3200 m.

Transcaucasus: Georgia (Tush-Pshav-Khevsureti). Endemic to Georgia.

*E. substrigosum* (Rupr.) N. Busch

dry, calcareous slopes, foothills 1000-2300 m.

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti), Azerbaijan, Armenia. Endemic to the Caucasus.

*Eunomia rotundifolia* C.A. Mey.

stony places, 2000-3400 m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Shiga Kartli, Tush-Pshav-Khevsureti), Azerbaijan, Armenia. Endemic to the Caucasus.

***Isatis caucasica*** (Rupr.) N. Busch

rocks; alpine belt

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti). Endemic to the Caucasus.

***I. iberica*** Stev.

scree; lower and middle mountain belt

Transcaucasus: Georgia (Kartli, Gardabani), Azerbaijan, Armenia. Endemic to the Caucasus.

***I. kozlowskyi*** Grossh.

rocks of subalpine belt

Transcaucasus: Georgia (Kartli). Rare.

***I. reticulata*** C.A. Mey.

subalpine meadows, S – slopes

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Shiga Kartli). Endemic to the Caucasus.

***Pachyphragma macrophyllum*** (Hoffm.) N. Busch

forest, forest margins – 2000 m.

Northern Caucasus; Transcaucasus: Georgia, Azerbaijan. Rare.

***Pseudovesicaria digitata*** (C.A. Mey.) Rupr.

scree; alpine belt

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Mtiuleti, Tush-Pshav-Khevsureti), Armenia. Endemic to the Caucasus.

***Sysimbrium erucastrifolium*** (Rupr.) Trautv.

stony slopes 1700-2500 m.

Northern Caucasus (Dagestania); Transcaucasus: Georgia (Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti), Azerbaijan. Endemic to the Caucasus.

***S. lipskyi*** N. Busch

stony slopes 1000-3000 m.

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti). Endemic to the Caucasus.

***S. praetermissum*** Mardalejshvili

river terrace, calcareous rocks

Transcaucasus: Georgia (Racha-Lechkhumi). Endemic to the Caucasus.

***Sobolewskia caucasica*** (Rupr.) N. Busch

rocks, stony slopes, pebble 900-2200 m.

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti, Kakheti). Endemic to the Caucasus.

***S. clavata*** (Boiss.) Fenzl. in Tchichat

rocks, pebble of middle mountain belt

Transcaucasus: Georgia (Adjara, Kartli, Meskheta), Azerbaijan, Armenia. Rare.

***Torularia eldarica*** Grossh.

clay places; steppe and aridity thinned forest belt

Transcaucasus: Georgia (Kiziki), Azerbaijan. Endemic to the Caucasus.

#### Fam. CUPRESSACEAE

***Juniperus foetidissima*** Willd.

rocks, stony slopes; lower and middle mountain belt

Transcaucasus: Georgia (Kartli, Kiziki, Trialeti). Vulnerable.

***J. polycarpos*** C. Koch



dry, stony slopes; lower and middle mountain belt  
Transcaucasus: Georgia (Kartli, Kiziki). Vulnerable.

*J. pygmaea* C. Koch

rocks; subalpine and alpine belt

Transcaucasus: Georgia (Abkhazia, Svaneti, Guria, Adjara, Javakheti). Vulnerable.

#### Fam. CYPERACEAE

*Carex hypaneura* V.Krecz.

light forest

Transcaucasus: Georgia (Abkhazia, Samegrelo). Endemic to Georgia.

*C. medwedewii* Leskov

subalpine meadows – 2600 m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Adjara, Javakheti), Armenia. Endemic to the Caucasus.

*C. meinshauseniana* V.Krecz.

subalpine and alpine meadows 1800-2500 m.

Northern Caucasus; Transcaucasus: Georgia. Endemic to the Caucasus.

*C. mingrelica* Kuk.

deciduous forest, subalpine meadows

Northern Caucasus; Transcaucasus: Georgia (Abkhazeti, Imereti, Samegrelo, Adjara, Kartli, Javakheti)

*C. oligantha* Steud.

wet meadows, alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Kartli, Mtiuleti, Javakheti). Endemic to the Caucasus.

*Cladium mariscus* (L.) Pohl

river bank, lake coast, bog

Transcaucasus: Georgia (Abkhazia, Samegrelo, Imererti, Adjara, Kartli, Kakheti, Gardabani, Trialeti). Vulnerable.

*Scirpus colchicus* Kimeridze

Transcaucasus. Endemic to the Caucasus.

#### Fam. DIOSCOREACEAE

*Dioscorea caucasica* Lipsky

limestones, broad-leaved forest, forest margins – 1300 m.

Transcaucasus: Georgia (Abkhazeti)

#### Fam. DIPACACEAE

*Cephalaria armeniaca* Bordz.

wet meadows of subalpine belt

Transcaucasus: Georgia (Javakheti), Armenia. Endemic to the Caucasus.

*C. balkharica* E. Bush

subalpine meadows

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Shiga Kartli), Azerbaijan. Endemic to the Caucasus.

*C. calcarea* Albov

limestones of subalpine belt  
Transcaucasus: Georgia (Samegrelo). Endemic to Georgia.

*C. sosnowskyi* Kolak.  
calcareous slopes, 2200 m.  
Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

***Scabiosa adzharica*** Schchian  
rocks from middle mountain belt up to upper mountain belt  
Transcaucasus: Georgia (Guria, Adjara, Meskheta). Endemic to the Caucasus.

*S. caucasica* Bieb.  
subalpine meadows  
Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Endemic to the Caucasus.

*S. colchica* Stev.  
calcareous rocks of middle mountain belt  
Transcaucasus: Georgia (Racha-Lechkhumi). Endemic to Georgia.

*S. correvoniana* Somm. & Levier  
dry, calcareous rocks; upper forest and subalpine belt  
Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo). Endemic to the Caucasus.

*S. georgica* Sulak  
dry slopes, shrubwoods, forest margins; lower and middle mountain belt  
Northern Caucasus (Dagestan); Transcaucasus: Georgia, Azerbaijan, Armenia. Endemic to the Caucasus.

*S. imeretica* (Somm. & Levier) Sulak  
limestones of lower and middle mountain belt  
Transcaucasus: Georgia (Racha-Lechkhumi, Imereti). Endemic to Georgia.

*S. olgae* Albov  
limestones; lower mountain belt  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*S. owerinii* Boiss.  
forest margins, rocks, from middle mountain up to upper mountain belt  
Northern Caucasus (Dagestan); Transcaucasus: Georgia (Kakheti). Endemic to the Caucasus.

#### Fam. DROSERACEAE

***Drosera anglica*** Huds  
peatbog; alpine belt  
Transcaucasus: Georgia (Adjara). Rare.

*D. intermedia* Hayne  
peatbog; alpine belt  
Transcaucasus: Georgia (Adjara). Rare.

*D. rotundifolia* L.  
peat bog  
Transcaucasus: Georgia (Adjara). Rare.

#### Fam. DRYOPTERIDACEAE

***Dryopteris liliiana*** Golits.  
forest, wet rock fissures, among shrubs (*Rhododendron*)

Transcaucasus: Georgia (Adjara). Rare.

**Fam. EBENACEAE**

***Diospyros lotus* L.**

mixed forests, forest margins; near sea level up to 1500m.

Transcaucasus: Georgia (Abkhazia, Samegrelo, Imereti, Guria, Adjara, Kartli, Kakheti).

Endangered.

**Fam. ELAEAGNACEAE**

***Hippophae rhamnoides* L.**

river bank, gully, pebble from middle mountain belt up to alpine belt

Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Imereti, Adjara, Shiga Kartli, Mtiuleti, Gare

Kakheti, Trialeti, Meskhети). Vulnerable.

**Fam. EPHEDRACEAE**

***Ephedra distachya* L.**

dry stony places; semideserts and foothills

**Fam. EQUISETACEA**

***Equisetum silvaticum* L.**

wet forests

Transcaucasus: Georgia (Imereti). Vulnerable.

**Fam. ERICACEAE**

***Arctostaphylos caucasica* (Kvaratzchelia) Lipsch.**

pine forest, shrubwoods, rocks of forest and subalpine belt

Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Samegrelo, Imereti). Rare.

***Arbutus andrachne* L.**

rocks near seashore

Transcaucasus: Georgia (Abkhazia, Adjara). Vulnerable.

***Erica arborea* L.**

oak forest, forest margins, shrubwoods, calcareous rock of lower mountain belt

Transcaucasus: Georgia (Abkhazia). Rare.

***Epigaea gaultheroides* (Boiss. & Bal.) Takht.**

beech forest, birch forest

Transcaucasus: Georgia (Adjara). Endangered.

***Calluna vulgaris* (L.) Hill.**

peatbog

Transcaucasus: Georgia (Adjara). Rare.

***Rhododendron smirnowii* Tzautv.**

forests of middle mountain and upper mountain belt to alpine belt

Transcaucasus: Georgia (Adjara). Rare.

***R. ungerii* Trautv.**

forests, forest margins; middle mountain and upper mountain belt

Transcaucasus: Georgia (Adjara). Rare.

## Fam. EUPHORBIACEAE

***Euphorbia armena*** Prokh.

dry stony places, screes; middle mountain belt

Transcaucasus: Georgia (Kartli, Meskheta), Armenia. Endemic to the Caucasus.

***E. boissieriana*** (Woronow) Prokh.

meadows, shrubwoods, arable land; middle mountain belt, rarely upper mountain belt

Transcaucasus: Georgia (Samegrelo, Kartli, Gare Kakheti, Kiziki). Endemic to Georgia.

***E. eugeniae*** Prokh.

subalpine meadows

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

***E. glaberrima*** C. Koch

forests, shrubwoods, meadows, tall herbaceous, stony places, limestones; from upper mountain belt up to alpine belt

Northern Caucasus (Dagestania); Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo, Shiga Kartli, Mtiuleti, Kakheti, Trialeti), Armenia. Endemic to the Caucasus.

***E. kemulariae*** Ter-Chatsch.

rock stream; subnival belt

Transcaucasus: Georgia (Racha-Lechkhumi). Endemic to Georgia.

***E. macroceras*** Fisch. & C.A. Mey.

forests, forest margins, shrubwoods, megaphorbiae; from lower mountain belt up to subalpine belt

Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Endemic to the Caucasus.

***E. panjutinii*** Grossh.

alpine meadows

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

***E. scripta*** Somm. & Levier

alpine meadows

Transcaucasus: Georgia, Shore of the Black Sea. Endemic to the Caucasus.

***Leptopus colchicus*** (Fisch. & C.A.Mey. ex Boiss.) Pojark.

calcareous rock; lower and middle mountain belt

Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Samegrelo, Imereti). Endemic to Georgia.

## Fam. FAGACEAE

***Castanea sativa*** Mill.

forests of lower and middle mountain belts, of 500 to 1200-1400 m.

Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Samegrelo, Guria, Adjara, Shiga Kartli, Kartli, Kakheti, Trialeti). Endangered.

***Quercus dshorochensis*** C. Koch

dry slopes of middle and upper forest belt, 800-2400 m.

Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti, Kakheti, Trialeti, Meskheta). Rare.

***Q. hartwissiana*** Stev.

clay, half-bog soil; lower and middle mountain belt

Transcaucasus: Georgia (Abkhazia, Samegrelo, Imereti, Guria, Adjara, Kakheti). Endangered.

***Q. iberica*** Stev.

forests of lower and middle mountain belt, 400-1000 (!500) m.  
Transcaucasus: Georgia. Rare.

*Q. imeretina* Stev. ex Woronow

river terrace, moist places, bog soil; lower mountain belt 300-400m.

Transcaucasus: Georgia (Abkhazia, Racha-Lechkumi, Imereti, Guria). Endemic to Georgia.

*Q. macranthera* Fisch. & C.A.Mey ex Hohen.

dry slopes, middle and upper forest belt 800-2400m.

Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Shiga Kartli, Kartli, Mtiuleti, Tush-Pshav-Khevsureti, Kakheti, Trialeti, Meskheta). Vulnerable.

*Q. peduncyliflora* C.Koch.

river bank, gully, river terrace 1000-1100 m.

Transcaucasus: Georgia (Shiga kartli, Kartli, Kakheti, Gardabani, Kvemo Kartli). Vulnerable.

*Q. pontica* C. Koch.

moist, calcareous rocks, clay soil, mainly S-slopes 800-1200 m.

Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo, Guria, Adjara). Endangered.

#### Fam. FUMARIACEAE

*Corydalis alexeenkoana* N.Busch

forest margins, shrubwoods – middle mountain belt

Northern Caucasus (Dagestan); Transcaucasus: Georgia (Kartli, Meskheta). Endemic to the Caucasus.

*C. caucasica* DC.

forests, shrubwoods, moist places of lower and middle mountain belt

Transcaucasus: Georgia (Abkhazia, Racha-Lechkumi, Imereti, Adjara, Shiga Kartli, Kartli, Tush-Pshav-Khevsureti, Kakheti). Rare.

*C. emanuelii* C.A. Mey.

alpine meadows 2000-3000 m.

Transcaucasus: Georgia (Abkhazia, Kartli, Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*C. erdelii* Zucc.

rock stream; middle and upper mountain belt

Transcaucasus: Georgia (Javakheti). Rare.

*C. vittae* Kolak.

by melting snow patch; alpine belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

#### Fam. GENTIANACEAE

*Comastoma dechyanum* (Somm. & Levier) Holub

rock stream; subalpine belt 2300-3200 m.

Northern Caucasus; Transcaucasus: Georgia (Svaneti). Endemic to the Caucasus.

*Gentiana kolakovskiyi* Doluch.

rock fissures, meadows, stony places, pine forests; forest and alpine belt, 500-2200m.

Northern Caucasus; Transcaucasus: Georgia. Endemic to the Caucasus.

*G. lagodechiana* (Kusn.) Grossh.

wet gorges, rocks 850-1800 m.

Northern Caucasus (Dagestania); Transcaucasus: Georgia (Kakheti), Azerbaijan. Endemic to the Caucasus.

*G. oschtenica* (Kusn.) Woronow

meadows, rock stream of 1800-2600 to (3200) m. subalpine and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Racha-Letchkhumi, Samegrelo). Endemic to the Caucasus.

*G. paradoxa* Albov

calcareous rocks, rock streams; forest and subalpine belt (500) 1000-2000 m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*G. zhodocalyx* Kolak.

limestones, rock fissures; subalpine and alpine belt 2200-2500 m.

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

#### Fam. GERANIACEAE

*Erodium anthemidifolium* Bieb.

stony places

Transcaucasus: Georgia (Kartli), Armenia. Endemic to the Caucasus.

*Geranium kemulariae* Charadze

forest margins, tall herbaceous, form forest belt up to subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti). Endemic to the Caucasus.

*G. renardii* Trautv.

meadows, morains; subalpine belt

Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Shiga Kartli). Endemic to Georgia.

*G. ruprechtii* Woronow

subalpine meadows

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

#### Fam. GLOBULARIACEAE

*Globularia trichosantha* Fisch. & Mey.

forest margins, shrubwoods, dry open calcareous slopes; lower and middle mountain belt

Transcaucasus: Georgia (Shiga Kartli, Kartli, Kakheti, Kiziki). Rare.

#### Fam. GRAMINEAE

*Achnatherum caragana* (Trin.) Nevski

stony slopes, scree, rocks, pebble – middle mountain belt

Northern Caucasus (Dagestania); Transcaucasus: Georgia, Azerbaijan. Rare.

*Agropyron puberulum* (Boiss. & Steud.) Grossh.

rock stream; upper mountain belt

Transcaucasus: Georgia (Javakheti). Rare.

*Alopecurus albovii* Tzvel.

stony slopes, rocks; upper mountain belt

Northern Caucasus (Greater Caucasus); Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*A. tuscheticus* Trautv.

stony slopes, scree, rocks; upper mountain belt

Northern Caucasus (Dagestania); Transcaucasus: Georgia (Tush-Pshav-khevsureti). Endemic to the Caucasus.

***Calamagrostis caucasica*** Trin.

dry slopes, meadows, shrubwoods; alpine and subalpine belt.

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti), Azerbaijan. Endemic to the Caucasus.

***C. iberica*** (Griseb.) Litv.

stony slopes, rocks, screes; middle and upper mountain belt

Transcaucasus: Georgia (Kartli). Endemic to the Caucasus.

***Digitaria caucasica*** Henrard

roadside, pebble, sands; lower mountain belt

Northern Caucasus; Transcaucasus: Georgia. Endemic to the Caucasus.

***Elymus buschianus*** (Roshev.) Tzvel.

rock stream, stony slopes; alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Shiga Kartli). Endemic to the Caucasus.

***E. troctolepis*** (Nevski) Tzvel.

calcareous rocks, stony slopes; middle and upper mountain belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

***Elytrigia gracillima*** (Nevski) Nevski

calcareous rocks, stony slopes

Northern Caucasus (Dagestania); Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

***Festuca bushiana*** (St.-Yves) Tzvel.

stony slopes, pebble; upper mountain belt

Northern Caucasus; Transcaucasus: Georgia (Adjara, Svaneti). Rare.

***F. caucasica*** (Boiss.) Hack. ex Trautv.

rocks, stony places, upper mountain and alpine belt

Northern Caucasus (Dagestania); Transcaucasus: Georgia (Abkhazia, Mtiuleti). Endemic to the Caucasus.

***F. sommierii*** Litard.

calcareous rocks, stony slopes; upper mountain belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

***Hordelymus europaeus*** (L.) Harz.

mixed, broad-leaved forest; lower and middle mountain belt

Transcaucasus: Georgia (Abkhazeti, Adjara, Shiga Kartli, Kartli, Kakheti, Trialeti, Meskheti)

***Koeleria luersseni*** (Domin) Domin

stony places, meadows, calcareous rocks; middle and upper mountain belt

Northern Caucasus; Transcaucasus: Georgia (Shiga Kartli, Mtiuleti). Endemic to the Caucasus.

***Melica minor*** Hack.

rocks, alpine belt

Northern Caucasus (Osetia, Dagestania); Transcaucasus: Georgia (Mtiuleti). Endemic to the Caucasus.

***Molinia litoralis*** Host

river bank, swamping – lower mountain belt

Transcaucasus: Georgia (Abkhazeti, Samegrelo, Imereti, Adjara)

***Paracolpodium colchicum*** (Albov) Tzvel.

moranis, circus, stony slopes, pebble; alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Samegrelo, Guria, Adjara, Mtiuleti, Shiga Kartli). Endemic to the Caucasus.

***Poa caucasica*** Trin.

alpine meadows, stony places

Northern Caucasus; Transcaucasus: Georgia (Kakheti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

***Secale kuprianovii*** Grossh.

forest margins, meadows; middle and upper mountain belt

Transcaucasus: Georgia (Abkhazia). Endangered.

***Setaria italica*** (L.) Beauv.

middle mountain belt

Transcaucasus: Georgia (West). Extinct.

***Stipa daghestanica*** Grossh.

dry stony slopes from middle mountain up to upper mountain belts

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*S. pennata* L.

stony places, meadows; middle and upper mountain belt

Transcaucasus: Georgia (Kartli, Mtiuleti). Rare.

*S. pulcherrima* C. Koch

meadows from lower mountain belt up to upper mountain belt

Transcaucasus: Georgia (Kartli, Kakheti, Kiziki, Gare Kakheti, Gardabani, Trialeti, Javakheti, Meskheti). Rare.

***Trisetum buschianum*** Seredin

rocks, rock stream; alpine belt

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti). Endemic to the Caucasus.

*T. teberdense* (Litv.) Charadze

moranis, rock streams; subalpine and upper mountain belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo). Endemic to the Caucasus.

***Zingeria biebersteiniana*** (Claus) P.Smirn.

meadows, roadsides

Northern Caucasus; Transcaucasus: Georgia. Rare.

#### Fam. HEMI ONIT IDACEAE

***Anogramma leptophylla*** (L.) Link

dry rocks by the seashore

Transcaucasus: Georgia (Samegrelo, Guria, Adjara). Rare.

#### Fam. HYACINTACEAE

***Bellevalia montana*** (C. Koch) Boiss.

meadows 1500-2400 m.

Transcaucasus: Georgia (Kartli), Armenia. Endemic to the Caucasus.



*B. speciosa* Woronow  
dry slopes, steppe 1200-2100 m.  
Transcaucasus: Georgia (Kartli, Javakheti). Vulnerable.

*B. wilhelmsii* (Stev.) Woronow  
steppe; lower mountain belt  
Transcaucasus: Georgia (Kartli, Gare Kakheti). Endemic to the Caucasus.

***Muscari alpanicum*** Schchian  
limestones; middle mountain belt  
Transcaucasus: Georgia (Racha-Lechkhumi). Endemic to Georgia.

*M. coeruleum* Losinsk.  
subalpine and alpine meadows  
Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*M. dolichanthum* Woronow  
alpine meadows  
Transcaucasus: Georgia (Abkhazia), Shore of the Black Sea. Endemic to the Caucasus.

*M. leucostomum* Woronow  
dry slopes of lower mountain belt  
Transcaucasus: Georgia (Kartli). Vulnerable.

*M. pallens* (Bieb.) Fisch.  
rock fissures, meadows; subalpine belt 1800-3000 m.  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Guria, Shiga Kartli, Mtiuleti).  
Endemic to the Caucasus.

*M. sosnowskyi* Schchian  
rocks, rock streams, rarely meadows; upper mountain belt and subalpine belt  
Transcaucasus: Georgia (Adjara, Kartli, Javakheti). Endemic to the Caucasus.

*M. szovitsianum* Baker  
shrubwoods; lower mountain belt  
Transcaucasus: Georgia (Kartli, Kakheti). Vulnerable.

***Ornithogalum imereticum*** Sosn.  
forest; middle mountain belt  
Transcaucasus: Georgia (Imereti). Endemic to Georgia.

*O. magnum* Krasch. & Schischk.  
forests, shrubwoods  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Kartli, Kakheti), Azerbaijan. Endemic to the Caucasus.

*O. shmalhausenii* Albov  
alpine and subalpine meadows  
Northern Caucasus; Transcaucasus: Georgia (Abkhazeti, Racha-Lechkhumi, Kartli, Mtiuleti, Kakheti, Meskheti), Azerbaijan, Armenia. Endemic to the Caucasus.

*O. woronowii* Krasch.  
forest margins, shrubwoods  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Imereti, Kakheti). Endemic to the Caucasus.

***Puschkinia scilloides*** Adam  
meadows, shrubwoods; subalpine and alpine belt

Transcaucasus: Georgia (Abkhazia, Adjara, Kartli, Javakheti). Vulnerable.

*Scilla armena* Grossh.

meadows; upper mountain and subalpine belt

Transcaucasus: Georgia (Kartli, Javakheti, Meskheti). Vulnerable.

*S. bifolia* L.

forest margins, shrubwoods, grassy slopes; lower mountain belt

Transcaucasus: Georgia (Abkhazia, Imereti, Kakheti). Vulnerable.

*S. otschiauri* H. Mordak

field, maple forest, 1750-2200 m.

Transcaucasus: Georgia (Kakheti). Endemic to Georgia.

*S. rosenii* C. Koch

subalpine meadows

Transcaucasus: Georgia (Kartli, Javakheti, Meskheti). Rare.

*S. sibirica* Andr.

forest, shrubwoods; middle mountain belt

Transcaucasus: Georgia (Racha-Lechkhumi, Imereti, Kartli, Kakheti). Rare.

#### Fam. HYMENOPHYLLACEAE

*Hymenophyllum tunbrigense* (L.) Smith.

wet rocks, stony places by the seashore 100-700 m.

Transcaucasus: Georgia (Adjara). Endangered.

#### Fam. HYPERICACEAE

*Hypericum bupleuroides* Griseb.

moist places, forests from lower mountain belt up to upper mountain belt

Transcaucasus: Georgia (West). Vulnerable.

*H. grossheimii* Kem.-Nath.

elfin woodland, rhododendron shrublet (shkeriani); upper mountain and subalpine belt

Transcaucasus: Georgia (Guria, Adjara). Endemic to Georgia.

*H. nordmanii* Boiss.

meadows; upper mountain belt

Transcaucasus: Georgia (Adjara). Endemic to Georgia.

#### Fam. IRIDACEAE

*Crocus adamii* J. Gay

shrubby woods; middle mountain belt

Transcaucasus: Georgia (Kartli, Khevsureti). Vulnerable.

*C. artvinensis* (Philippow) Grossh.

subalpine meadows

Transcaucasus: Georgia (Adjara). Vulnerable.

*C. autranii* Albov

calcareous slopes of alpine belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*C. sharojanii* Rupr.

alpine and subalpine meadows

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Samegrelo).  
Endemic to the Caucasus.

*C. speciosus* Bieb.

forest margins, shrubwoods; subalpine belt

Transcaucasus: Georgia (Abkhazeti, Racha-Lechkhumi, Imereti, Kartli, Mtiuleti, Tush-Pshav-Khevsureti, Trialeti, Meskheti). Vulnerable.

*C. vallicola* Herb.

alpine meadows

Transcaucasus: Georgia (Abkhazia, Guria, Adjara). Vulnerable.

***Gladiolus caucasicus*** Herb.

moist places, mountain meadows

Transcaucasus: Georgia (Shiga Kartli, Kartli, Mtiuleti, Kakheti, Javakheti), Armenia. Endemic to the Caucasus.

*G. dzavakheticus* Eristavi

lake coast

Transcaucasus: Georgia (Javakheti). Endemic to Georgia.

*G. italicus* Mill.

moist places, grassy slopes, shrubwoods, arable land

Northern Caucasus; Transcaucasus: Georgia (Kartli, Djavakheti, Meskheti), Azerbaijan, Armenia. Vulnerable.

*G. kotschyanus* Boiss.

mountain meadows

Transcaucasus: Georgia (Kartli). Vulnerable.

*G. tenius* Bieb.

meadows

Transcaucasus: Georgia (Kartli, Mtiuleti). Endemic to Georgia.

***Iris carthalinica*** Fomin

moist places from lowland up to middle mountain belt

Transcaucasus: Georgia (Kartli). Endemic to the Caucasus.

*I. caucasica* Hoffm.

dry, grassy slopes; middle mountain belt

Transcaucasus: Georgia (Kartli). Rare.

*I. colchica* Kem.-Nath.

subalpine meadows, shrubwoods of middle mountain belt

Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Imereti). Endemic to the Caucasus.

*I. furcata* Bieb.

grassy slopes; middle mountain belt

Transcaucasus: Georgia (Kartli, Mtiuleti, Tush-Pshav-Khevsureti, Javakheti). Vulnerable.

*I. iberica* Hoffm.

dry places of middle mountain belt

Transcaucasus: Georgia (Kartli, Gardabani). Endemic to the Caucasus.

*I. lazica* Albov

forest; middle mountain belt

Transcaucasus: Georgia (Guria, Adjara). Vulnerable.

*I. pumila* L.

dry places, steppes

Transcaucasus: Georgia (Kartli). Rare.

*I. pseudacorus* L.

moist places, river banks, lake coast; lower mountain belt

Transcaucasus: Georgia (Abkhazeti, Samegrelo, Imereti, Guria, Adjara). Vulnerable.

*I. reticulata* Bieb.

dry slopes, shrubwoods, forest margins; upper mountain belt

Transcaucasus: Georgia (Kartli, Mtiuleti, Javakheti). Vulnerable.

*I. winogradowii* Fomin

alpine meadows

Transcaucasus: Georgia (Abkhazia, Kartli). Endemic of Georgia.

*Sisyrinchium montanum* Greene

peatbog

Transcaucasus: Georgia (Adjara). Rare.

#### Fam. JUGLANDACEAE

*Juglans regia* L.

river bank, mountain slopes, oak-hornbeam forest; lower mountain and middle mountain belt  
1500-1700m.

Northern Caucasus (Dagestania); Transcaucasus: Georgia, Azerbaijan, Armenia. Endangered.

*Pterocarya pterocarpa* (Michx.) Kunth.

moist forests, river banks, lower mountain belt

Transcaucasus: Georgia (Abkhazia, Samegrelo, Imereti, Guria, Adjara, Kakheti). Vulnerable.

#### Fam. JUNCEAE

*Scheuchzeria palustris* L.

bog; upper mountain belt

Transcaucasus: Georgia (Svaneti). Rare.

#### Fam. LABIATEAE

*Amaracus rotundifolius* (Boiss.) Briq.

dry, rocks, open places, oak-forest

Transcaucasus: Georgia (Adjara). Rare.

*Betonica abchasica* (Bornm.) Chinthib.

limestones; subalpine and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*B. ossetica* (Bornm.) Chinth.

rock streams; subalpine and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*Eremostachys iberica* Vis.

dry slopes; lower mountain and middle mountain belts

Transcaucasus: Georgia (Kartli, Kiziki). Rare.

*Galeopsis nana* Otschiauri

screes; subalpine belt

Transcaucasus: Georgia (Tush-Pshav-Khevsureti). Endemic to Georgia.

***Marubium goktshaicum*** N. Pop.

dry slopes, from foothills up to subalpine belt

Transcaucasus: Georgia (Katli, Javakheti), Azerbaijan, Armenia. Endemic to the Caucasus.

***Nepeta biebersteniana*** (Trautv.) Pojark.

dry, stony slopes; lower and middle mountain belt 150-2000 m.

Northern Caucasus (Stavropol, Dagestania); Transcaucasus: Georgia (Tush-Pshav-Khevsureti).  
Endemic to the Caucasus.

***N. grandiflora*** Bieb.

meadows, slopes, schrubwoods; subalpine and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Rasha-Lechkhumi, Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti, Kakheti). Endemic to the Caucasus.

***N. iberica*** Pojark.

dry slopes; middle mountain belt

Transcaucasus: Georgia (Kartli, Meskheta). Endemic to Georgia.

***N. komarovii*** E. Busch

rocks; subalpine belt

Transcaucasus: Georgia (Shiga Kartli). Endemic to Georgia.

***N. troitzkyi*** Sosn.

dry slopes, stony places

Transcaucasus: Georgia (Gardabani), Azerbaijan. Endemic to the Caucasus.

***Salvia compar*** Trautv.

gypsum, pebble clay, slopes; middle mountain belt

Transcaucasus: Georgia (Kartli). Endemic to Georgia.

***S. garedji*** Troitzk.

gully, stones; middle mountain belt 600-800 m.

Transcaucasus: Georgia (Gare Kakheti), Azerbaijan. Endemic to the Caucasus.

***S. ringens*** Smith

calcareous rocks

Transcaucasus: Georgia (Abkhazia, Kvemo Kartli). Rare.

***Satureja bzybica*** Woronow

dry, calcareous rocks, rock fissures, screes, forest margins

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

***Scutellaria helenae*** Albov

calcareous rocks; subalpine belt

Transcaucasus: Georgia (Abkhazia, Samegrelo). Endemic to Georgia.

***S. karatchaica*** Charadze

rock stream, forest belt – 2000 m.

Northern Caucasus; Transcaucasus: Georgia (Svaneti). Endemic to the Caucasus.

***S. leptostegia*** Juz.

dry stony slopes, screes from middle mountain belt up to subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

***S. oreophila*** Grossh.

scree, meadows; subalpine and alpine belt  
Northern Caucasus (Dagestan); Transcaucasus: Georgia (Mtiuleti, Shiga Kartli), Azerbaijan.  
Endemic to the Caucasus.

*S. ossetica* Charadze  
rock stream, mountain slopes; subalpine and alpine belt  
Northern Caucasus (Osetia); Transcaucasus: Georgia (Svaneti, Shiga Kartli). Endemic to the Caucasus.

*S. pontica* C. Koch  
rocks, meadows of subalpine and alpine belt  
Transcaucasus: Georgia (Adjara). Rare.

*S. raddeana* Juz.  
rocks, scree; subalpine belt  
Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*S. sosnowskyi* Takht.  
dry, stony slopes; middle and upper mountain belt – 1800(2200) m.  
Transcaucasus: Georgia (Kartli, Trialeti), Armenia. Endemic to the Caucasus.

***Stachys macrophylla*** Albov  
stony slopes, dry meadows from lower to upper mountain belt  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Adjara). Endemic to the Caucasus.

***Teucrium nuchense*** C. Koch  
dry slopes, scree, scrubwoods 2350 m.  
Northern Caucasus; Transcaucasus: Georgia, Azerbaijan. Endemic to the Caucasus.

***Thymus caucasicus*** Willd. ex Ronn.  
rock streams, rock fissures, meadows; subalpine and alpine belt  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo, Imereti, Shiga Kartli).  
Endemic to the Caucasus.

*T. collinus* Bieb.  
stony places, rocks, shrubwoods, meadows; middle mountain belt – 2400 m.  
Northern Caucasus; Transcaucasus: Georgia (Kartli, Mtiuleti, Tush-Pshav-Khevsureti, Kakheti, Javakheti), Azerbaijan, Armenia. Endemic to the Caucasus.

*T. coriifolius* Ronn.  
dry stony slopes, shrubwoods; lower and middle mountain belt  
Transcaucasus: Georgia (Kartli, Gardabani, Meskheta), Azerbaijan. Endemic to the Caucasus.

*T. karjagii* Grossh.  
calcareous rocks, stony places 600-800 m.  
Transcaucasus: Georgia (Kiziki), Azerbaijan. Endemic to the Caucasus.

*T. ladjanuricus* Kem.–Nath.  
calcareous rocks, scree, lower mountain belt – 700 m.  
Transcaucasus: Georgia (Racha-Letchkhumi). Endemic to Georgia.

*T. tiflisiensis* Klok. & Shost.  
dry places; lower and middle mountain belt  
Transcaucasus: Georgia (Kartli, Kakheti, Kiziki, Gare Kekheti, Trialeti), Azerbaijan. Endemic to the Caucasus.

***Ziziphora borzhomica*** Juz.

*dry, stony places; middle mountain belt*

Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*Z. puschkinii* Adams

stony places, rock stream from subalpine belt up to subnival belt

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Mtiuleti, Tush-Pshav-khevsureti, Gare Kakheti), Azerbaijan. Endemic to the Caucasus.

*Z. woronowii* Maleev

*dry, stony places, calcareous slopes; subalpine belt*

Northern Caucasus: Georgia (Abkhazia). Endemic to the Caucasus.

#### Fam. LAURACEAE

*Laurus nobilis* L.

lower forest belt or foothills

Northern Caucasus; Transcaucasus: Georgia (Samegrelo, Imereti). Extinct.

#### Fam. LEGUMINOSAE

*Anthyllis grossheimii* Chinth.

rocks, stony places, limestones; alpine meadows

Transcaucasus: Georgia (Abkhazia, Samegrelo). Rare.

*A. irenae* Juz.

dry meadows; upper and middle mountain belt

Northern Caucasus; Transcaucasus: Georgia (Racha-Lechkhumi, Shiga Kartli, Kartli), Armenia. Endemic to the Caucasus.

*A. lachnophora* Juz.

dry meadows, rock streams; lower and middle mountain belt

Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Endemic to the Caucasus.

*Astragalus adzharicus* M. Pop.

dry stony places; lower mountain belt

Transcaucasus: Georgia (Adjara). Rare.

*A. argillosus* Manden.

gypsum, clay, slopes

Transcaucasus: Georgia (Meskheta). Endemic to Georgia.

*A. aspindzicus* Manden. & Chinth.

dry slopes of middle mountain belt

Transcaucasus: Georgia (Meskheta). Endemic to Georgia.

*A. atenicus* Ivanishvili

dry stony slopes; middle mountain belt

Transcaucasus: Georgia (Kakheti). Endemic to Georgia.

*A. aureus* Willd.

stony slopes 1450-1700 m.

Transcaucasus: Georgia (Kartli, Trialeti). Rare.

*A. bachmarensis* Grossh.

subalpine meadows

Transcaucasus: Georgia (Samegrelo, Gruia, Adjara). Rare.

*A. brachytropis* (Stev.) C.A.Mey.

*moranis*, meadows 2000-3000 m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazeti, Svaneti, Racha-Lechkhumi, Shiga Kartli, Mtiuleti), Azerbaijan, Armenia. Endemic to the Caucasus.

*A. bungeanus* Boiss.

meadows; middle and lower mountain belt

Northern Caucasus; Transcaucasus: Georgia (Shiga Kartli, Kartli, Kiziki, Gare Kakheti, Gardabani), Armenia. Endemic to the Caucasus.

*A. captiosus* Boriss.

stony slopes; upper and subalpine belts

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*A. campylosema* Boiss.

dry stony slopes of middle mountain belt

Transcaucasus: Georgia (Javakheti, Meskheti). Rare.

*A. caucasicus* Pall.

dry stony places; middle mountain belt

Transcaucasus: Georgia (Kartli, Kiziki). Rare.

*A. chordorrhizus* Fish. ex Bunge

rocks, screes 2000-3100m. alpine belt

Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Shiga Kartli, Mtiuleti). Endemic to Georgia.

*A. cyri* Fomin

dry, stony and clay places; middle mountain belt.

Transcaucasus: Georgia (Kartli, Meskheti). Endemic to the Caucasus.

*A. denudatus* Stev.

stony places 1800 m.

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*A. doluchanovii* Manden.

rocks; alpine belt 2280 m.

Transcaucasus: Georgia (Adjara). Endemic to Georgia.

*A. freynii* Albov

meadows of upper mountain and subalpine belts, 1900-2500 m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*A. goktschaicus* Grossh.

meadows, screes, river bank, lake coast; middle and upper mountain belt

Transcaucasus: Georgia (Javakheti, Meskheti). Endemic to Georgia.

*A. hirsutus* Ledeb.

dry slopes, rocks, middle mountain belt

Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*A. kadschorensis* Bunge

clay slopes 1000-1500 m.

Transcaucasus: Georgia (Kartli, Kakheti, Trialeti, Kvemo Kartli). Endemic to Georgia.

*A. kazbekii* Char.

rocks, stony slopes; subalpine and alpine belt



Northern Caucasus; Transcaucasus: Georgia (Svaneti, Racha-Lechkumi, Samegrelo, Mtiuleti, Tush-Pshav-khevsureti), Azerbaijan. Endemic to the Caucasus.

*A. kemulariae* Grossh.

rocks, stony slopes; middle mountain belt, rarely upper mountain belt

Transcaucasus: Georgia (Abkhazeti, Racha-Lechkumi, Samegrelo, Imereti, Kartli, Meskheta).

Endemic to Georgia.

*A. ketzkhoveli* Charadze

rock stream; subalpine belt 1700-2200 m.

Northern Caucasus (Dagestan); Transcaucasus: Georgia (Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*A. kozlovskyi* Grossh.

dry stony places; middle mountain belt

Transcaucasus: Georgia (Javakheti). Endemic to Georgia.

*A. lagurus* Willd.

dry stony slopes; middle mountain and alpine belt.

Transcaucasus: Georgia (Javakheti). Rare.

*A. leonidae* Manden.

dry stony slopes; middle mountain belt

Transcaucasus: Georgia (Meskheta). Endemic to Georgia.

*A. levieri* Freyn ex Somm. & Levier

stony slopes 1300-3000 m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo). Endemic to the Caucasus.

*A. magnificus* Kolak.

calcareous rock; lower and middle mountain belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*A. massalskyi* Grossh. ex Fed.

dry slopes of middle mountain belt

Transcaucasus: Georgia (Meskheta), Armenia. Endemic to the Caucasus.

*A. raddeanus* Regel

rocks; middle and upper mountain belt

Transcaucasus: Georgia (Kartli, Trialeti). Endemic to Georgia.

*A. schischkinii* Grossh.

from middle to subalpine belt

Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*A. sommieri* Freyn

dry, stony slopes; middle mountain belt

Transcaucasus: Georgia (Adjara). Rare.

*A. spaerocephalus* Stev.

dry slopes, foothills

Transcaucasus: Georgia (Kartli, Kiziki, Gare Kakheti), Azerbaijan. Endemic to the Caucasus.

*A. supinus* Bunge

scree, alpine and subalpine belt 3200 m.

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Racha-Lechkumi, Samegrelo, Mtiuleti). Endemic to the Caucasus.

*A. takhtadzhjanii* Grossh.

dry, stony slopes of middle mountain belt

Transcaucasus: Georgia (Meskheta), Azerbaijan, Armenia. Rare.

*A. tanae* Sosn.

dry stony slopes; middle mountain belt

Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*A. trichocalyx* Trautv.

dry, grassy slopes; middle mountain belt

Transcaucasus: Georgia (Meskheta). Rare.

*A. vardziae* Charadze & Chinth.

rocks, screes, from middle mountain up to subalpine belt

Transcaucasus: Georgia (Javakheti). Endemic to Georgia.

*A. vavilovii* Tamamsch. & Fed.

screes, stony slopes; alpine and subalpine belt

Transcaucasus: Georgia (Javakheti), Armenia. Endemic to the Caucasus.

*Caragana grandiflora* (Bieb.) DC.

dry stony slopes, shrubwoods; lower mountain belt

Northern Caucasus; Transcaucasus: Georgia (Kartli, Kiziki, Gardabani, Meskheta). Rare.

*Cicer arietinum* L.

arable land, ruderal places

Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*C. caucasicum* Bornm.

screes; middle mountain belt

Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*Colutea cilicica* Boiss. & Bal.

moist places, river bank, lake coast, forest margins; forest belt

Transcaucasus: Georgia (Abkhazia, Samegrelo, Imereti, Adjara). Rare.

*C. orientalis* Mill.

forest, forest margins, shrubwoods; forest and subalpine belt

Transcaucasus: Georgia (Racha-Lechumi, Imereti, Shiga Kartli, Kartli, Mtiuleti, Kakheti). Rare.

*Cytisus caucasicus* Grossh.

rocks; middle mountain belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazeti, Imereti, Kartli, Mtiuleti, Gare Kakheti, Trialeti, Meskheta). Endemic to the Caucasus.

*Eversmania subspinosa* (Fsch. ex DC.) B. Fedtsch.

dry slopes; lower mountain belt

Transcaucasus: Georgia (kiziki), Azerbaijan. Rare.

*Galega orientalis* Lam.

forest, forest margins, shrubwoods; forest and subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Racha-Lechkhumi, Imereti, Shiga Kartli, Kartli, Mtiuleti, Kakheti, Gare Kakheti, Trialeti, Kvemo Kartli), Azerbaijan, Armenia. Endemic to the Caucasus.

*Genista abchasica* Sachok.

rocks, calcareous slopes, pine forest; lower and middle mountain belt, 700-1000 m.

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*G. adzharica* M. Pop.

rock fissures – 700 m, lower mountain belt

Transcaucasus: Georgia (Adjara). Endemic to Georgia.

*G. flagellaris* Somm. & Levier

dry slopes; lower mountain belt

Transcaucasus: Georgia (Kartli, Trialeti). Rare.

*G. humifusa* L.

stony slopes; alpine belt

Transcaucasus: Georgia (Abkhazeti). Rare.

*G. kolakowskyi* Sachok.

forest, screes; lower mountain belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*G. mingrelica* Albov

alpine meadows

Transcaucasus: Georgia (Abkhazia, Samegrelo, Shiga Kartli). Endemic to Georgia.

*G. patula* Bieb.

broad-leaved forest, semideserts; from lower mountain belt up to middle mountain belt

Northern Caucasus; Transcaucasus: Georgia (Imereti, Shiga Kartli, Kartli, Kakheti, Gare Kakheti, Gardabani, Kvemo Kartli), Azerbaijan, Armenia. Endemic to the Caucasus.

*G. sachokiana* A. Kuthath.

calcareous rock of upper mountain belt

Transcaucasus: Georgia (Racha-Lechkhumi, Imereti). Endemic to Georgia.

*G. suanica* Schischk.

rocks, stony slopes 1000-3000m. from middle mountain belt up to subalpine belt

Transcaucasus: Georgia (Abkhazeti, Svaneti). Endemic to Georgia.

*G. transcaucasica* Schischk.

forests, dry stony places, shrubwoods

Transcaucasus: Georgia (Shiga Kartli, Kartli, Kakheti, Gare Kakheti, Kvemo Kartli), Azerbaijan, Armenia. Endemic to the Caucasus.

***Glycyrrhiza glabra*** L.

lowland and foothills

Transcaucasus: Georgia (Kartli, Kakheti, Kiziki, Gare Kakheti, Gardabani). Vulnerable.

***Halimodendron halodendron*** (Pall.) Voss.

dry places – middle mountain belt

Transcaucasus: Georgia (Gare Kakheti, Gardabani). Rare.

***Medicago glutinosa*** Bieb.

rocks, stony slopes, limestones; upper mountain and subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Racha-Lechkhumi, Shiga Kartli, Mtiuleti, Tush-Pshav Khevsureti), Azerbaijan. Endemic to the Caucasus.

*M. virescens* Grossh.

meadows of middle mountain and alpine belt

Northern Caucasus (Dagestania); Transcaucasus: Georgia (Tush-Pshav-Khevsureti). Endemic to the Caucasus.

***Melissitus brachycarpus*** (Fisch.) Latsch.

dry, grassy slopes, shrubwoods, ruderal places 400-1500 m.

Transcaucasus: Georgia (Kartli, Meskheta). Vulnerable.

***Onobrychis angustifolia*** Chinth.

dry, stony places, shrubwoods; lower mountain belt

Transcaucasus: Georgia (Kartli). Vulnerable.

*O. biebersteinii* Sirj.

dry stony places, rocks, meadows; upper mountain belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Samegrelo, Shida Kartli, Mtiuleti), Azerbaijan. Endemic to the Caucasus.

*O. cornuta* (L.) Desv.

dry, stony slopes; middle mountain and subalpine belt

Transcaucasus: Georgia (Trialeti, Javakheti). Rare.

*O. grossheimii* Kolak. ex Fed.

calcareous rocks; subalpine and alpine belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*O. iberica* Grossh.

forest margins, fields; middle mountain belt

Transcaucasus: Georgia (Kartli, Gare Kakheti). Endemic to Georgia.

*O. kachetica* Boiss. & Buhse

dry, grassy slopes, open places; foothills

Transcaucasus: Georgia (Kartli, Kakheti, Kiziki, Gare Kakheti, Gardabani). Rare.

*O. kemulariae* Chinth.

dry stony places; subalpine belt

Transcaucasus: Georgia (Adjara, Kartli). Rare.

*O. komarovii* Grossh.

stony places, clay, pebble

Transcaucasus: Georgia (Kartli, Kakheti, Kiziki, Gare Kakheti, Gardabani). Endemic to Georgia.

*O. meschetica* Grossh.

stony places, pebble; lower mountain and middle mountain belt

Transcaucasus: Georgia (Adjara, Kartli, Meskheta). Endemic to Georgia.

*O. oxydonta* Boiss. & Huet.

stony, dry places; subalpine and alpine belts, 2400-3000 m.

Transcaucasus: Georgia (Adjara, Shida Kartli, Kartli, Javakheti). Vulnerable.

*O. petraea* (Bieb. ex Willd.) Fisch.

stony slopes, screes, shrubwoods of forest belt and middle mountain belt

Northern Caucasus; Transcaucasus: Georgia (Racha-Lechkhumi, Shida Kartli, Mtiuleti), Azerbaijan. Endemic to the Caucasus.

*O. radiata* (Desf.) Bieb.

dry stony slopes, lower and middle mountain belt

Transcaucasus: Georgia (Kartli, Kiziki, Trialeti), Azerbaijan, Armenia. Endemic to the Caucasus.

***Orobis ciliatidentatus*** (Czefr.) Avasneli

subalpine meadows 2000-2500 m.

Transcaucasus: Georgia (Svaneti, Kartli, Trialeti), Azerbaijan, Armenia. Endemic to the Caucasus.

***Oxytropis dasypoda*** Rupr. ex Boiss.

dry meadows, stony places; middle and upper mountain belt

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Mtiuleti). Endemic to the Caucasus.

*O. lazica* Boiss.

stony places, alpine meadows

Transcaucasus: Georgia (Adjara). Rare.

*O. owerinii* Bunge

mountain slopes, 2000 m.

Northern Caucasus (Dagestania, Osetia); Transcaucasus: Georgia (Guria, Mtiuleti). Endemic to the Caucasus.

***Trifolium fontanum*** Bobr.

meadows, streams 1500-2500 m.

Northern Caucasus; Transcaucasus: Georgia (Shiga Kartli, Mtiuleti). Endemic to the Caucasus.

*Trigonella calliceras* Fisch.

shrubwoods, stony and sandy places; lower and middle mountain belt

Transcaucasus: Georgia (Kartli)..Vulnerable.

*T. gladiata* Stev. ex Bieb.

dry places, stony slopes, foothills

Transcaucasus: Georgia (Kiziki). Vulnerable.

***Vavilovia formosa*** (Stev.) Fed.

rock stream; alpine and subnival belts

Transcaucasus: Georgia (Tush-Pshav-Khevsureti). Rare.

***Vicia abbreviata*** Fisch. & Spreng.

forest, forest margins 1000-2500 m.

Transcaucasus: Georgia (Abkhazia, Svaneti, Shiga Kartli). Endemic to Georgia.

*V. akhmaginica* Kazar.

dry, stony slopes, middle and upper mountain belt

Northern Caucasus; Transcaucasus: Georgia (Meskheta), Armenia. Endemic to the Caucasus.

*V. antiqua* Grossh.

moist places, river bank

Transcaucasus: Georgia (Abkhazia, Imereti, Adjara, Kartli, Gare Kakheti), Azerbaijan. Endemic to the Caucasus.

*V. caucasica* Ekvim.

meadows, morains, screes, 1700-3300 m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*V. ciliata* Lipsky

moist places, forests, forest margins, river banks – 1500m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Kartli, Kakheti, Kizki, Gare Kakheti, Gardabani, Trialeti), Azerbaijan, Armenia. Endemic to the Caucasus.

*V. faba* L.

cultivated plants

Transcaucasus: Georgia (Imereti, Kartli). Rare.

*V. grossheimii* Ekvim.

meadows, shrubwoods, arable lands 1600-2200 m.

Northern Caucasus; Transcaucasus: Georgia, Azerbaijan. Endemic to the Caucasus.

## Fam. LENTIBULARIACEAE

*Urticullaria minor* L.

bog, pond – lower mountain belt

Transcaucasus: Georgia (Abkhazia, Adjara, Kartli, Trialeti, Meskheta)

## Fam. LILIACEAE

*Erythronium caucasicum* Woronow

forest, forest margins 1000-1200m.

Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Imerti), Shore of the Black Sea. Endemic to the Caucasus.

*Fritillaria caucasica* Adams

shrubwoods – 1200m.

Transcaucasus: Georgia (Kartli, Mtiuleti), Azerbaijan, Armenia. Endemic to the Caucasus.

*F. collina* Adams

alpine meadows

Transcaucasus: Georgia (Abkhazeti, Kartli, Mtiuleti, Kvemo Kartli). Vulnerable.

*F. lagodechiana* Charkev.

moist places, subalpine meadows, open woodland, tall herbaceous

Northern Caucasus; Transcaucasus: Georgia (Kakheti). Endemic to the Caucasus.

*F. latifolia* Willd.

subalpine and alpine meadows

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Mtiuleti, Kartli, Meskheta), Azerbaijan, Armenia. Endemic to the Caucasus.

*F. orientalis* Adams

alpine meadows

Central Caucasus. Endemic to the Caucasus.

*Gagea charadze* Davlianidze

lake coast; upper forest belt

Transcaucasus: Georgia, Azerbaijan. Endemic to the Caucasus.

*G. helenae* Grossh.

shrubwoods, forest margins

Northern Caucasus; Transcaucasus: Georgia (Kartli), Azerbaijan. Endemic to the Caucasus.

*Lilium caucasicum* (Misch. ex Grossh.) Grossh.

forest, forest margins; lower and middle mountain belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia), Shore of the Black Sea. Endemic to the Caucasus.

*L. georgicum* Manden.

forests, subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*L. kesselringianum* Misch.

forest margins, tall herbaceous, subalpine meadows; upper mountain and subalpine belt

Transcaucasus: Georgia (Abkhazia, Guria). Vulnerable.

*L. monadelphum* Bieb.

forest margins; upper mountain and subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Kakheti), Azerbaijan. Endemic to the Caucasus.

*L. ponticum* C. Koch

forest margins, meadows; upper mountain and subalpine belt

Transcaucasus: Georgia (Adjara). Rare.

*L. szovitsianum* Fisch. & Ave-Lall.

forest margins, shrubwoods, subalpine tall herbaceous, subalpine meadows; middle and subalpine belts

Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Imereti, Guria, Shiga Kartli, Trialeti, Javakheti). Vulnerable.

*Tulipa biebersteiniana* Schult. & Schult. fil.

rocks, shrubwoods 1000-1200 m.

Transcaucasus: Georgia (Kartli). Rare.

*T. eichleri* Regel

dry slopes, shrubwoods; lower mountain belt

Transcaucasus: Georgia (Kartli), Azerbaijan. Endemic to the Caucasus.

#### Fam. LIMONIACEAE

*Acantholimon fomini* Kusn.

steppes

Transcaucasus: Georgia (Kiziki, Gare Kakheti), Azerbaijan. Endemic to the Caucasus.

#### Fam. MALVACEAE

*Alcea abchasica* Iljin

dry, open places, forest margins

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*A. sosnovskyi* Iljin

steppes, vineyards

Transcaucasus: Georgia (Gare Kkaheti, Kiziki), Armenia. Endemic to the Caucasus.

*A. transcaucasica* (Iljin) Iljin

shrubs, forest margins, dry slopes

Transcaucasus: Georgia (Imereti, Adjara, Meskheta). Endemic to Georgia.

*Althaea officinalis* L.

shrubs, river bank, saline soil

Transcaucasus: Georgia (Abkhazia, Kartli, Gardabani). Rare.

*Hibiscus ponticus* Rupr.

swamps near sea level

Transcaucasus: Georgia (Abkhazia, Samegrelo, Adjara). Endemic to Georgia.

#### Fam. MARSILEACEAE

*Marsilea quadrifolia* L.

pond; lowland

Transcaucasus: Georgia (Adjara). Rare.

#### Fam. MENYANTHACEAE

*Menyanthes trifoliata* L.

peatbog, swampy, peat moss bog – 2300m.

Transcaucasus: Georgia (Abkhazia, Shiga Kartli, Trialeti, Javakheti, Meskheta). Rare.

**Fam. MORACEAE**

*Ficus carica* L.

rocks; lower mountain belt

Transcaucasus: Georgia. Endangered.

**Fam. NITRARIACEAE**

*Nitraria schoberi* L.

shaley, sandy soil; lower and middle mountain belt

Transcaucasus: Georgia (Kartli, Kiziki, Meskheta). Rare.

**Fam. NYMPHAEACEAE**

*Nuphar lutea* L.

ponds, lakes, bogs

Transcaucasus: Georgia (Abkhazia, Samegrelo, Adjara). Endangered.

*Nymphaea colchica* (Woronow ex Grossh.) Kem. – Nath.

bogs, lakes; lower and middle mountain belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Samegrelo). Endemic to the Caucasus.

**Fam. OLEACEAE**

*Fraxinus coriariifolia* Scheele

forests; lower and middle mountain belt

Transcaucasus: Georgia (Kakheti, Kiziki). Rare.

*F. excelsior* L.

mixed and broad-leaved forest – middle mountain belt

Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Samegrelo, Imereti, Guria, Adjara, Shiga Kartli, Kartli, Mtiuleti, Kakheti, Kiziki, Gare Kakheti, Gardabani, Trialeti, Kvemo Kartli, Meskheta). Vulnerable.

*F. oxycarpa* Willd.

dry places from lower mountain belt up to middle mountain belt

Transcaucasus: Georgia (Kartli, Trialeti, Kvemo Kartli, Meskheta) Rare.

*Jasminum officinale* L.

forest margins and shrubwoods

Transcaucasus: Georgia (Abkhazia, Imereti). Rare.

*Olea europaea* L.

dry, stony, calcareous rocks

Transcaucasus: Georgia (Abkhazia). Endangered.

*Osmanthus decorus* (Boiss & Bal.) Kasapliligil

forests of lower mountain belt

Transcaucasus: Georgia (Abkhazia, Adjara). Rare.

**Fam. ORCHIDACEAE**

*Anacamptis pyramidalis* (L.) Rich.

meadows, shrubwoods middle mountain belt

Transcaucasus: Georgia (Abkhazia, Samegrelo, Imereti, Guria, Kartli, Trialeti). Vulnerable.



***Cephalanthera damasonium*** (Mill.) Druce

forest, shrubwoods, middle mountain belt

Transcaucasus: Georgia (Imereti, Kartli, Trialeti). Vulnerable.

***C. longifolia*** (L.) Fritsch

moist forests, shrubwoods – middle mountain belt

Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Imereti, Guria, Kartli, Kakheti, Trialeti).

Vulnerable.

***C. rubra*** (L.) Rich.

forest margins, forests, shrubwoods middle mountain belt

Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Imereti, Kartli, Kakheti, Kvemo Kartli).

Vulnerable.

***Coeloglossum viride*** (L.) C.Hartm.

subalpine and alpine meadows

Transcaucasus: Georgia (Abkhazia, Samegrelo, Imereti, Adjara, Shiga Kartli, Kartli, Mtiuleti).

Vulnerable.

***Corallorrhiza trifida*** Chatel.

forests; middle and upper mountain belt

Transcaucasus: Georgia (Kartli, Mtiuleti, Trialeti, Meskheta). Vulnerable.

***Dactylorhiza euxina*** (Nevski) Czer.

wet meadows; subalpine and alpine belt

Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Guria, Adjara, Shiga Kartli, Kartli, Mtiuleti, Kvemo Kartli, Javakheti). Vulnerable.

***D. flavescens*** (C.Koch) Holub

forests, field, shrubwoods; middle mountain belt

Transcaucasus: Georgia (Racha-Lechkhumi, Adjara, Kartli, Kakheti, Trialeti). Vulnerable.

***D. iberica*** (Bieb. ex Willd.) Soo

wet meadows; from middle mountain belt up to upper mountain belt

Transcaucasus: Georgia (Shiga Kartli, Kartli). Vulnerable.

***D. incarnata*** (L.) Soo

mountain wet meadows

Transcaucasus: Georgia (Guria, Adjara, Kartli, Meshkheti). Vulnerable.

***D. salina*** (Turcz. ex Lindl.) Soo

wet meadows of mountain belt

Transcaucasus: Georgia. Vulnerable.

***D. urvelleana*** (Steud) H.Baumann

subalpine meadows

Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Samegrelo, Imereti, Adjara, Shiga Kartli, Kartli, Mtiuleti, Trialeti, Javakheti). Vulnerable.

***Epipactis helleborine*** (L.) Crantz.

forest margins, light forest, shrubwoods – middle mountain belt

Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Shiga Kartli, Kartli, Kakheti, Trialeti). Vulnerable.

***E. palustrisi*** (L.) Crantz.

bog, moist places

Transcaucasus: Georgia (Abkhazia, Adjara, Shiga Kartli). Vulnerable.

***Epipogium aphyllum* Sw.**

forests, pine forest

Transcaucasus: Georgia (Abkhazia, Kartli). Vulnerable.

***Goodyera repens* (L.) R.Br.**

coniferous forests from middle mountain belt up to upper mountain belt

Transcaucasus: Georgia (Racha-Lechkhumi, Shiga Kartli, Kartli, Trialeti). Vulnerable.

***Gymnadenia conopsea* (L.) R. Br.**

meadows upper mountain belt and alpine belt

Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Shiga Kartli, Kartli, Mtiuleti, Kakheti, Trialeti). Vulnerable.

***Herminium monorchis* (L.) R. Br.**

meadows from upper mountain belt up to alpine belt

Transcaucasus: Georgia (Shiga Kartli, Mtiuleti). Vulnerable.

***Limodorum abortivum* (L.) Sw.**

forests, shrubwoods – lower mountain belt

Transcaucasus: Georgia (Abkhazia, Imereti, Kartli, Kakheti). Vulnerable.

***Listera cordata* (L.) R.Br.**

broad-leaved forest and coniferous forest; middle and upper mountain belt

Transcaucasus: Georgia (Imereti, Guria, Shiga Kartli, Kartli, Mtiuleti). Vulnerable.

***L. ovata* (L.) R. Br.**

mixed forests, wet meadows, shrubwoods – lower mountain belt

Transcaucasus: Georgia (Shiga Kartli, Kartli, Kakheti, Meskheta). Vulnerable.

***Ophrys apifera* Huds.**

forests; lower mountain belt

Transcaucasus: Georgia (Abkhazia). Vulnerable.

***O. caucasica* Woronow ex Grossh.**

forest margins, shrubwoods, open slopes

Transcaucasus: Georgia. Vulnerable.

***O. oestifera* Bieb.**

forests, shrubwoods – middle mountain belt

Transcaucasus: Georgia (Abkhazia, Shiga Kartli, Kartli). Vulnerable.

***Orchis coriophora* L.**

meadows, shrubwoods – middle mountain belt

Transcaucasus: Georgia (Abkhazia, Imereti, Adjara, Shiga Kartli, Trialeti, Kvemo Kartli). Vulnerable.

***O. mascula* (L.) L.**

forest margins, shrubwoods; middle mountain belt

Transcaucasus: Georgia (Abkhazia, Imereti, Racha-Lechkhumi, Guria, Shiga Kartli, Kartli, Trialeti). Vulnerable.

***O. pallens* L.**

forests; middle mountain belt

Transcaucasus: Georgia (Racha-Lechkhumi, Imereti, Kartli). Vulnerable.

***O. palustris* Jacq.**

swampy; middle mountain belt

Transcaucasus: Georgia (Abkhazia, Samegrelo, Imereti, Guria, Adjara). Vulnerable.

*O. purpurea* Huds.

forests; middle mountain belt

Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Imereti, Kartli, Gare Kakheti). Vulnerable.

*O. simia* L.

forests; shrubwoods; lower mountain belt

Transcaucasus: Georgia (Abkhazia). Vulnerable.

*O. spitzelii* Saut. ex Koch

forest margins, shrubwoods

Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo, Kartli). Vulnerable.

*O. stevenii* Reichenb. fil.

forest, moist places, middle mountain belt

Transcaucasus: Georgia (Shiga Kartli, Kartli, Gare Kakheti, Trialeti). Vulnerable.

*O. tridentata* Scop.

meadows – middle mountain belt

Transcaucasus: Georgia (Abkhazia, Kartli). Vulnerable.

*O. ustulata* L.

forest margins, shrubwoods

Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Imereti, Shiga Kartli, Kartli, Gare Kakheti). Vulnerable.

***Platanthera bifolia*** (L.) Rich.

forests of lower mountain belt

Transcaucasus: Georgia (Mtiuleti). Vulnerable.

*P. chlorantha* (Cust.) Reichenb.

forests from lower up to middle mountain belt

Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Samegrelo, Imereti, Shiga Kartli, Kartli, Mtiuleti, Kakheti, Trialeti). Vulnerable.

***Serapias vomeracea*** (Spreng.) Schlechter

meadows; middle mountain belt

Transcaucasus: Georgia (Abkhazia, Imereti). Vulnerable.

***Spiranthes spiralis*** (L.) R. Br.

forest margins – middle mountain belt

Transcaucasus: Georgia (Abkhazia, Samegrelo, Imereti, Guria, Adjara, Shiga Kartli). Vulnerable.

***Steveniella satyrioides*** (Spreng.) Schlechter

forests, steppes – upper mountain belt

Transcaucasus: Georgia (Kartli, Meskheti). Vulnerable.

***Traunsteinera globosa*** (L.) Reichenb.

subalpine and alpine meadows

Transcaucasus: Georgia (Abkhazia, Kartli). Vulnerable.

*T. sphaerica* (Bieb.) Schlechter

meadows from upper mountain belt up to alpine

Transcaucasus: Georgia. Vulnerable.

#### Fam. OROBANCHACEAE

***Orobanche gamosepala*** Reut.

subalpine meadows, stony slopes; upper mountain belt

Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Javakheti, Meskheti), Azerbaijan).  
Endemic to the Caucasus.

*O. grossheimii* Novopokr.

forest, subalpine meadows, stony slopes from middle mountain belt up to alpine belt  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Adjara, Kartli, Shiga Kartli). Endemic to the Caucasus.

*O. inulae* Novopokr & Abramov

subalpine meadows, shrubwoods, stony slopes from middle mountain belt up to subalpine belt  
Northern Caucasus (Dagestania); Transcaucasus: Georgia (Adjara, Shiga Kartli). Endemic to the Caucasus.

#### Fam. OSMUNDACEAE

*Osmunda regalis* L.

moist places, swampy by the seashore, rarely river gorges – foothills  
Transcaucasus: Georgia (Abkhazia, Samegrelo, Guria, Adjara). Endangered.

#### Fam. PAEONIACEAE

*Paeonia cartalinica* Ketzch.

thorn bush, fields, foothills  
Transcaucasus: Georgia (Kartli, Kiziki). Endangered.

*P. caucasica* (Schipcz.) Schipcz.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Samegrelo, Imereti, Adjara, Kartli, Shiga Kartli, Trialeti, Kakheti), Azerbaijan. Endemic to the Caucasus.

*P. lagodechiana* Kem.-Nath.

forest margins, beech forests of middle mountain belt – 1900m.  
Northern Caucasus (Dagestania); Transcaucasus: Georgia (Kakheti). Endemic to the Caucasus.

*P. macrophylla* (Albov) Lomak.

elfin woodlands, field, on limestones; upper mountain belt  
Transcaucasus: Georgia (Abkhazia, Samegrelo, Racha-Lechkhumi, Imereti, Guria, Adjara).  
Endemic to Georgia.

*P. majko* Ketzch.

oak-hornbeam forests, forest margins  
Transcaucasus: Georgia (Kartli). Extinct.

*P. mlokosewitschii* Lomak.

stony slopes from middle mountain belt up to upper mountain belt  
Transcaucasus: Georgia (Kakheti, Kiziki). Endemic to Georgia.

*P. ruprechtiana* Kem.–Nath.

forests, gully of middle mountain belt  
Transcaucasus: Georgia (Imereti, Kartli). Endemic to Georgia.

*P. steveniana* Kem.–Nath.

forest margins, shrubwoods of upper forest belt  
Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*P. tenuifolia* L.

fields, shrubwoods  
Transcaucasus: Georgia (Kartli, Kiziki). Vulnerable.

*P. wittmannian* Hartwiss ex Lindl.  
forests (beechforest), forest margins, shrubwoods; middle mountain belt  
Transcaucasus: Georgia (Abkhazi). Endemic to Georgia.

#### Fam. PAPAVERACEAE

*Glaucium flavum* Crantz  
Transcaucasus: Georgia (Abkhazia, Adjara, Kartli). Rare.

*Papaver oreophyllum* Rupr.  
dry stony, grassy slopes of subalpine and alpine belts, 1700-3000m.  
Northern Caucasus; Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Shiga Kartli, Mtiuleti).  
Endemic to the Caucasus.

*P. orientale* L.  
shrubwoods, meadows; upper mountain and subalpine belt  
Transcaucasus: Georgia (Kartli, Kakheti, Gare Kakheti, Trialeti, Kvemo Kartli, Javakheti). Rare.

*P. pseudo-orientale* (Fedde) Medw.  
meadows 1600-2200m.  
Transcaucasus: Georgia (Kartli, Javakheti, Meskhети). Rare.

#### Fam. PEGANACEAE

*Peganum harmala* L.  
dry, ruderal, saline places  
Transcaucasus: Georgia (Kartli, Kiziki, Gardabani, Meskhети). Rare.

#### Fam. PINACEAE

*Pinus eldarica* Medw.  
dry, rocky, stony places 450-600 m.  
Transcaucasus: Georgia (Kiziki). Endangered.

*P. pityusa* Stev.  
calcareous rocks, sandy places near seashore  
Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

#### Fam. PLUMBAGINACEAE

*Acantholimon fominii* Kusn.  
steppes  
Transcaucasus: Georgia (Kiziki, Gare Kakheti). Rare.

*A. glumaceum* (Jaub. & Spach) Boiss.  
stony slopes upper mountain and subalpine belt  
Transcaucasus: Georgia (Javakheti). Rare.

*A. lepturoides* (Jaub. & Spach) Boiss.  
dry slopes; middle mountain belt  
Transcaucasus: Georgia (Kartli). Rare.

*Psylliostachys spicata* (Willd.) Nevski  
dry places  
Transcaucasus: Georgia (Kiziki). Rare.

## Fam. POLYGALACEAE

*Polygala albowii* Kem.-Nath.

calcareous rock, shrubwoods, meadows

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*P. caucasica* Rupr.

subalpine meadows

Northern Caucasus (Dagestania); Transcaucasus: Georgia (Abkhazia, Svaneti, Imereti, Adjara, Kartli, Tush-Pshav-Khevsureti), Azerbaijan. Endemic to the Caucasus.

*P. makashwillii* Kem.-Nath.

calcareous slopes, shrubwoods, forest margins

Transcaucasus: Georgia (Abkhazia, Samegrelo, Imereti). Endemic to Georgia.

*P. mariamae* Tamamsch.

shrubby woods, meadows; middle mountain belt

Transcaucasus: Georgia (Kartli, Trialeti, Javakheti). Endemic to Georgia.

*P. sosnowsky* Kem.-Nath.

stony slopes, foothills

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

## Fam. POLYGONACEAE

*Atraphaxis caucasica* (Hoffm.) Pavl.

rocks, dry places

Transcaucasus: Georgia (Kartli, Trialeti, Meskheti). Rare.

*Oxyria elatior* R.Br. ex Meissn.

moraines, rock streams; alpine and subalpine belt

Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti, Kakheti). Rare.

*Polygonum dshawachischwili* Charkev.

subalpine meadows

Northern Caucasus; Transcaucasus: Georgia (Shiga kartli, Mtiuleti, Tush-Pshav-Khevsureti, Trialeti, Javakheti), Azerbaijan, Armenia. Endemic to the Caucasus.

*P. panjutinii* Charkev.

subalpine meadows, stony places, megaphorbia; upper mountain and subalpine belts

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Shiga Kartli, Mtiuleti, Kakheti, Trialeti), Azerbaijan, Armenia. Endemic to the Caucasus.

*P. tiflisiense* Kom.

dry places

Transcaucasus: Georgia (Meskheti), Azerbaijan, Armenia. Endemic to the Caucasus.

## Fam. PRIMULACEAE

*Androsace raddeana* Somm. & Levier

pine forest, stony places; alpine belt

Northern Caucasus; Transcaucasus: Georgia (Javakheti), Azerbaijan, Armenia. Endemic to the Caucasus.

*Cyclamen abchasicum* (Medw. ex Kusn.) Kolak

forest, shrubby woods mainly lower and middle mountain belt

Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi). Endemic to Georgia.

*C. adzharicum* Pobed.

forest, shrubwoods, slopes of lower mountain belt  
Transcaucasus: Georgia (Adjara). Rare.

*C. colchicum* (Albov) Albov

rocks, stony places from lower mountain belt up to subalpine belt 300-2500 m.  
Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Samegrelo). Endemic to Georgia.

*C. coum* Mill.

broad-leaved forest, mainly oak-forest, from forest belt up to alpine belt  
Transcaucasus: Georgia (Abkhazia). Vulnerable.

*C. vernum* Sweet

open slopes, beech-hornbeam forest; lower and middle mountain belt  
Transcaucasus: Georgia, Azerbaijan, Armenia

***Primula abchasica*** Sosn.

deciduous forest  
Transcaucasus: Georgia (Abkhazia), Shore of the Black Sea. Endemic to the Caucasus.

*P. amoena* Bieb.

meadows, pebble; subalpine belt  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Mtiuleti, Tush-Pshav-Khevsureti), Armenia. Endemic to the Caucasus.

*P. bayernii* Rupr.

rocks, rock streams, moist places, by glacier; alpine belt  
Northern Caucasus; Transcaucasus: Georgia (Racha-Lechkhumi, Mtiuleti, Tush-Pshav-Khevsureti).  
Endemic to the Caucasus.

*P. cordifolia* Rupr.

alpine and subalpine meadows  
Northern Caucasus; Transcaucasus: Georgia (Kartli, Javakheti), Armenia. Endemic to the Caucasus.

*P. darialica* Rupr.

rocks; forest belt and subalpine belt  
Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti). endemic to the Caucasus.

*P. farnifolia* Rupr.

rock fissures; forest and subalpine belt  
Northern Caucasus; Transcaucasus: Georgia (Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*P. juliae* Kusn.

wet rocks; middle mountain belt  
Northern Caucasus (Dagestania); Transcaucasus: Georgia (Kakheti), Azerbaijan. Endemic to the Caucasus.

*P. komarovii* Losinsk

broad-leaved forest of lower mountain belt  
Transcaucasus: Georgia (Abkhazia). Rare.

*P. luteola* Rupr.

wet meadows, swampy; alpine belt  
Northern Caucasus; Transcaucasus: Georgia (Svaneti, Tush-Pshav-Khevsureti, Kakheti). endemic to the Caucasus.

*P. meyeri* Rupr.

meadows, morains, rocks, alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi). endemic to the Caucasus.

*P. pseudoelator* Kusn.

subalpine and alpine meadows

Northern Caucasus (Dagestania); Transcaucasus: Georgia (Svaneti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*P. ruprechtii* Kusn.

subalpine and alpine meadows

Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Endemic to the Caucasus.

*P. saguramica* Gavr.

deciduous forest slopes-800m.

Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*P. woronowii* Losinsk.

forest, gullies; from middle mountain belt up to subalpine belt

Northern Caucasus; Transcaucasus: Georgia, Azerbaijan. Endemic to the Caucasus.

*Sredinskya grandis* (Trautv.) Fed.

wet meadows, by river stream; subalpine and alpine belt

Northern Caucasus (Balkaria); Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi). Endemic to the Caucasus.

#### Fam. PUNIACACEAE

*Punica granatum* L.

dry places, river terrace

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Imereti, Guria, Kartli, Kakheti, Kiziki, Gardabani, Trialeti, Kvemo Kartli. Endangered.

#### Fam. RAFFLESACEAE

*Cytinus ruber* (Fourr.) Kom.

pine forest

Transcaucasus: Georgia (Abkhazia). Rare.

#### Fam. RANUNCULACEAE

*Aconitum cymbulatum* (Schmalh.) Lipsky

morais, meadows; subalpine and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*A. nasutum* Fisch. ex Reichenb.

meadows, forest margins, mountain and alpine belts.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Samegrelo, Guria, Shiga Kartli, Kartli, Tush-Pshav-Khevsureti, Javakheti), Azerbaijan, Armenia. Endemic to the Caucasus.

*A. pubiceps* (Rupr.) Trautv.

upper mountain and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*A. tusheticum* (N.Busch) N. Busch

meadows, shrubwoods, slopes; upper forest belt and subalpine belt



Northern Caucasus (Dagestania); Transcaucasus: Georgia (Tush-Pshav-khevsureti). endemic to the Caucasus.

***Anemone caucasica*** Willd. ex Rupr.

forest, forest margins, shrubwoods, meadows

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Samegrelo, Adjara, Kartli., Trialeti, Kakheti). Endemic to the Caucasus.

*A. fasciculata* L.

subalpine and alpine meadows

Transcaucasus: Georgia. Vulnerable.

*A. ranunculoides* L.

wet, broad-leaved forest from middle mountain belt up to upper mountain belt

Transcaucasus: Georgia (Abkhazia, Kartli, Kakheti). Vulnerable.

*A. speciosa* Adams ex G. Pritz.

rocks, stony places; alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

***Aquilegia caucasica*** Bieb.

meadows and forest margins; subalpine and alpine belt

Northern Caucasus; Transcaucasus: Georgia. Endemic to the Caucasus.

*A. colchica* Kem.-Nath.

calcareous rock of middle mountain belt

Transcaucasus: Georgia (Imereti). Endemic to the Caucasus.

*A. gegica* Jabr.-Kolak.

steep calcareous rocks of middle mountain belt

Transcaucasus: Georgia (Abkhazia). Endemic to the Georgia.

***Delphinium bracteosum*** Somm. & Levier

meadows or forest margins; upper mountain or subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Samegrelo, Shiga Kartli, Mtiuleti). endemic to the Caucasus.

*D. causicum* C.A. Mey.

morans neabry glacies; alpine belt

Northern Caucasus (Dagestania); Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Mtiuleti), Azerbaijan. Endemic to the Caucasus.

*D. charadzeae* Kem.-Nath.

stony slopes, meadows of middle and upper mountain belt

Northern Caucasus (Osetia); Transcaucasus: Georgia (Mtiuleti). Endemic to the Caucasus.

*D. dasycarpum* Stev. ex DC.

meadows, upper mountain, subalpine and alpine belts

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti). Endemic to the Caucasus.

*D. elisabethae* N. Busch

meadows of upper mountain belt and subalpine belt

Transcaucasus: Georgia (Shiga Kartli). Endemic to Georgia.

*D. fedorovii* Dimitrova

meadows, forest margins; upper mountain and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Kakheti), Azerbaijan. Endemic to the Caucasus.

*D. flexuosum* Bieb.

meadows, megaphorbias of upper mountain belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumu, Samegrelo, Mtiuleti), Azerbaijan, Armenia. Endemic to the Caucasus.

*D. ironorum* N. Busch

meadows, forest margins at 2000-2850 m. subalpine and alpine belt.

Transcaucasus: Georgia (Racha-Lechkhumi). Endemic to Georgia.

*D. ochroleucum* Stev. ex DC.

dry, open slopes, arable lands; middle mountain belt

Transcaucasus: Georgia (Kartli), Azerbaijan, Armenia. Endemic to the Caucasus.

*D. osseticum* N. Busch

meadows, forest margins; upper mountain and subalpine belt

Transcaucasus: Georgia (Racha-Lechkhumi, Shiga Kartli). Endemic to Georgia.

*D. pyramidatum* Albov

meadows, megaphorbias; subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*D. thamarae* Kem.– Nath.

forest margins, slopes of upper forest belt

Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*Ficaria ledebouri* Grossh. & Schischk.

forest margins, shrubwoods – middle mountain belt

Transcaucasus: Georgia (Kartli), Azerbaijan, Armenia. Endemic to the Caucasus.

*F. varia* Otschiauri

terrace, alder forest – 1300m.

Transcaucasus: Georgia (Tush-Pshav-Khevsureti). Endemic to Georgia.

*Helleborus abchasicus* A. Br.

forest, forest margins, limestones; piedmonts and middle mountain belt

Transcaucasus: Georgia (Abkhazia, Samegrelo, Imereti). Endemic to Georgia.

*H. caucasicus* A. Br.

forest margins, slopes of river gorges; from piedmonts up to upper mountain belt

Transcaucasus: Georgia (Abkhazia, Samegrelo, Racha-Lechkhumi, Imereti, Adjara, Kartli, Shiga Kartli, Kakheti, Meskhети), Azerbaijan, Armenia. Endemic to the Caucasus.

*Pulsatilla aurea* (Somm. & Levier) Juz.

meadows, rhododendron shrublet; subalpine and alpine belt

Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo, Guria, Adjara). Endemic to Georgia.

*P. georgica* Rupr.

scree; middle mountain belt

Transcaucasus: Georgia (Kakheti). Endemic to Georgia.

*P. violacea* Rupr.

stony slopes; subalpine and alpine meadows

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Samegrelo, Racha-Lechkhumi, Mtiuleti, Tush-Pshav-Khevsureti). endemic to the Caucasus.

*Ranunculus abchasicus* Freyn

rock fissures, open slopes; subalpine and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi). Endemic to the Caucasus.

*R. arachnoides* C.A. Mey.

scree, rock stream; alpine belt

Northern Caucasus; Transcaucasus: Georgia (Racha-Lechkhumi). Endemic to the Caucasus.

*R. baidarae* Rupr.

meadows, by streams; upper mountain and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Racha-Lechkhumi, Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*R. buschii* Ovcz.

subalpine and alpine meadows

Transcaucasus: Georgia, Azerbaijan, Armenia. Endemic to the Caucasus.

*R. crassifolius* (Rupr.) Grossh.

subalpine and alpine meadows

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti, Shiga Kartli). Endemic to the Caucasus.

*R. dzavakheticus* Ovcz.

rock stream, meadows; alpine belt

Transcaucasus: Georgia (Kartli), Azerbaijan, Armenia. Endemic to the Caucasus.

*R. grossheimi* Kolak.

hornbeam, pine forest of middle mountain up to alpine belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*R. helenae* Albov

meadows, stony places, by snow patch; alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Samegrelo). Endemic to the Caucasus.

*R. lojkae* Somm. & Levier

stony places, rock stream; alpine and subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Shiga Kartli, Mtiuleti). Endemic to the Caucasus.

*R. migaricus* Kem.-Nath & Chinth.

calcareous rock; alpine belt

Transcaucasus: Georgia (Samegrelo). Endemic to Georgia.

*R. raddeanus* Regel

subalpine meadows

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Samegrelo). Endemic to the Caucasus.

*R. subtilis* Trautv.

meadows, by streams; subalpine and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*R. svaneticus* Rupr.

wet meadows, slopes; alpine and subnival belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Guria, Adjara). Endemic to the Caucasus.

*R. tebulossicus* Prima

scree, alpine belt up to 3600m.

Northern Caucasus; Transcaucasus: Georgia (Tush-Pshav-Khevsureti). Endemic to the Caucasus.

***Thalictrum buschianum* Kem.-Nath.**

forest, shrubwoods, forest margins, meadows from middle mountain belt up to subalpine belt  
Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Endemic to the Caucasus.

***T. triternatum* Rupr.**

rocks, alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Samegrelo, Imereti, Kakheti). Endemic to the Caucasus.

**Fam. RESEDACEAE*****Reseda globulosa* Fisch. & Mey.**

dry, stony slopes, limestones, pebble – middle mountain belt

Transcaucasus: Georgia (Kartli, Kiziki, Gardabani), Azerbaijan, Armenia. Endemic to the Caucasus.

**Fam. RHAMNACEAE*****Rhamnus cordata* Medw.**

limestones, rock fissures

Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Imereti). Endemic to Georgia.

***R. imeretina* Booth**

forest margins, broad-leaved and coniferous forest, middle mountain and subalpine belt – 2000m

Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Guria, Adjara, Shiga Kartli, Meskheti). Vulnerable.

***R. microcarpa* Boiss.**

dry, calcareous rocks, rock fissures 1000-2300 m.

Transcaucasus: Georgia (Abkhazeti, Svaneti, Racha-Lechkhumi, Kartli, Trialeti, Javakheti, Meskheti). Rare.

**Fam. ROSACEAE*****Alchemilla abchasica* Bus.**

alpine belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

***A. adelodictya* Juz.**

rocks at alpine zone

Transcaucasus: Georgia (Kartli). Endemic to Georgia.

***A. alexandri* Juz.**

alpine meadows

Transcaucasus: Georgia (Javakheti). Endemic to Georgia.

***A. aurata* Juz.**

rocks, stony places, screes

Transcaucasus: Georgia (Mtiuleti, Kartli). Endemic to Georgia.

***A. bakurianica* Sosn.**

meadows

Transcaucasus: Georgia (Kartli). endemic to Georgia.

***A. capillacea* Juz.**

forest, field

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*A. cartalinica* Juz.

meadows, forests; subalpine belt  
Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*A. chlorosericea* (Bus.) Juz.

rocks; alpine and subnival forest  
Northern Caucasus (Dagestania); Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti, Kakheti). Endemic to the Caucasus.

*A. debilis* Juz.

morains, rocks of alpine belt  
Northern Caucasus; Transcaucasus: Georgia (Mtiuleti). Endemic to the Caucasus.

*A. depexa* Juz.

mountain meadows  
Northern Caucasus; Transcaucasus: Georgia (Kartli). Endemic to the Caucasus.

*A. divaricans* Bus.

alpine meadows  
Northern Caucasus; Transcaucasus: Georgia (Tush-Pshav-Khevsureti). endemic to the Caucasus.

*A. diversipes* Juz.

alpine meadows  
Transcaucasus: Georgia (Abkhazia), Azerbaijan, Armenia. Endemic to the Caucasus.

*A. elisabethae* Juz.

meadows, morains; alpine belt 2200-2400 m.  
Northern Caucasus; Transcaucasus: Georgia (Mtiuleti). Endemic to the Caucasus.

*A. erectilis* Juz.

alpine meadows  
Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*A. georgica* Juz.

meadows at 1750-2900 m.  
Transcaucasus: Georgia (Javakheti). Endemic to Georgia.

*A. grandidens* Juz.

rocks, stony places; alpine belt  
Transcaucasus: Georgia (Kakheti). Endemic to Georgia.

*A. holotricha* Juz.

along stream, in meadows  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*A. hypochlora* Juz.

alpine meadows  
Transcaucasus: Georgia (Racha-Lechkhumi, Kartli). Endemic to Georgia.

*A. hypotricha* Juz.

alpine belt  
Transcaucasus: Georgia (Kartli). endemic to Georgia.

*A. impolita* Juz.

subalpine meadows  
Transcaucasus: Georgia (Kartli, Tush-Pshav-Khevsureti). endemic to Georgia.

*A. indurata* Juz.

rocks; alpine belt  
Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*A. insignis* Juz.  
mountain meadows  
Transcaucasus: Georgia (Javakheti). Endemic to Georgia.

*A. kozlowskii* Juz.  
meadows  
Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*A. laeta* Juz.  
along streams, among tall herbaceous; subalpine and alpine belts  
Northern Caucasus; Transcaucasus: Georgia (Shiga Kartli, Mtiuleti). Endemic to the Caucasus.

*A. languida* Bus  
alpine meadows  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*A. microdictya* Juz.  
rocks of alpine belt  
Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*A. microdonta* Juz.  
meadows, fields  
Northern Caucasus; Transcaucasus: Georgia (Svaneti, Mtiuleti), Azerbaijan. Endemic to the Caucasus.

*A. obtegens* Juz.  
meadows, mountain belt  
Transcaucasus: Georgia (Guria). Endemic to Georgia.

*A. pascualis* Juz.  
meadows, rocky places at subalpine belt  
Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*A. pseudomollis* Juz.  
shrubwoods, river bank, meadows; subalpine belt  
Northern Caucasus; Transcaucasus: Georgia (Adjara). Endemic to the Caucasus.

*A. pycnotricha* Juz.  
wet rocks, along streams, in meadows, among tall herbaceous plants.  
Northern Caucasus; Transcaucasus: Georgia (Kartli), Azerbaijan. Endemic to the Caucasus.

*A. speciosa* Bus.  
meadows  
Northern Caucasus; Transcaucasus: Georgia (Racha-Lechkhumi). Endemic to the Caucasus.

*A. stellulata* Juz.  
wet rocks, along streams, meadows, 1500-2600 m.  
Northern Caucasus; Transcaucasus: Georgia (Shiga Kartli). Endemic to the Caucasus.

*A. subcrenatiformis* Juz.  
meadows  
Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*A. suberectipila* Juz.  
meadows

Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*A. subsplendens* Bus.

rocks – 3500m.

Transcaucasus: Georgia (Abkhazia, Guria, Javakheti). Endemic to Georgia.

*A. tamarae* Juz.

meadows

Northern Caucasus (Osetia); Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*A. tephrosericea* (Bus.) Juz.

rock fissures, screes; subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Shiga Kartli, Mtiuleti). Endemic to the Caucasus.

*A. tredecimloba* Bus.

along streams at subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Shiga Kartli). Endemic to the Caucasus.

*A. undecimloba* Juz.

forests, megaphorbiae; subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*A. urceolata* Juz.

forest margins, meadows, subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*A. venosa* Juz.

meadows 1900-2400 m.

Transcaucasus: Georgia (Tush-Pshav-Khevsureti), Armenia. Endemic to the Caucasus.

*A. woronowii* Juz.

stony slopes, shrubwoods; subalpine belt

Transcaucasus: Georgia (Shiga Kartli). Endemic to Georgia.

***Amygdalus georgica*** Desf.

fields

Transcaucasus: Georgia (Kartli). Endemic to Georgia.

***Cerasus incana*** (Pall.) Spach

dry stony slopes, shrubwoods

Transcaucasus: Georgia (Kartli, Gare Kakheti, Trialeti). Rare.

***Cotoneaster melanocarpus*** Fisch. ex Blytt

stony places, shrubwoods, forest; middle mountain belt

Northern Caucasus; Transcaucasus: Georgia (Kiziki), Azerbaijan, Armenia. Rare

*C. saxatilis* Pojark.

stony places, shrubwoods

Transcaucasus: Georgia (Kartli), Azerbaijan, Armenia. Endemic to the Caucasus.

*C. soczavianus* Pojark

forest; middle mountain belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

***Crataegus caucasica*** C.Koch

rocks, stony slopes, shrubwoods

Transcaucasus: Georgia (Kartli, Trialeti, Meskheti), Azerbaijan, Armenia. Endemic to the Caucasus.

*C. orientalis* Pall. ex Bieb.  
open woodland, forest margins, dry stony slopes  
Transcaucasus: Georgia (Adjara, Kartli, Trialeti, Meskhети). Rare.

*C. pontica* C.Koch  
stony places, gardens  
Transcaucasus: Georgia (Kartli). Endangered.

*Cydonia oblonga* Mill.  
forest margins, slopes; lower mountain belt sometimes middle mountain belt – 1400m.  
Transcaucasus: Georgia (Adjara, Kartli, Kiziki, Kvemo Kartli). Rare.

*Dryas caucasica* Juz.  
dry stony slopes, rocks, moraines; subalpine and alpine belt  
Northern Caucasus; Transcaucasus: Georgia, Azerbaijan. Rare.

*Laurocerasus officinalis* Roem.  
forest – 2400m.  
Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Samegrelo, Adjara, Shiga Kartli, Gare Kakheti). Vulnerable.

*Potentilla agrimonioides* Bieb.  
rocks, meadows; subalpine belt  
Northern Caucasus; Transcaucasus: Georgia (Mtiuleti), Azerbaijan, Armenia. Endemic to the Caucasus.

*P. brachypetala* Fisch. & C.A.Mey. ex Lehm.  
rocks; subalpine belt  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo, Adjara, Meskhети), Armenia. Endemic to the Caucasus.

*P. camillae* Kolak.  
calcareous rock fissures; from lower mountain belt up to upper mountain belt 500-2500m.  
Transcaucasus: Georgia (Abkhazia, Samegrelo). Endemic to Georgia.

*P. caucasica* Juz.  
forest margins, shrubwoods, meadows; middle mountain up to subalpine belt  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Kartli, Shiga Kartli, Mtiuleti, Kakheti, Gare Kakheti, Javakheti, Meskhети). Endemic to the Caucasus.

*P. imerethica* Gagnidze & Sochadze  
calcareous rock – 700m.  
Transcaucasus: Georgia (Imereti). Endemic to Georgia.

*P. kemulariae* Kapell. & A. Kurthath.  
open places; middle mountain belt  
Transcaucasus: Georgia (Imereti). Endemic to Georgia.

*P. nordmanniana* Ledeb.  
meadows; alpine belt  
Transcaucasus: Georgia (Svaneti, Adjara, Kartli). Endemic to Georgia.

*P. sommieri* Siegf. & R.Keller  
meadows, upper forest belt  
Transcaucasus: Georgia (Svaneti). Endemic to Georgia.

*P. sosnowskyi* Kapeller  
dry slopes; middle mountain belt



Transcaucasus: Georgia (Meskheta). Endemic to Georgia.

*P. svanetica* Siegf. & Keller  
forests, river banks, 600-1200 m.  
Transcaucasus: Georgia (Svaneti). endemic to Georgia.

***Pyrus caucasica*** Fed.  
forests; lower and middle mountain belt  
Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Endemic to the Caucasus.

*P. demetri* Kuthatheladze  
open places; lower mountain belt  
Transcaucasus: Georgia (Gare Kakheti). Endemic to Georgia.

*P. eldarica* Grossh.  
open woodland  
Transcaucasus: Georgia (Kiziki), Azerbaijan. Endemic to the Caucasus.

*P. federovii* Kuthatheladze  
open places, shrubwoods; lower mountain belt  
Transcaucasus: Georgia (Kartli, Gare Kakheti). Endemic to Georgia.

*P. georgica* Kuthatheladze  
dry places, rarely forest margins, shrubwoods; lower mountain belt  
Transcaucasus: Georgia (Shiga Kartli, Kiziki, Gare Kakheti, Meskheta), Azerbaijan. Endemic to the Caucasus.

*P. ketzkhovellii* Kuthatheladze  
open places, shrubwoods; lower mountain belt  
Transcaucasus: Georgia (Gare Kakheti). Endemic to Georgia.

*P. sachokiana* Kuthatheladze  
dry places, lower mountain belt  
Transcaucasus: Georgia (Kiziki, Meskheta). Endemic to Georgia.

*P. takhtadzhianii* Fed.  
open places, forest margins; lower mountain belt  
Transcaucasus: Georgia (Gare Kakheti), Armenia. Endemic to the Caucasus.

***Rosa bushiana*** Chrshan.  
dry, stony slopes; alpine belt 2200-2500 m.  
Northern Caucasus; (Dagestan) Transcaucasus: Georgia (Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*R. didoensis* Boiss.  
open places, rocks; upper mountain and subalpine belts 1500-2000 m.  
Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*R. doluchanovii* Manden.  
alpine belt  
Transcaucasus: Georgia (Abkhazia, Svaneti). Endemic to Georgia.

*R. ermanica* Manden.  
stony places, shrubwoods, meadows; subalpine belt  
Transcaucasus: Georgia (Shiga Kartli, Mtiuleti). Endemic to Georgia.

*R. galushkoi* Demurova

dry, open places, shrubwoods; upper mountain and subalpine belt  
Northern Caucasus (Osetia); Transcaucasus: Georgia (Mtiuleti). Endemic to the Caucasus.

*R. hirtissima* Lonacz.

meadows, rock fissures, moranis; subalpine and alpine belt  
Transcaucasus: Georgia (Abkhazeti, Svaneti, Samegrelo, Shiga Kartli). Rare.

*R. irysthonica* Manden.

forest margins, meadows; upper mountain belt  
Transcaucasus: Georgia (Shiga Kartli, Tush-Pshav-Khevsureti). Endemic to Georgia.

*R. koslowskii* Chrshan.

open places, shrubwoods, forest margins; upper mountain belt  
Transcaucasus: Georgia (Kartli, Kvemo Kartli), Azerbaijan. Endemic to the Caucasus.

*R. marschalliana* Sosn.

meadows, shrubwoods; upper mountain and subalpine belt  
Transcaucasus: Georgia (Mtiuleti). Endemic to the Caucasus.

*R. oplisthes* Boiss.

forest margins; upper mountain and subalpine belt  
Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*R. ossethica* Manden.

forest margins; upper mountain belt  
Northern Caucasus (Dagestania); Transcaucasus: Georgia (Shiga Kartli, Tush-Pshav-Khevsureti).  
Endemic to the Caucasus.

*R. oxyoden* Boiss.

forest margins, shrubwoods from upper mountain belt up to subalpine belt  
Northern Caucasus; Transcaucasus: Georgia (Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti).  
Endemic to the Caucasus.

*R. prilipkoana* Sosn.

shrubs, 1000-1700 m.  
Transcaucasus: Georgia (Kartli), Azerbaijan. Endemic to the Caucasus.

*R. pulverulenta* Bieb.

open slopes; upper mountain and subalpine belt  
Transcaucasus: Georgia (Abkhazeti, Svaneti, Adjara, Shiga Kartli, Kartli, Mtiuleti, Tush-Pshav-Khevsureti, Kakheti, Trialeti). Rare.

*R. rapinii* Boiss. & Bal.

stony slopes; middle mountain belt.  
Transcaucasus: Georgia (Kartli, Meskheta). Rare.

*R. teberdensis* Chrshan

shrubs; middle and upper mountain belt  
Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Kartli, Kakheti). Endemic to the Caucasus.

*R. transcaucasica* Manden.

forest margins, shrubwoods; middle and upper mountain belt  
Transcaucasus: Georgia (Shiga Kartli, Kartli, Meskheta). Endemic to Georgia.

*R. tushetica* Boiss.

stony slopes; subalpine and alpine belt  
Transcaucasus: Georgia (Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti). Endemic to Georgia.

*R. woronowii* Lonacz.

forest margins, open woodland; upper mountain and subalpine belt

Transcaucasus: Georgia (Guria, Adjara, Trialeti, Kvemo Kartli, Javakheti, Meskheti). Vulnerable.

***Rubus abchaziensis*** (Sudre) Sudre

seashore

Transcaucasus: Georgia (Abkhazeti). Endemic to Georgia.

*R. adsharicus* Sanadze

deciduous forest

Transcaucasus: Georgia (Adjara). Endemic to Georgia.

*R. cartalinicus* Juz.

along streams, river bank; middle and upper mountain belt

Transcaucasus: Georgia (Kartli), Armenia. Endemic to the Caucasus.

*R. caucasigena* (Sudre) Juz.

seashore; lower mountain belt

Transcaucasus: Georgia (Abkhazeti, Adjara). Endemic to Georgia.

*R. cyri* Juz.

forest margins, slopes, river banks

Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*R. discernendus* Sudre

forest margins; foothills

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*R. dolichocarpus* Juz.

forest, forest margins

Transcaucasus: Georgia (Kartli, Kakheti), Azerbaijan. Endemic to the Caucasus.

*R. georgicus* Focke

forest margins, shrubwoods

Northern Caucasus; Transcaucasus: Georgia (Kakheti). Endemic to the Caucasus.

*R. ibericus* Juz.

along streams, river banks, shrubwoods

Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*R. juzepczukii* Sanadze

deciduous and mixed forests, forest margins

Transcaucasus: Georgia (Kakheti). Endemic to Georgia.

*R. kacheticus* Sanadze

deciduous forest, forest margins

Transcaucasus: Georgia (Kakheti). Endemic to Georgia.

*R. ketzkhovellii* Sanadze

deciduous forest

Transcaucasus: Georgia (Kakheti). Endemic to Georgia.

*R. kudagorensis* Sanadze

deciduous forest

Transcaucasus: Georgia (Kakheti). Endemic to Georgia.

*R. lepidulus* (Sudre) Juz.

forest, forest margins, shrubwoods

Transcaucasus: Georgia (Abkhazia, Adjara). Endemic to Georgia.

*R. leptostemon* Juz.

coniferous forest, middle mountain belt

Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*R. longipetiolatus* Sanadze

deciduous forest, forest margins

Transcaucasus: Georgia (Kakheti). Endemic to Georgia.

*R. miszczenkoi* Juz.

rocks, forests, forest margins, shrubwoods

Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*R. moschus* Juz.

forests, forest margins, along streams

Transcaucasus: Georgia (Imereti, Guria, Adjara, Kartli). Endemic to Georgia.

*R. nakeralicus* Sanadze

deciduous forest

Transcaucasus: Georgia (Racha-Lechkhumi). Endemic to Georgia.

*R. ochthodes* Juz.

river banks, slopes

Transcaucasus: Georgia (Kartli). Endemic to Georgia.

*R. ossiucus* Juz.

rocks, forest margins; middle mountain belt

Transcaucasus: Georgia (Shiga Kartli). Endemic to Georgia.

*R. piceetorum* Juz.

coniferous forest, rarely mixed and deciduous forest; lower and middle mountain belt

Transcaucasus: Georgia (Shiga Kartli, Kartli). Endemic to Georgia.

*R. ponticus* (Focke) Juz.

forest margins

Northern Caucasus; Transcaucasus: Georgia (West). Endemic to the Caucasus.

*R. woronowii* (Sudre) Sudre

forest margins; lower mountain belt

Transcaucasus: Georgia (Abkhazia, Adjara). Endemic to Georgia.

***Sorbus caucasica*** Zinserl.

calcareous rock 900-1600 m.

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Javakheti), Azerbaijan, Armenia. Endemic to the Caucasus.

*S. caucasigena* Kom. ex Gatsch.

forests; subalpine belt 1600-2400 m.

Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Endemic to the Caucasus.

*S. colchica* Zinserl.

forests

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Adjara). Endemic to the Caucasus.

*S. fedorovii* Zaikonn.

forests, 1600-2000m.

Northern Caucasus (Teberda); Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Mtiuleti, Shiga Kartli, Tush-Pshav-Khevsureti, Kakheti), Azerbaijan. Endemic to the Caucasus.

*S. migarica* Zinserl.

calcareous rocks, 1800-2000 m.

Transcaucasus: Georgia (Abkhazia, Samegrelo, Javakheti, Meskheti). Endemic to the Caucasus.

*S. subfusca* (Ledeb.) Boiss.

forests, rhododendron scrub, beechwoods 1700-2400 m.

Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Endemic to the Caucasus.

*S. turcica* Zinserl.

forests and rocks of lower and middle mountain belt

Transcaucasus: Georgia (Kartli, Trialeti). Rare.

*S. velutina* (Albov) Schneid.

stony slopes, limestones, forests

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo). Endemic to the Caucasus.

*Woronowia speciosa* (Albov) Juz.

meadows, screes, limestones; subalpine and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Samegrelo). Endemic to the Caucasus.

#### Fam. RUBIACEAE

*Asperula abchasica* V. Krecz.

calcareous rocks, rock fissures, screes; alpine belt

Transcaucasus: Georgia (Abkhazia, Samegrelo, Imereti). Endemic to Georgia.

*A. cristata* (Somm. & Levier) V. Krecz.

rocks, screes

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*A. kemulariae* Manden.

calcareous rocks; lower and middle mountain belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi). Endemic to the Caucasus.

*Galium anfractum* Somm. & Levier

alpine meadows

Transcaucasus: Georgia (Svaneti). Endemic to Georgia.

*G. praemontanum* T. Mardalejshvili

rock fissures; middle mountain belt 725-800 m.

Transcaucasus: Georgia (Kartli, Kiziki). Endemic to Georgia.

*G. valentioides* Bieb.

rock fissures, screes from middle mountain belt up to alpine belt

Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Endemic to the Caucasus.

*Rubia transcaucasica* Grossh.

dry slopes; lower and middle mountain belt

Transcaucasus: Georgia (Kiziki), Azerbaijan. Endemic to the Caucasus.

## Fam. RUSCACEAE

*Ruscus colchicus* P.F. Yeo

evergreen forests

Transcaucasus: Georgia (Shore of the Black Sea). Rare.

*R. ponticus* Woronow ex Grossh.

forests, shrubwoods, forest belt

Transcaucasus: Georgia (Abkhazia, Imereti, Kartli). Vulnerable.

## Fam. SALICACEAE

*Populus euphratica* Olivier

riverside; lower mountain belt, 700-800m.

Transcaucasus: Georgia (Kiziki). Rare.

*Salix apoda* Trautv.

birch forest; subalpine and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo, Shiga Kartli, Kartli, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*S. kazbekensis* A. Skvorts.

moranis, rocks, lake coast; subalpine and alpine belt 1700-3300m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Samegrelo, Imereti, Shiga Kartli, Kartli, Mtiuleti, Tush-Pshav-Khevsureti, Kakheti). Endemic to the Caucasus.

*S. kikodze* Goerz.

forest margins, moranis, bog; subalpine belt

Transcaucasus: Georgia (Guria). Endemic to Georgia.

*S. kuznetzowii* Laksh. ex Goerz

forest margins, birch forest; subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Kartli, Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*S. pantosericea* Goerz

moist places, moranis, rock stream; subalpine belt 2100-2500 m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti). Endemic to the Caucasus.

## Fam. SANTALACEAE

*Thesium laxiflorum* Trautv.

meadows, forest margins; lower mountain and upper mountain belt

Transcaucasus: Georgia (Abkhazia, Imereti, Kartli, Meskheta). Endemic to Georgia.

*T. szovitsii* DC.

clay-sandy slopes

Transcaucasus: Georgia (Kiziki). Rare.

## Fam. SAXIFRAGACEAE

*Chrysosplenium albovianum* Kutath.

moist places; subalpine belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*Saxifraga abchasica* Oetting

calcareous rocks; alpine belt

Transcaucasus: Georgia (Abkhazia, Svaneti). Endemic to Georgia.

*S. caucasica* Somm. & Levier

rock fissures; alpine belt 2800-3000 m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Samegrelo). Endemic to the Caucasus.

*S. colchica* Albov

rocks, subalpine and alpine belt

Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo). Endemic to the Caucasus.

*S. kusnezowiana* Oetting

rock; , alpine belt

Transcaucasus: Georgia (Racha-Lechkhumi). Endemic to Georgia.

*S. pontica* Albov

rocks; alpine belt

Trancaucasus: Georgia (Abkhazia, Samegrelo). Endemic to Georgia.

*S. pseudolaervis* Oetting

rock stream, pebble, stony places, 1700-2500m.

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Samegrelo, Mtiuleti, Tush-Pshav-Khevsureti), Azerbaijan. Endemic to the Caucasus.

*S. ruprechtiana* Manden.

rocks; alpine and subalpine belt

Northern Caucasus (Dagestania); Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*S. scleropoda* Somm. & Levier

rocks; alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Samegrelo). Endemic to the Caucasus.

*S. sosnowskyi* Manden.

rocks; alpine belt

Transcaucasus: Georgia (Kartli, Meskheta). Endemic to Georgia.

*S. subverticillata* Boiss.

wet rocks; alpine belt 200-2500m.

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*S. trautvetteri* Manden.

rocks; alpine belt

Transcaucasus: Georgia (Imereti, Kartli). Endemic to Georgia.

#### Fam. SCROPHULARIACEAE

*Digitalis ciliata* Trautv.

rocks, forest, forest margins (pine forests)

Northern Caucasus; Transcaucasus: Georgia (Abkhazeti, Svaneti, Samegrelo, Imereti)

*D. ferruginea* L.

forest, forest margins, shrubwoods from lower mountain belt up to subalpine belt

Transcaucasus: Georgia (Shiga Kartli, Kartli, Mtiuleti, Kakheti, Javakheti, Meskheta)

*D. schischkinii* Ivanina

forest margins, shrubwoods from lower mountain belt up to upper mountain belt  
Transcaucasus: Georgia (Abkhazeti, Svaneti, Racha-Lechkhumi, Samegrelo, Imereti, Guria, Adjara, Shida Kartli)

***Euphrasia adenocaulon*** Juz.

shrubby woods, slopes; subalpine belt  
Transcaucasus: Georgia (Svaneti, Shida Kartli). Endemic to Georgia.

***E. caucasica*** Juz.

meadows, from upper mountain belt up to subalpine belt  
Northern Caucasus; Transcaucasus: Georgia. Endemic to the Caucasus.

***E. grossheimii*** Kem.–Nath.

rock stream; alpine belt  
Transcaucasus: Georgia (Kakheti). Endemic to Georgia.

***E. kemulariae*** Juz.

rocks, meadows from upper mountain belt up to subalpine belt  
Transcaucasus: Georgia. Endemic to Georgia.

***E. sosnowskyi*** Kem. – Nath.

meadows; upper mountain belt  
Transcaucasus: Georgia (Kartli). Endemic to Georgia.

***E. svanica*** Kem. – Nath.

rock stream; subalpine belt  
Transcaucasus: Georgia (Svaneti). Endemic to Georgia.

***E. woronowii*** Juz.

on rocky places, along streams at alpine belt  
Transcaucasus: Georgia (Shida Kartli). Endemic to Georgia.

***Linaria schelkownikowii*** Schischk.

meadows, shrubby woods, forest margins; middle and upper mountain belt  
Northern Caucasus; Transcaucasus: Georgia (Javakheti, Mtiuleti), Azerbaijan, Armenia. Endemic to the Caucasus.

***L. schirvanica*** Fomin

dry slopes, clay, rarely arable lands – lower mountain belt  
Transcaucasus: Georgia (Gare Kakheti, Gardabani, Meskheti), Azerbaijan. Endemic to the Caucasus.

***Melampyrum alboffianum*** Beauverd

meadows, shrubby woods; alpine belt  
Transcaucasus: Georgia (Guria, Kartli). Endemic to Georgia.

***M. caucasicum*** Bunge

meadows, shrubby woods, oak-forest  
Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Samegrelo, Shida Kartli, Kartli, Kakheti, Meskheti), Azerbaijan. Endemic to the Caucasus.

***M. chlorostachyum*** Beauverd

open woodland, shrubby woods, pebbles, from lower mountain up to upper mountain belt  
Transcaucasus: Georgia (Kartli), Azerbaijan, Armenia. Endemic to the Caucasus.

***M. mulkijaniani*** T.N. Pop.

forests, shrubby woods; subalpine meadows – 2800 m.  
Northern Caucasus; Transcaucasus: Georgia (Kartli). Endemic to the Caucasus.



***Paederotella pontica*** (Rupr. ex Boiss.) Kem. – Nath.

rock fissures; subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazeti, Svaneti, Imereti, Guria, Meskhети).

Endemic to the Caucasus.

***Pedicularis elisabethe*** T.N. Pop.

subalpine meadows

Transcaucasus: Georgia (Shiga Kartli). Endemic to Georgia.

***P. panjutinii*** E. Busch

meadows at alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

***Rhamphicarpa medwedewii*** Albov

wet meadows, bog, swampy, pond from lower mountain up to upper mountain belt

Transcaucasus: Georgia (Abkhazeti, Svaneti, Racha-Lechkhumi, Samegrelo, Imereti, Guria, Adjara, Shiga Kartli)

***Scrophularia imerethica*** Kem. – Nath.

rocks; middle mountain belt

Transcaucasus: Georgia (Imereti). Endemic to Georgia.

***S. lateriflora*** Trautv.

wet rocks, forest margins – 2050m.

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Mtiuleti, Tush-Pshav-Khevsureti, Kakheti).

Endemic to the Caucasus.

***S. minima*** Bieb.

scree, morains; alpine belt rarely subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Racha-Lechkhumi, Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

***S. ruprechtii*** Boiss.

scree, morains; subalpine meadows; alpine belt

Northern Caucasus (Dagestania); Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Mtiuleti, Tush-Pshav-Khevsureti), Azerbaijan. Endemic to the Caucasus.

***S. sosnowskyi*** Kem. – Nath.

meadows; upper mountain belt

Transcaucasus: Georgia (Adjara). Rare.

***S. sprengerana*** Somm. & Levier

forests; middle mountain belt

Transcaucasus: Georgia (Abkhazia, Samegrelo, Guria). Endemic to Georgia.

***Veronica amoena*** Bieb.

dry slopes; lower mountain belt

Transcaucasus: Georgia (Kartli, Kakheti), Azerbaijan. Endemic to the Caucasus.

***V. caucasica*** Bieb.

rocks, stony slopes, from lower mountain belt up to subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

***V. charadzeae*** Kem. – Nath.

pine and birch forests, meadows; upper forest and subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Samegrelo, Kartli, Shiga Kartli, Mtiuleti), Armenia. Endemic to the Caucasus.

*V. colchica* Kimeridze

talus, rocky places at forest and subalpine belt  
Transcaucasus: Georgia (Svaneti). Endemic to Georgia.

*V. galathica* Boiss.

calcareous rock; middle mountain belt  
Transcaucasus: Georgia (Imereti), Armenia. Endemic to the Caucasus.

*V. imerethica* Kem.–Nath.

calcareous rocks from foothills up to upper forest belt  
Northern Caucasus (Dagestania); Transcaucasus: Georgia (Svaneti, Racha-Lechkhumi, Imereti, Adjara, Kartli, Trialeti), Azerbaijan. Endemic to the Caucasus.

*V. liwanensis* C.Koch

rocks, rock fissures; middle and upper mountain belt  
Transcaucasus: Georgia (Adjara, Kartli, Meskheta). Rare.

*V. nigricans* C. Koch

forest, shrubwoods at upper mountain belt  
Transcaucasus: Georgia (Racha-Lechkhumi, Smagrelo, Imereti, Guria, Adjara). Endemic to Georgia.

*V. petraea* (Bieb.) Stev.

rocks, rock stream; subalpine and alpine belt  
Northern Caucasus (Dagestania); Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti). endemic to the Caucasus.

*V. propinqua* Boriss.

meadows, rocks, sony slopes; alpine belt  
Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Tusheti), Azerbaijan. Endemic to the Caucasus.

*V. shistosa* E. Busch

shale; subalpine and alpine belt  
Northern Caucasus; Transcaucasus: Georgia (Svaneti, Shiga Kartli, Mtiuleti). Endemic to the Caucasus.

*V. tumadzhanovii* T. Mardalejshvili

clayey places at 2600-3100 m.  
Transcaucasus: Georgia (Shiga Kartli). Endemic to Georgia.

***Verbascum adzharicum*** Gritzenko

pine forest, subalpine meadows, moist places, 2000-2500 m.  
Transcaucasus: Georgia (Guria, Adjara). Endemic to Georgia.

*V. alpigenum* C. Koch

forest, forest margins, meadows, from upper mountain belt up to subalpine belt  
Northern Caucasus; Transcaucasus: Georgia (Imereti, Guria, Adjara, Kartli, Meskheta). Endemic to the Caucasus.

*V. formosum* Fisch. ex Schrank

dry places; middle mountain belt  
Northern Caucasus; Transcaucasus: Georgia (Kartli, Kiziki, Kakheti). Endemic to the Caucasus.

*V. paniculatum* Murb.

dry stony places; lower mountain belt  
Northern Caucasus; Transcaucasus: Georgia (Javakheti, Meskheta), Azerbaijan, Armenia. Endemic to the Caucasus.

*V. sessiliflorum* Murb.  
shrubwoods, sand by seashore  
Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*V. wilhelmsianum* C.Koch  
forest, forest margins, meadows; upper mountain and subalpine belts  
Northern Caucasus; Transcaucasus: Georgia (Svaneti, Samegrelo, Shiga Kartli, Tush-Pshav-Khevsureti, Kakheti). Endemic to the Caucasus.

#### Fam. SOLANACEAE

*Atropa caucasica* Kreyer  
forest margins; middle mountain belt  
Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Endemic to the Caucasus.

*Lycium ruthenicum* Murr.  
sandy, saline soil; semideserts and deserts  
Transcaucasus: Georgia (Kiziki). Rare.

*Solanum woronowii* Pojark  
roadside, gully – middle mountain belt  
Transcaucasus: Georgia (Abkhazia, Imereti, Adjara). Endemic to Georgia.

#### Fam. STAPHILEACEAE

*Staphylea colchica* Stev.  
oak forests, beech forest, mixed forest, gully; forest belt – 1200 m.  
Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi Samegrelo, Imereti, Guria, Adjara, Kartli). Vulnerable.

*S. pinnata* L.  
oak forest, mixed forest; forest belt – 1000m.  
Transcaucasus: Georgia (Abkhazia, Samegrelo, Imereti, Adjara, Shiga Kartli, Kartli, Kakheti). Vulnerable.

#### Fam. TAMARICACEAE

*Reaumuria kuznetzovii* Sosn. & Manden.  
clay, gypsum, saline slopes; middle mountain belt  
Transcaucasus: Georgia (Kartli, Meskheta). Endemic to Georgia.

#### Fam. TAXACEAE

*Taxus baccata* L.  
moist places, mainly beech forest, 1500-1800 m.  
Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo, Imereti, Guria, Adjara, Shiga Kartli, Kartli, Mtiuleti, Gare Kakheti, Kakheti, Meskheta). Endangered.

#### Fam. THYMELEACEAE

*Daphne axilliflora* (Keissl.) Pobed.  
forest, river bank; lower and middle mountain belt  
Transcaucasus: Georgia (Imereti, Kakheti, Gare Kakheti, Gardabani, Meskheta), Azerbaijan.  
Endemic to the Caucasus.

*D. pseudosericea* Pobed.

calcareous slopes; alpine rarely forest belt, 300-2400 m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Samegrelo). Endemic to the Caucasus.

*D. transcaucasica* Pobed.

dry, stony slopes; middle and upper mountain belt

Transcaucasus: Georgia (Kartli, Javakheti). Rare.

#### Fam. TILIACEAE

*Tilia begoniifolia* Stev.

forest, forest margins, gully – middle mountain belt

Transcaucasus: Georgia. Rare.

*T. cordata* Mill.

dry, open places, mountain forest, mainly upper mountain belt, 1200-2000 m.

Transcaucasus: Georgia (Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti). Rare.

#### Fam. TRAPACEAE

*Trapa colchica* Albov

ponds near seashore

Transcaucasus: Georgia (Abkhazia, Guria, Adjara). Endemic to Georgia.

*T. hyrcana* Woronow

lake, bogs

Transcaucasus: Georgia (Gardabani). Endangered.

*T. maleevi* V.Vassil

lake, bogs

Transcaucasus: Georgia (Abkhazia, Samegrelo). Endemic to Georgia.

#### Fam. ULMACEAE

*Ulmus elliptica* C. Koch

forests, mainly beech forest, gorges, gullies – 2000m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Imereti, Guria, Adjara, Shiga Kartli, Kartli, Mtiuleti, Trialeti). Rare.

*U. georgica* Schchian

light forests; lower mountain belt

Transcaucasus: Georgia (Kiziki). Endemic to Georgia.

*U. glabra* Huds.

forests, moist places, gully; middle mountain belt at 1500 m.

Transcaucasus: Georgia (Abkhazia, Samegrelo, Gruia, Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti, Kakheti, Trialeti, Kvemo Kartli). Rare.

*U. minor* Mill.

dry places, oak forest, forest margins at 800m.

Transcaucasus: Georgia (Abkhazia, Imereti, Kartli, Mtiuleti, Kakheti, Gare Kakheti, Kiziki, Gardabani, Trialeti, Kvemo Kartli, Meskheti). Endemic to Georgia.

*U. suberosa* Moench

dry, stony places, light forests 100–600 m.

Transcaucasus: Georgia (Abkhazeti, Racha-Lechkhumi, Imereti, Kartli, Kiziki, Gare Kakheti, Gardabani)

***Zelkova carpinifolia*** (Pall.) C.Koch

moist forests, riverside, gorges; lowland and lower mountain belt, rarely 1600-1700 m.  
Transcaucasus: Georgia (Samegrelo, Imereti, Guria, Kakheti). Endangered.

#### Fam. UMBELLIFERAE

***Agasyllis latifolia*** (Bieb.) Boiss.

subalpine meadows

Transcaucasus: Georgia (Abkhazia, Shiga Kartli, Kartli, Mtiuleti, Tush-Pshav-Khevsureti, Trialeti, Javakheti). Endemic to the Caucasus.

***Angelica adzharica*** M. Pimen.

meadows, tall herbaceous 900-1900 m.

Transcaucasus: Georgia (Adjara). Endemic to Georgia.

*A. tatianae* Bordz.

forest margins, tall herbaceous; upper mountain and subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Shiga Kartli, Kartli), Armenia. Endemic to the Caucasus.

***Anthriscus ruprechtii*** Boiss.

rock stream; subalpine and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Mtiuleti), Azerbaijan. Endemic to the Caucasus.

*A. shmalhausenii* (Albov) K.–Pol.

forests; subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazeti, Svaneti, Samegrelo, Imereti, Guria, Adjara, Shiga Kartli). Endemic to the Caucasus.

***Astrantia colchica*** Albov

calcareous meadows; alpine belt

Transcaucasus: Georgia (Abkhazia, Samegrelo, Imereti). Endemic to Georgia.

*A. pontica* Albov

limestones, rock stream 1000-2000 m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia), Shore of the Black Sea. Endemic to the Caucasus.

*A. trifida* Hoffm.

alpine and subalpine meadows

Northern Caucasus; Transcaucasus: Georgia (Kartli, Mtiuleti, Trialeti, Kvemo Kartli, Javakheti), Azerbaijan, Armenia. Endemic to the Caucasus.

***Buplerum abchasicum*** Manden.

calcareous rock, rock fissures; lower mountain belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*B. rischawii* Albov

calcareous slopes, 1500-2000 (2300)m.

Transcaucasus: Georgia (Abkhazia), Shore of the Black Sea. Endemic to the Caucasus.

*B. sosnowskyi* Manden.

shrubwoods; middle mountain belt

Transcaucasus: Georgia (Kartli, Meskheti), Armenia. Endemic to the Caucasus.

*B. wittmannii* Stev.

dry, open slopes; middle mountain belt

Transcaucasus: Georgia (Kartli, Kiziki, Gare Kakheti, Gardabani), Azerbaijan. Endemic to the Caucasus.

*Carum grossheimii* Schischk.

subalpine and alpine meadows

Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Samegrelo, Shiga Kartli). Endemic to Georgia.

*Chaerophyllum astrantiae* Boiss. & Bal.

alpine meadows, rocks, among *Rhododendron* species.

Transcaucasus: Georgia (Imereti, Adjara). Rare.

*C. borodinii* Albov

calcareous slopes; alpine belt 1900-25000m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*C. confusum* Woronow

subalpine meadows

Northern Caucasus; Transcaucasus: Georgia (Shiga Kartli, Meskheti). Endemic to the Caucasus.

*C. humile* Stev.

scree, morains; subalpine belt 3200 m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Shiga Kartli), Armenia, Azerbaijan. Endemic to the Caucasus.

*C. roseum* Bieb.

subalpine meadows

Northern Caucasus; Transcaucasus: Georgia, Azerbaijan, Armenia. Endemic to the Caucasus.

*C. rubellum* Albov

subalpine meadows

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti), Shore of the Black Sea. Endemic to the Caucasus.

*Chymsydia agasyloides* (Albov) Albov

calcareous rock, rock stream; subalpine belt

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*C. colchica* (Albov) Woronow

subalpine meadows

Transcaucasus: Georgia (Samegrelo). Endemic to Georgia.

*Cnidium grossheimii* Manden

meadows, forest margins; subalpine belt

Transcaucasus: Georgia (Imereti, Guria, Adjara, Kartli, Javakheti). endemic to Georgia.

*C. mandenovae* Gagnidze

rocks, porphyrite slopes

Transcaucasus: Georgia (Svaneti). Endemic to Georgia.

*C. pauciradiatum* Somm. & Levier

subalpine meadows 2300 m.

Transcaucasus: Georgia (Abkhazia, Shiga Kartli). Endemic to Georgia.

***Cryptotaenia flahaultii*** (Woronow) K.–Pol.

wet rocks, forest belt, 800m.

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

***Eletherospermum lazicum*** Boiss.

mixed forest, forest margins; upper mountain belt and subalpine belt

Transcaucasus: Georgia (Abkhazia, Shiga Kartli). Vulnerable.

***Eryngium maritimum*** L.

sandy beach

Transcaucasus: Georgia (Abkhazia, Samegrelo, Adjara). Vulnerable.

***Heracleum aconitifolium*** Woronow

forest margins, meadows, tall herbaceous; subalpine and upper forest belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti). Endemic to Georgia.

***H. asperum*** (Hoffm.) Bieb.

tall herbaceous, forest margins, meadows; upper forest and subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti, Kakheti), Azerbaijan. Endemic to the Caucasus.

***H. calcareum*** Albov

rock stream; alpine belt

Transcaucasus: Georgia (Abkhazia), Shore of the Black Sea. Endemic to the Caucasus.

***H. chorodanum*** (Hoffm.) DC.

meadows, shrubwoods, forest margins; middle mountain belt

Northern Caucasus; Transcaucasus: Georgia (Imereti, Mtiuleti, Trialeti, Meskheta), Azerbaijan, Armenia. Endemic to the Caucasus.

***H. egrissicum*** Gagnidze

calcareous rock, screes; subalpine and alpine belt

Transcaucasus: Georgia (Racha-Lechkhumi, Samegrelo). Endemic to Georgia.

***H. freynianum*** Somm. & Levier

screes, moraines, tall herbaceous; alpine and subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Samegrelo, Mtiuleti). Endemic to the Caucasus.

***H. grossheimii*** Manden.

forest margins, moist places, river banks; upper mountain and subalpine belt

Transcaucasus: Georgia (Imereti, Guria, Adjara). Endemic to Georgia.

***H. leskovii*** Grossh.

stony slopes, screes from middle mountain belt up to subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Samegrelo, Shiga Kartli, Mtiuleti). Endemic to the Caucasus.

***H. mandenovae*** Satzyperova

forest margins, subalpine meadows; upper mountain and subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Samegrelo, Imereti), Shore of the Black Sea. Endemic to the Caucasus.

***H. mantegazzianum*** Somm. & Levier

forest margins, river banks

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo), Shore of the Black Sea. Endemic to the Caucasus.

*H. osseticum* Manden.

rocks, rock stream

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Shiga Kartli, Mtiuleti). Endemic to Georgia.

*H. poinicum* (Lipsky) Schischk. ex Grossh.

forest margins, subalpine meadows, tall herbaceous; upper mountain and subalpine belt

Transcaucasus: Georgia (Abkhazia, Svaneti), Shore of the Black Sea. Endemic to the Caucasus.

*H. roseum* Stev.

subalpine meadows

Northern Caucasus; Transcaucasus: Georgia (Racha-Lechkhumi, Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti, Kakheti). Endemic to the Caucasus.

*H. scabrum* Albov

forests field; middle mountain belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to the Caucasus.

*H. sommieri* Manden.

subalpine meadows

Transcaucasus: Georgia (Svaneti). Endemic to Georgia.

*H. transcaucasicum* Manden.

subalpine meadows

Transcaucasus: Georgia (Guria, Adjara, Kartli, Trialeti, Javakheti), Armenia. Endemic to the Caucasus.

*H. sosnowskyi* Manden.

forest margins, meadows, tall herbaceous from middle mountain belt up to alpine belt

Northern Caucasus; Transcaucasus: Georgia (Adjara, Shiga Kartli, Kartli, Tush-Pshav-Khevsureti, Kakheti, Trialeti, Kvemo Kartli, Meskheta), Azerbaijan, Armenia. Endemic to the Caucasus.

*H. wilhelmsii* Fisch. & Ave-Lall

forest margins, meadows; upper mountain and subalpine belt

Transcaucasus: Georgia (Kartli, Meskheta). Endemic to Georgia.

***Laserpitium affine*** Ledeb.

meadows, elfin woodland; subalpine and alpine belt

Transcaucasus: Georgia (Guria, Imereti). Endemic to Georgia.

***Ligusticum arafae*** Albov

forest margins, megaphorbias; upper mountain belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*L. caucasicum* Somm. & Levier

subalpine and alpine meadows

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti). Endemic to the Caucasus.

*L. physospermifolium* Albov

forest margins, megaphorbias; upper mountain belt and subalpine belt

Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi). Endemic to the Caucasus.

***Mandenovia komarowii*** (Manden.) Alava

dry slopes; middle mountain belt

Northern Caucasus (Dagestan); Transcaucasus: Georgia (Tush-Pshav-Khevsureti). Endemic to the Caucasus.

***Oenanthe abchasica*** Schischk.

moist places, river bank, lake coast



Northern Caucasus; Transcaucasus: Georgia (Abkhazia), Shore of the Black Sea. Endemic to the Caucasus.

***Pastinaca aurantiaca*** (Albov) Kolak.

alpine meadows

Transcaucasus: Georgia (Abkhazeti), Shore of the Black Sea. Endemic to the Caucasus.

*Peucedanum adae* Woronow

rocks, forests; middle mountain belt, 1500m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Samegrelo, Racha-Lechkhumi, Imereti). Endemic to the Caucasus.

*P. pshavicum* Boiss.

subalpine meadows

Northern Caucasus; Transcaucasus: Georgia (Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

***Pimpinella aromatica*** Bieb.

dry meadows lower and middle mountain belt

Northern Caucasus (Dagestania); Transcaucasus: Georgia (Kartli, Kiziki, Trialeti, Meskheta), Azerbaijan. Endemic to the Caucasus.

*P. idea* Takht.

calcareous rock, rock fissures

Transcaucasus: Georgia (Abkhazia). Endemic to Georgia.

*P. schatilensis* Otschiauri

mountain slopes

Transcaucasus: Georgia (Tush-Pshav-Khevsureti). Endemic to Georgia.

***Polylophium panjutinii*** Manden.

rocks, screes; subalpine meadows

Transcaucasus: Georgia (Samegrelo, Racha-Lechkhumi, Imereti). Endemic to Georgia.

***Prangos acris-romanae*** Boiss. & Huet

dry, grassy slopes

Transcaucasus: Georgia (Meskheta). Rare.

***Scandix stellata*** Banks & Soland.

dry stony slopes

Transcaucasus: Georgia (Kartli). Rare.

***Seseli alpinum*** Bieb.

rocks, alpine meadows; upper mountain belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti), Azerbaijan, Armenia. Endemic to the Caucasus.

*S. grandivittatum* (Somm & Levier) Schischk.

dry, stony slopes; lower and middle mountain belt

Northern Caucasus; Transcaucasus: Georgia (Kartli, Mtiuleti, Kiziki, Gare Kakheti, Gardabani, Kvemo Kartli, Meskheta), Azerbaijan, Armenia. Endemic to the Caucasus.

*S. rupicola* Woronow

calcareous rock; near s.l. up to upper mountain belt

Transcaucasus: Georgia (Abkhazia), Shore of the Black Sea. Endemic to the Caucasus.

*S. saxicolum* (Albov) M.Pimen.

calcareous rock; subalpine belt

Transcaucasus: Georgia (Samegrelo). Endemic to Georgia.

*Symphyloma graveolens* C.A. Mey.

stony slopes, rock stream, 1700-3500 m.

Northern Caucasus; Transcaucasus: Georgia (Racha-Lechkhumi, Mtiuleti, Tush-Pshav-Khevsureti), Azerbaijan. Endemic to the Caucasus.

#### Fam. URTICACEAE

*Parietaria cryptorum* C.Koch

calcareous rock fissures, 700-100 m.

Transcaucasus: Georgia (Kartli, Meskheti), Armenia. Endemic to the Caucasus.

*P. kemulariae* Schchian

calcareous rock – middle mountain belt

Transcaucasus: Georgia (Racha-Lechkhumi, Imereti). Endemic to Georgia.

#### Fam. VALERIANACEAE

*Valeriana allariifolia* Adams

forest margin, meadows; subalpine belt

Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Samegrelo, Imereti, Guria, Adjara, Shiga Kartli, Javakheti, Meskheti). Vulnerable.

*V. cardamines* Bieb.

rock, rock stream, from forest belt up to alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Shiga Kartli, Mtiuleti), Azerbaijan. Endemic to the Caucasus.

*V. colchics* Utkin

meadows, forest margins, shrubwoods; upper mountain and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Samegrelo, Adjara, Shiga Kartli, Kartli). Endemic to the Caucasus.

*V. jelenevskyi* P. Smirn.

rocks; subalpine and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Imereti). Endemic to the Caucasus.

*V. kassarica* Charadze & Kapell.

calcareous rock, rock stream subalpine belt

Northern Caucasus; Transcaucasus: Georgia (Racha-Lechkhumi, Shiga Kartli, Mtiuleti). Endemic to the Caucasus.

*V. saxicola* C.A. Mey.

rock fissures; alpine rarely subalpine belt

Transcaucasus: Georgia (Abkhazia, Svaneti, Samegrelo, Adjara, Shiga Kartli, Mtiuleti). Endemic to the Caucasus.

*V. tilifolia* Troitzk.

forest margins; subalpine meadows

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Svaneti, Racha-Lechkhumi, Imereti, Guria, Adjara, Shiga Kartli, Kartli, Kakheti, Trialeti, Javakheti, Meskheti). Endemic to the Caucasus.

#### Fam. VIOLACEAE

*Viola caucasica* Kolenati

alpine and subalpine belt – 300m.

Northern Caucasus; Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Samegrelo, Mtiuleti, Tush-Pshav-Khevsureti). Endemic to the Caucasus.

*V. minuta* Bieb.

rock strems; alpine belt

Northern Caucasus; Transcaucasus: Georgia (Svaneti, Mtiuleti, Tush-Pshav-Khevsureti, Kakheti). Endemic to the Caucasus.

*V. orthoceras* Ledeb.

subalpine meadows

Transcaucasus: Georgia (Svaneti, Samegrelo, Guria, Adjara). Endemic to Georgia.

*V. somchetica* C. Koch

calcareous rock, stony slopes; subalpine and alpine belt

Northern Caucasus; Transcaucasus: Georgia (Shiga Kartli, Kartli, Mtiuleti, Tush-Pshav-Khevsureti), Azerbaijan, Armenia. Endemic to the Caucasus.

*V. vespertina* Klok.

forest margins, meadows; subalpine belt

Northern Caucasus; Transcaucasus: Georgia. Endemic to the Caucasus.

#### Fam. VITACEAE

*Vitis sylvestris* C. Gmel.

river gorges, forests 1500-1800m.

Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Samegrelo, Imereti, Guria, Kartli, Kakheti, Gare Kakheti, Kiziki, Kvemo Kartli, Javakheti, Meskheti). Endangered.

*V. vinifera* L.

forests

Transcaucasus: Georgia (Abkhazia, Racha-Lechkhumi, Samegrelo, Imereti, Guria, Adjara, Shiga Kartli, Kakheti, Gare Kakheti, Trialeti, Kvemo Kartli, Meskheti). Endangered

#### Fam. WOODSIACEAE

*Woodsia fragilis* (Trev.) Moore

limestones, wet rocks 800-2400 m.

Transcaucasus: Georgia (Abkhazia, Samegrelo, Adjara, Imereti, Shiga Kartli, Mtiuleti, Tush-Pshav-Khevsureti). Rare.