

TAXON

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**Systematics of the Arctioid group:
Disentangling *Arctium* and *Cousinia*
(Cardueae, Carduinae)**

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Taxon 60: pp–pp

Appendix 2. Species examined. Taxon, origin and voucher information.

Arctium abolinii (Kult. ex Tscherneva) S. López, Romashchenko, Susanna & N. Garcia, #1: Kyrgyzstan, Jalal-Abad Province Toktogul District, slopes of Kok-Bell mountains, *B.A. Sultanova & M. Shamova s.n.* (LE); #2: Kyrgyzstan, Osh Province, Ot-Oinock range, Kurp-Sai, *Aidarova & Sudnizina 1* (LE); #3: Kyrgyzstan, Right bank of the river Naryn, 15 km up the river from the mountain Tashkumyr, *V. Botschantzev 104* (LE); #4: Kyrgyzstan, SW Jalal Abad Oblast, Kara Saj Tal, Aksy Rayan, *Lazkov s.n.* (JE); *Arctium albertii* (Regel & Schmalh.) S. López, Romashchenko, Susanna & N. Garcia, #1: Kazakhstan, Karatau, *A. Regel 44* (LE); #2: Kazakhstan, Mashet-Tay mountain range, on ascent from Keltemashat, *Kamelin 8-M* (LE); #3: Kazakhstan, Shimkientskaya oblast, Mashat canyon, *Susanna 2206 & al.* (BC); #4: Kazakhstan, Syrdarinsky Karatau, Canyon Berkara, *Kamelin 700* (LE); #5: Kazakhstan, Syr Darja Province, Zhambyl Province, Aulie-ata district, Canyon Berk-Kara, Karatau mountain range, *Z.A. Minkwitz 290* (LE); #6: Kazakhstan, Syr Darja region, Zhambyl Province, Aulie-ata dist., Canyon Bell-Kara, near the spring, *Knorring 288* (LE); #7: Turkestan, Beklyar-Beck, *O. Fedtschenko 110* (LE); #8: Turkestan, Karatau mountains, *Majew s.n.* (LE); *Arctium amplissimum* (Boiss.) Kuntze, #1: Iran, Dena, 15 km from Meimand to Yassoudj, *Mehregan 174* (MJG); #2: Iran, Qazvin, Elburs mountains, Lur valley, Getschesär, *Bornmüller & A. Bornmüller* (JE); *Arctium anomalum* (Franch.) Kuntze, #1: Tajikistan, Gissar range, Bova-Schady area near to the mountains Chan-tachta, *A. Granitov & M. Kultiassov s.n.* (LE); #2: Tajikistan, North slopes of the Gissar range, River Kashka-Darja basin, middle part of the river Tankhas, Kara-Tepe mountains, *S.N. Kudryashov 674* (LE); #3: Tajikistan, Samarkand Province, Samarkand District, east slope of the Northern part of the Khazr Sultan range, between rivers Magian and Darai-Kalen, on the road from Kishlak Magian to Moslakhat-Tepe, *A.I. Mikhelson & B.A. Fedtschenko 2103* (LE); #4: Tajikistan, Samarkand Province, Samarkand District, South slopes of the Zeravshan Range, Akbi-Zerkak pass, *A.I. Mikhelson & B.A. Fedtschenko 2059* (LE); #5: Tajikistan, slopes above Voru, about 300 m above the kishlak, *Susanna 2521 & al.* (BC); #6: Tajikistan, West Pamir-Alai, Kashka-Darja basin, Turt-Moglyk river basin, Kishlar Kul' area, *N.F. Goncharov 365* (LE); #7: Tajikistan, West Zeravshan range, East slopes of the mountains to the west of Kishlak Pagna, *P.N. Ovczinnikov & A. Slobodov 650* (LE); #8: Tajikistan, West Zeravshan range, low part of the North slopes near kishlak Zauron, *P.N. Ovczinnikov & A. Slobodov 873* (LE); #9: Tajikistan, Zeravshan range, between Gusar and Kschut, *A. Regel s.n.* (LE); #10: Tajikistan, Zeravshan range, Kishlak Revat, *V.L. Komarov s.n.*; #11: Tajikistan, Zeravshan range, left bank of the river Valangdaroz, 2–3 km to the south of Kishlak, Magian, Canyon Dashti-Khodzha, *A.M. Makhmedov 500* (LE); #12: Tajikistan, Zeravshan range, Schut, Kaschka-daria, *V.L. Komarov s.n.* (LE); #13: Uzbekistan, Baysun mountains, between Akrobat and Schurab, *Nabiev & Sharmatov 471* (LE); #14: Uzbekistan, Baisun mountains, right bank of the river Magai-Darja, on the ascent to the range Ketmenchaity, to the North from the pass, *O.V. Tscherneva 937* (LE); #15: Uzbekistan, Bukhara, Amu-Darja basin, Yakkabag, Near Samak village, *M.G. Popov 968* (LE); #16: Uzbekistan, Bukhara, Yakkabag, Darvaz-kham pass, in front of Tat-Kurgan, *V.I. Lipsky 1000* (LE); #17: Uzbekistan, Samarkand Province, Samarkand District, Lyajlak-Tau mountains, northern part of the Gissar Range, Soya, Shink, *A.I. Mikhelson & B.A. Fedtschenko 2318* (LE); #18: Uzbekistan, Samarkand Province, Samarkand District, Lyajlak-Tau mountains, northern part of the Gissar Range, Soya, Shink, *A.I. Mikhelson & B.A. Fedtschenko 2344* (LE); #19: Uzbekistan, West Pamir-Alai, upper part of Yakkabag-Darja river, Kishlak Tash-Kurgan area, from the pass Chakhman-Kuidy to Kishlak Tash-Kurgan, *Botschantzev & A. Butkov 2* (LE); #20: Uzbekistan, Zeravshan range, Farab-Say, Khazret-Sultan mountains, *C.A. Nikitin 147* (LE); #21: Uzbekistan, Zeravshan range, middle flow of the river Kashka-Darja, right bank of the river Dzhinda-Darja, *L.L. Bukgakova s.n.* (LE); #22: Zeravshan range, Schink area *V.L. Komarov s.n.* (LE); *Arctium arctioides* (Schrenk) Kuntze, #1: Kara-Kingir, *Polizow s.n.* (LE); #2: Kazakhstan, Akmola Province, Atbasarsky region, Downstream of the Sary-Su river, Ravine Ack-djar area, *I.M. Krascheninnikov & Bitovt 5240* (LE); #3: Kazakhstan, Dzhезkangan region, Turan depression, 49 km SW from Dzhazkazgan, Bank of the river Kumul, *Kamelin, E.I. Rachkovskaya, U.N. Safronova & V.I. Soloviev 6424* (LE); #4: Kazakhstan, Dzhезkangan region, Turan depression, 49 km SW from Dzhazkazgan, Bank of the river Kumul, *Kamelin, E.I. Rachkovskaya, U.N. Safronova & V.I. Soloviev 6434* (LE); #5: Kazakhstan, Karsakpai region, Kara-Dysar, *E. Lavrenko s.n.* (LE); #6: Kazakhstan, Kysyl-Orda Province, Karsakiaisky region, *N.V. Pavlov 306* (LE); #7: Kazakhstan, Kysyl-Orda Province, Southern Karsakpai region, *V.I. Smirnov 291* (LE); #8: Kazakhstan, Kysyl-Orda Province, Southern part of Karsakpai region, *N.V. Pavlov & S. Juzepchuk 136* (LE); #9: Kazakhstan, Kysyl-Orda Province, Southern part of Karsakpai region, steppe depression in Katyn-Kum sands, between Sadr-Sarat and lake Tele-Kul, *N.V. Pavlov 136* (LE); #10: Kazakhstan, West Betpak-Dala, Kishlak Kenderlyk, *B. Mironov & V. Pazi 619* (LE); #11: Sary-Su river, *A.G. Schrenk s.n.* (WU); *Arctium aureum* (C. Winkl.) Kuntze, #1: Gissar Range, rocky slopes on the road to Margusar lake, near kishlak Tiogl, *Goncharov 2122* (LE); #2: Samarkand mountains Kyrkarcha, near the village Amankutan, *Kamelin 1561* (LE); #3: Samarkand Province, Kschut area, *G. Kükenthal 148* (LE); #4: Samarkand Province, Lyailak-Tau mountains to the North from Gissar Range, between Soya and Schink, *A.I. Mikhelson 2307* (LE); #5: Samarkand Province, Zeravshan range, near Kschut, *Bornmüller 187* (LE); #6: Samarkand Province, Zeravshan basin, Kschut, *V.I. Lipsky 4260* (LE); #7: Schakhrizab region, North slopes of the Gissar Range, Basin of the river Kashka-Darja, midstream of the river Tankhas, *S.N. Kudryashev 560* (LE); #8: Tajikistan, Kishlak Rivat, *P.S. Massagetov 194* (LE); #9: Tajikistan, Schut, road to Penjikent, *Susanna 2514 & al.* (BC); #10: Transcaspien region, *E.B. Korowin s.n.* (LE); #11: Turkestan, Bukhara Province, Jakkabag region, near village Tutak-ata, *M.G. Popov 1165a* (LE); #12: Uzbekistan, Pistali-Tau, *N.S. Zapromedova s.n.* (LE); #13: Uzbekistan, South of m. Dekhkanabad, between Kishlak Kurgahntash and river Tarkapchigaj, *Botschantzev 99* (LE); #14: West Gissar, Basin of Kashka-Darja and Aksu rivers, up from the village Miraki, Canyon Chakly, *Kamelin 1035* (LE); #15: Zeravshan area, Mogian, *V.L. Komarov s.n.* (LE); #16: Zeravshan area, Mountains between Gusar and Kschut, *A. Regel 3* (LE); #17: Zeravshan Range, North slope, Kishlak Urgut area, *V. Drobov 11* (LE); #18: Zeravshan Range, steep slope near lake Soya, *W.A. Dubiansky & N.A. Basilevskaja 32* (LE); *Arctium chloranthum* (Kult.) S. López, Romashchenko, Susanna & N. Garcia, #1: Samarkand Province, Dzhizaksky uezd, Malaguzar Mountains, Canyon Scharalak-say, *A.I. Mikhelson s.n.* (LE); #2: Turkestan Range, Basin of the river Zaamina, Zaaminsk forest dacha, valley of the river Kzyl-Turuk, *P. Gomolitzky & G. Protopopov 305* (LE); #3: Turkestan Range, Basins of the rivers Zaamina and Sanzara, River Sanza valley, near villages Kichik-Kara-Schakschak, *L.A. Emme 104* (LE); #4: Turkestan Range, Basins of the rivers Zaamina and Sanzara, River Sanza valley, near villages Kichik-Kara-Schakschak, *L.A. Emme 105* (LE); #5: Turkestan Range, Basins of the rivers Zaamina and Sanzara, River Sanza valley, near villages Kichik-Kara-Schakschak, *L.A. Emme s.n.* (LE); #6: Turkestan Range, Basins of the rivers Zaamina and Sanzara, Schurbel pass, *L.A. Emme s.n.* (LE); #7: Turkestan Range, South slope to the river Yaskak, *K. Afanasiev 21* (LE); #8: Uzbekistan, Malguzar mountains, south slope, near say Taschkesken, *Kamelin 199* (LE); *Arctium dolichophyllum* (Kult.) S. López, Romashchenko, Susanna & N. Garcia, #1: Songoria, Chantau, *Schrenk s.n.* (W); #2: Uzbekistan, Ugam Range, above Nanai, right edge of the valley Pskema, *Kamelin 265* (LE); #3: West Tien-Shan, basin of the river Pskem, midstream of the river Isap-sai, *Knorring 39* (LE); #4: West Tien-Shan, midstream of the river Kok-su, Sibak area, *O.K. Smirnova s.n.* (LE); #5: West Tien-Shan, Ugam Range, Lake Bakhmal-kul area, *S. Lipasky 12303* (LE); *Arctium echinopifolium* (Juz.) S. López, Romashchenko, Susanna & N. Garcia, #1: Kyrgyzstan, Jalal-Abad Province, Ala-Buka region, Sandalash range, Taldy-Bulak, *Ubukeyeva s.n.* (LE); #2: Kyrgyzstan, Jangi-Jolsk region, Pasha-Ata river basin, Jilyandy canyon, *Aidarova s.n.* (LE); #3: Kyrgyzstan, West Tien-Shan, Chatkal Range, *N.N. Dzents-Litovskaja 326* (LE); #4: Kyrgyzstan, West Tien-Shan, Chatkal region, River Kum-bel, right inflow of the river Chatkal, *M.M. Sovetkina 942* (LE); #5: Pasha-ata river canyon, *Knorring & L.A. Emme 476* (LE); #6: Sairamsu river, headwater, right bank, *A. Ivashchenko s.n.* (LE); #7: Tien-Shan, Uzun-Akhmat Range, near the pass Kum-bel, *M.M. Iljin 556* (LE); #8: Uzbekistan, Fergana district, Namangan, *Knorring 67* (B); *Arctium egregium* (Juz.) S. López, Romashchenko, Susanna & N. Garcia, #1: Tien-Shan, Bostandyk district, Makar-saj, *V. Pavlov s.n.* (M); #2: Uzbekistan, Angrem valley, ascent to the pass Kamchik, *Kamelin 420* (LE); #3: Uzbekistan, Kuramin Range, between river Syr-Darja and Kamchik pass, *Botschantzev 304* (LE); #4: Uzbekistan, Kuramin Range, Kamchik pass, *Botschantzev 574* (LE); #5: Uzbekistan, South macroslope of the Kuramin Range, right bank of the Pangaz river, ascent to the pass Pangaz, *G.T. Sidorenko & B.A. Nikitin 209* (LE); #6: Uzbekistan, Tashkent Province, West Tien-Shan, Nukerata river, Uinatay mountains, *Botschantzev 290* (LE); #7: Uzbekistan, West Tien-Shan, Eastern part of Kuramin Range, Kamchik pass, *I.A. Gubanov 211* (LE); *Arctium eriophorum* (Regel & Schmalh.) Kuntze, #1: Kazakhstan, Alma-Ata Province, Kegen district, surroundings of the village Narynkol, Pass Karagaj-tas, *B. Shishkin s.n.* (LE); #2: Kazakhstan, Almatinskaya oblast, Alatau mt., above Almaty, *Susanna 2088 & al.* (BC); #3: Kazakhstan, near Alma-Ata, *Krassnow s.n.* (LE); #4: Semirechinsk Province, Central Tien-Shan, along the river Kugairek, from the mouth of the river Koisu to the pass Dure, *B.A. Fedtschenko 1124* (LE); #5: Semirechinsk Province, Central Tien-Shan, midstream of the river Koisu, *B.A. Fedtschenko 981* (LE); #6: Semirechinsk Province, Central Tien-Shan, Pass Kulalmaty, *B.A. Fedtschenko 835* (LE); #7: Semirechinsk Province, Djarkend district, Koldzat Pass, *B. Shishkin s.n.* (LE); #8: Semirechinsk Province, Djarkend district, near the river Akkol, left inflow of the Bajankol,

Appendix 2. Continued.

V. Sapozhnikov s.n. (LE); #9: Semirechinsk Province, Djarkend district, South-East of the Ketmen mountains, Naryn-kol Pass, *M.I. Ptashitzky 812* (LE); #10: Semirechinsk Province, North slopes of the Tien-shan range, lake area under the glacial, *G. Merzbacher 193* (LE); #11: Semirechinsk Province, Przhvevsk district, Ken-su river, west outflow of the river Aksai, *V. Sapozhnikov s.n.* (LE); #12: Semirechinsk Province, Tokmak region, Tien-Shan mountains, to the south from Tokmak, *P. Iwanov s.n.* (LE); #13: Tien-Shan mountains, Ketmen range, Karatau mountain, headwaters of the river Sumbe, *S.A. Arystangaliyev s.n.* (LE); #14: Tien-Shan, upper valley of the river Sary-Jass, mouth of the river South Ashuter, *V. Sapozhnikov s.n.* (LE); #15: Trans-Ili Alatau, headwaters of the river Issyk, Kok-Bulak, above Ak-Kul, *V.P. Goloskokov s.n.* (LE); #16: Trans-Ili Alatau, Semirechinsk Province, Vernoje district, Issyk lake, *N.D. Sokalsky 193* (LE); #17: Turkestan, Kungei Alatau, Kokoirok, near the source of the river Major Kabin, *V.F. Brotherus 655* (LE); *Arctium evidens* (Tscherneva) S. López, Romashchenko, Susanna & N. Garcia, Chatkal Range, South slope, Headwaters of the spring Katta-Akar, Irtysh-sai basin, *R.G. Yusupov s.n.* (LE); *Arctium fedtschenkoanum* (Bornm.) S. López, Romashchenko, Susanna & N. Garcia, #1: Gissar Range, Khanka-su valley, massif Darbaz-khan, *Lepeshkin & A. Mukhamedzhanov 865* (LE); #2: Tajikistan, *Romashchenko 632 & Susanna* (BC); #3: Tajikistan, Gissar Karategin, Southern rocky slope of the range near Zor-Kamar, *K. Afanassiev 47* (LE); #4: Tajikistan, Gissar Range, upstream of the Luchob river, *Th.L. Zapryagaev 771* (LE); #5: Tajikistan, Gissar Range, upstream of the Luchob river, *Th.L. Zapryagaev 745* (LE); #6: Tajikistan, Gissar Range, upstream of the Takob river, Ruidashti Maida, *Konkov & Shimunova 535* (LE); #7: Tajikistan, Karategin Range, Pass Ingorak, 16–18 km W-NW from Obi-Garm, *T. Strizhova 2359* (LE); #8: Tajikistan: Samarkand province, alpes Sarawschan, between Simarl and Ansob, *Bornmüller 498* (B); #9: Tajikistan, South macroslope of the Gissar Range, Basin of the river Khanak, Khodzha-Mefrag, *V.A. Nikitin & I.V. Borisova 372* (LE); #10: Tajikistan, South macroslope of the Gissar Range, Basin of the river Luchob, Kutarma, *V.A. Nikitin & I.V. Borisova 442* (LE); #11: Tajikistan, South macroslope of the Gissar Range, Basin of the river Luchob, South slope of the Sioma-Luchob watershed, *V.A. Nikitin 451* (LE); #12: Tajikistan, South macroslope of the Gissar Range, Basin of the river Luchob, South slope of the Sioma-Luchob watershed, *V.A. Nikitin 453* (LE); #13: Tajikistan, Pamir-Alai, South macroslope of the Gissar Range, South slope of the pass Zor-Kamar, *N.F. Goncharov & B.P. Mikhailovsky 446* (LE); #14: Tajikistan, South macroslope of the Gissar Range, Schakhrinausky region, ascent to the pass from the Khodzha-Maphrach local area to the Ak-Tasch valley, *Grigoriev, A.S. Koroleva & V.A. Nikitin 66* (LE); #15: Vakhsh-Surhob River, right bank of the upstream part, Zor-Kamar, *V.A. Nikitin & R.P. Zabolotzkaya 222* (LE); *Arctium grandifolium* (Kult.) S. López, Romashchenko, Susanna & N. Garcia, Kazakhstan, Zambylskaya oblast, Talaski Alatau, 6 km W from Il Tai, *Susanna 2181 & al.* (BC); *Arctium haesitabundum* (Juz.) S. López, Romashchenko, Susanna & N. Garcia, #1: Samarkand Province, Dzhizaksk region, South macroslope of the Malguzar mountains, Kishlak Schaibeck area, *A.I. Mikhelson s.n.* (LE); #2: Uzbekistan, Malguzar mountains, South slope, near the say Tashkeskei, *Kamelin 200* (LE); #3: Uzbekistan, North macroslope of the Nuratau Range, Kishlak Darastan area, *Botschantzev & Kamelin 275* (LE); *Arctium horrescens* (Juz.) S. López, Romashchenko, Susanna & N. Garcia, #1: Kazakhstan, West Tien-Shan, Chatkal Range, right bank of the river Chatkal, inflow of the river Poltau, *O.E. Neustrueva & Knorring 5* (LE); #2: Uzbekistan, Utam Range, above Nanai, right side of the Pskem valley, *Kamelin 286* (LE); #3: West Tien-Shan, Southern mountains, *A. Granitov 478* (LE); *Arctium karatavicum* (Regel & Schmalh.) Kuntze, #1: Dzhungar Alatau, Chulak mountains, Karachek hill, *V.P. Goloskokov s.n.* (LE); #2: Ichkele-tau-Aktash mountains, Canyon Ulkun-kalka, *Kamelin 770* (LE); #3: Karatau foothills, near Kulan, *N.V. Pavlov 259* (LE); #4: Karatau Mountains, headwaters of the river Ascha-Bulak, *V.L. Zapryagaev 371* (LE); #5: Kazakhstan, Aksu-Zhabagly Nature Reserve, Novo-Nikolaevka area, *Kamelin 1607* (LE); #6: South Kazakhstan, Jambyl Province, rocky hills of the right bank of the Talas river, Jambyl, *N.N. Tzvelev s.n.* (LE); #7: Kazakhstan, Karatau mountains, *Knorring, Korotkova & T.A. Adylov 5436* (LE); #8: Kazakhstan, Karatau mountains, Ak-syrks area, *M.M. Iljin & E.M. Iljin 33* (LE); #9: Kazakhstan, Karatau mountains, Turlan area, *Knorring, Korotkova & T.A. Adylov s.n.* (LE); #10: Kazakhstan, Karatau Range, between Orlovka and Baidjansai, *Botschantzev 404* (LE); #11: Kazakhstan, Karatau Range, collective farm Bijlyukul, *Botschantzev 470* (LE); #12: Kazakhstan, Zambylskaya oblast, Karatau mt., Kuyuk pass, *Susanna 2162 & al.* (BC); #13: Kirgiz Alatau, South-East extremities, foothills near Jambyl, *Kamelin 78-K* (LE); #14: Nuratau, ascent of the pass Tipalik, *O.E. Neustrueva & L. Tzvetkova 249* (LE); #15: Samarkand Province, Chupan-ata near Samarkand, *V. Lipsky 3255* (LE); #16: Samarkand Province, Dzhizaksky region, North slopes of the Kai-Tasch mountains, near the kishlak Kara-Tasch, *A.I. Mikhelson s.n.* (LE); #17: Semirechinsk Province, Chu-Yljisk mountains, between Aktas and Uch-kizyl, *V. Titov s.n.* (LE); #18: Syr-Darja Karatau, middle part of the Berkara canyon, *Kamelin 698* (LE); #19: Syr-Darja Province, Aulie-Ata area, Ulkun-Taurmotau mountains, *M.M. Iljin 25* (LE); #20: Syr-Darja province, Aulie-ata region, Bolshoi Kara-oi, *M. Soloviev 944* (LE); #21: Syr-Darja Province, Aulie-Ata region, Canyon Berk-kara, Kara-tau, *Z. von Minkwitz 297* (LE); #22: Syr-Darja Province, Aulie-Ata region, Kara-oi, *Soloviev s.n.* (LE); #23: Syr-Darja province, Aulie-Ata region, Karatau Mountain, *P. Zavalov et al. 75* (LE); #24: Syr-Darja Province, Aulie-Aata region, near Burny, collector unknown (LE); #25: Syr-Darja Province, Shymkent region, Tandy-bulak, Uch-bash, *Knorring 887* (LE); #26: Syr-Darja Province, Tschimkent district, Uch-basch, near Tamdy-bulak, *Z.A. Minkwitz 982* (LE); #27: Turkestan, hills along Zeravschan near Samarkand, *N.V. Androsov 1781* (LE); #28: Turkestan, Kara-Tschoku, *A. Regel s.n.* (LE); #29: Turkestan, Tschuthal, Kur dai, *A. Regel s.n.* (LE); #30: Uzbekistan, between Dzhizak and Samarkand, Tamerlan Gates, *Botschantzev 59* (LE); #31: Uzbekistan, Bukhara Province, Adyrs, near the river Sarmysh, *M.I. Pryakhin s.n.* (LE); #32: Uzbekistan, Bukhara Province, Navoi region, to the East from the river Sarmysh, *M.I. Pryakhin s.n.* (LE); #33: Uzbekistan, Malguzar mountains, South slopes near Taschkecken, *P. Kamelin s.n.* (LE); #34: Uzbekistan, Malguzar mountains, South slope near Tasch-kesken, *Kamelin 201* (LE); #35: Uzbekistan, North macroslope of the Koitash range to the south from the Kirov's collective farm, *Botschantzev & Kamelin 196* (LE); #36: West Tien-Shan, Kara-Tau mountain, Tabak-Bulak, *P. Gomolitzky 360* (LE); *Arctium korolkowii* (Regel & Schmalh.) Kuntze, #1: Nuratin area, Aktau mountains, *Knorring & L.A. Emme 63* (LE); #2: Uzbekistan, North macroslope of the Aktata Range, Ingichke 22 km to the South from the town Nurata, *Botschantzev & Kamelin 482* (LE); #3: Uzbekistan, North macroslope of the Koitash Range, Kirov collective farm, *Botschantzev & Kamelin s.n.* (LE); #4: Uzbekistan, North macroslope of the Nuratau Range, Canyon Gurdara, kishlak Sarymsak area, *Botschantzev & Kamelin 334* (LE); #5: Id., *Botschantzev & Kamelin 367* (LE); #6: Uzbekistan, North macroslope of the Nuratau Range, kishlak Sintob area, *Botschantzev & Kamelin 427* (LE); #7: Uzbekistan, Samarkand Province, Dzhizak region, Koitash foothills, near the kishlak Bagadan, *A.I. Mikhelson s.n.* (LE); #8: Uzbekistan, Samarkand Province, Dzhizak region, North slopes of Nuratau mountains, Aidygyn spring, *M.D. Spiridonov s.n.* (LE); #9: Uzbekistan, Samarkand Province, Nuratau, Aktau mountains, Sai Petyr, *Kamelin 74* (LE); *Arctium korshinskyi* (C. Winkl.) S. López, Romashchenko, Susanna & N. Garcia, #1: Kyrgyzstan, Fergana Mt. R., ascension to Ak-Tash mountain from Urumbash pass, *G. A. Lazkov s.n.* (W); #2: Kyrgyzstan, Fergana Province, Andizhansk region, hill slopes along the river Iri-su, *N. Androsov 199* (LE); #3: Kyrgyzstan, Fergana Province, Andizhansk region, near the pass Kun-bel, *Knorring & Z.A. Minkwitz 449* (LE); #4: Kyrgyzstan, Ferganski ridge, ascension to Ak-Tash mountain from Urumbash pass, Tian-Shan, Fergana Range, Middle part of the northern slopes near the pass Kugart, *K. Stanukovitch s.n.* (LE); #5: Kyrgyzstan, Tian-Shan, Fergana Range, West macroslope 68 km to the NW from Uzgen, watershed between the rivers Tuyuksu and Gorumdy, river Yassy basin, *S.S. Ikonnikov & B.N. Gannibal 11733* (LE); #6: Id., *S.S. Ikonnikov & B.N. Gannibal 11767* (LE); *Arctium lappa* L., #1: Abkhazia, Blaburova, Canyon at the starting point of the ascent to Kosikho, *Zakharova 2287* (LE); #2: Abkhazia, near Jurjevskoe, *G. Woronow 710* (LE); #3: Abkhazia, Reinsinsky reserve, Avadhora area, *M.I. Maksimov s.n.* (LE); #4: Armenia, above the village Dzhraber, *Stamamenyan s.n.* (LE); #5: Armenia, Dzhraber area, foothills of the mountain Khadis, *Stamamenyan s.n.* (LE); #6: Armenia, Meghri region, Right bank of the river Vagravar-chai, on the hill above the village Vagravar, near the aryk in Hornbeam-Oak forest, *T.V. Egorova, N.N. Tzvelev & S.K. Cherepanov 1689* (LE); #7: Armenia, Meghri region, Zangezurksy range, on the right inflow of the river Megriget from the village Vardanadzor, *T.V. Egorova, N.N. Tzvelev & S.K. Cherepanov 1810* (LE); #8: Azerbaidjan, Baku Province, Lenkoran district, between plateau Alasapin and mountain Uljasy, *L. Prilipko s.n.* (LE); #9: Azerbaidjan, Lenkoran district, South marge of the lake Marzo-Udashbi, *A.E. Bobrov & N.N. Tzvelev 689* (LE); #10: Azerbaidjan, Lenkoran region, 4–5 km South-East of Veri (Aicha-la) near the mountain village, *E. Matveeva 708* (LE); #11: Azerbaidjan, Transcaucasia, Gandzha Province, Agdam district, Karabach steppe, near fortified town Bary, *L. Prilipko s.n.* (LE); #12: Caucasus, *Bekker s.n.* (LE); #13: Caucasus, *Hohenacker 583* (LE); #14: Caucasus, Black Sea coast, Chernomorsk Province, *I.V. Palibin s.n.* (LE); #15: Caucasus, Black Sea coast, Chernomorsk Province, Tuapse district, between Tuapse and Nebug, *D. Litvinov s.n.* (LE); #16: Caucasus, Karass, *Becker 3996* (LE); #17: Caucasus, Krasnodar krai, Gelandzhik area, Markotkh range, on ascent from the village Vinogradny, *Yu.L. Menitzky, T.N. Popova & O. Morozenko 20* (LE); #18: Caucasus, Krasnodar krai, Seversky region, Shebsh river basin. 5–7 km to South-East of Stavropolskaya station, *Yu.L. Menitzky & T.N. Popova 12* (LE); #19: Caucasus, Stavropol Krai,

Appendix 2. Continued.

near river Kuma, Praskoveia district, *I. Hovopokrovsky* 909 (LE); #20: Daghestan, A. Becker 421 (LE); #21: Georgia, Batumi, Botanical Garden, on the road to the technical school, *H. Memiadze & H. Lomtadidze s.n.* (LE); #22: Georgia, Samegrelo-Zemo Svaneti, Gegechkori district, Inchkhuri area, *I. Mandenova & Sch. Kuthatheladze s.n.* (LE); #23: Germany, Brandenburg, Kreis Oberhavel, Rhinluch, Beetz, *Dürbye & Wiechert s.n.* (B); #24: Iran, NNE, Khorassan, 25 SW Bodjnour, *Mehregan* 140 (MJG); #25: Russia, Chernomorsky region, Caucasus, Tuapkhata range, *V. Lipsky s.n.* (LE); #26: Russia, Kuban-Chernomorsk Province, Novorossiysk area, Markhoth range, *T.F. Pojarkova* 270 (LE); #27: Severo-Kavkazskiy krai, surroundings of Kurda Kubanskaya, *E. Ispolatov s.n.* (LE); #28: Transcaucasus, *N. Sredinsky s.n.* (LE); #29: Transcaucasia, Igdir Province, -former Erevan Province of Armenia, in current Turkey-, *B. Levandin s.n.* (LE); #30: Turkey, Trabzon Province, Mountains on the right bank of the river Karshut-Darasi. c. 5 km North of Karshut-basar, c. 80 km W-SW from Trabzon, *S. Turkevich* 188 (LE); #31: Without locality, *Hohenacker s.n.* (LE); *Arctium lappaceum* (Schrenk.) Kuntze, #1: Chantau, *A. Schrenk s.n.* (LE); #2: Kazakhstan, Chu-Iliysk mountains, Khantau mountain, *V. Drobov & P. Gomolitzky* 560 (LE); #3: Kazakhstan, Chu-Iliysk mountains, Khan-Tsu area, *R.I. Abolin* 386 (LE); #4: Kazakhstan, Chuisk region, spurs of the mountains Kendyk-Tas and the river Chu valley, *O.A. Enden* 63 (LE); #5: Kazakhstan, Semirechinsk Province, *V. Nedzvetzky & Lutik s.n.* (LE); #6: Kazakhstan, Semirechinsk Province, Chu-Iliysk mountains, *V. Titov s.n.* (LE); #7: Kazakhstan, Semirechinsk Province, Chu-Iliysk mountains, Ak-tash area, *V. Titov s.n.* (LE); #8: Kazakhstan, Zambylskaya oblast, Kurdai pass, *Susanna* 2150 & al. (BC); #9: Songaria, Chantau, *A. Schrenk* 245 (LE); *Arctium leiospermum* Juz. & Ye. V. Serg., Kazakhstan, Zambylskaya oblast, Kurdai pass, *Susanna* 2154 & al. (BC); *Arctium macilentum* (C. Winkl.) S. López, Romashchenko, Susanna & N. Garcia, #1: Tajikistan, Gissar Range, watershed between Kandara and Luchob rivers, *S. Juzepczuk* 513 (LE); #2: Tajikistan, Gissar Range, watershed between Kandara and Luchob rivers, *F. Zaprojagaev* 510 (LE); #3: Tajikistan, South macroslope of Gissar range, headwaters of the river Luchob, *R.M. Faustova* 82 (LE); #4: Tajikistan, Gissar Range, between Ljuczob and Unou rivers, *Zaprojagaev* 4641 (M); #5: Id., *Zaprojagaev s.n.* (LE); #6: Id., *Zaprojagaev s.n.* (W); #7: Tajikistan, South macroslope of the Gissar Range, Varzob river basin, SE slope to the river Obi-Shir, Kishlak Gushari area, *A.S. Koroleva & V.A. Nikitin s.n.* (LE); #8: Tajikistan, West Gissar, Tupolong river basin, Geevs pass, *Lepeshkin & Kutalek* 11818 (LE); #9: Tajikistan, West Pamir-Alai, River Kashka-Darja basin, headwaters of the right inflow of the river Kyzdy-Darja, to the west from Ustan-Ulgon, *N.F. Goncharov* 161 (LE); *Arctium medians* (Juz.) S. López, Romashchenko, Susanna & N. Garcia, #1: Gissar range, South slope, midstream of the river Khanaka, lower third part of the SW slope of the mountain Surkh-uc, *E.A. Varivtzeva s.n.* (LE); #2: Tajikistan, West foothills of the Gardani-Ushiti range, *E.A. Varivtzeva & G.N. Nepli s.n.* (LE); #3: Turkmenistan, Charshaginsk region, Kugitang Range, between kishlak Khodzhaifilbata and pass Khazretaksar, *Botschantzev* 139 (LE); #4: Turkmenistan, Kugitang Range, mining camp near Kugitang village, *Botschantzev* 71 (LE); #5: Turkmenistan, lower terrace of the NW slope of the Kugitang Range, near kishlak Kugitang, canyon, *S.A. Nevski* 375 (LE); #6: Uzbekistan, Surkhandarbinsk Province, between kishlaks Sairon and Schurob, on the 121–122 km of the highway from the town Termez, *Botschantzev* 240 (LE); #7: Uzbekistan, Togai-Temir, *Kamelin* 619 (LE); *Arctium minus* (Hill) Bernh., #1: Argentina, Buenos Aires, La Plata, *D.G. Gutiérrez s.n.* (BC); #2: Argentina, Córdoba, Huerta Grande, *Susanna* 2758 (BC); #3: Croatia, Zagreb, Medveščak, by the stairs from Voćarsko naselje to Vončinića street, *Boršič* 236 (BC); #4: England, London, Lewisham, Bridgehouse Meadows, *Cairó, García-Serna & López-Vinyallonga* 1 (BC); #5: France, Carança river, *Borsic, Casanovas, Loos, López-Vinyallonga* 2 & *Roquet* (BC); #6: France, Hérault, Plateau de l'Escandorque, *Montes-Moreno & Vilatersana* 1042 (BC); #7: Germany, Brandenburg, Potsdam-Mittelmark (Kreis), Seeburg, *T. Dürbye, J. Meyer & Wilke* 2695 (B); #8: Holland, Amsterdam, Vondelpark, *García-Serna, Mumbert, López-Vinyallonga* 4 & *Vinyallonga* (BC); #9: Italy, by the estuary of the river Serchio into the sea, about 6 km WNW Migliarino, on the orographically right side of the river, Marina di Vecchiano, *Hilpold, García-Jacas & Vilatersana* 1246 (BC); #10: Italy, Parco Nazionale del Pollino, on the way from Prastio to Rifugio Visitone, about 2 km SE Prastio, *Hilpold, García-Jacas & Vilatersana* 1129 (BC); #11: Italy, N Brixen, 50 m W monastery Kloster Neustift, *Hilpold & M. Pramsöhler s.n.* (BC); #12: Krasnodar Krai, surroundings of Sochi, on the road from the village Khosta to Worontzobka, 3 km from v. Khosta, *N.N. Tzvelev* 34 (LE); #13: Morocco, High Atlas, between the Ait Bou-gomez valley and Demnate, megaforbic in the bottom of the valley, *Boratynski, Gómiz & Romo* 15186 (BC); #14: Norway, Farsund, Ore, *K. Høiland & A.K. Brysting s.n.* (BC); #15: Norway, Farsund, Vanse, Grønhaug blr., *K. Høiland & A.K. Brysting s.n.* (BC); #16: Norway, Farsund, Vanse, Kiwi, *K. Høiland & A.K. Brysting s.n.* (BC); #17: Poland, Kórnik, near the lake of Kórnik, *Romo* 14983 (BC); #18: Slovakia, between Liesek and Hladovka, *Romo* 14981 (BC); #19: Spain, Barcelona, Dosrius, stream of Canyamars, *López-Vinyallonga & Vilatersana* 1100 (BC); #20: Spain, Granada, Darro river between Camino de la Fuente del Avellano and Puente de Cabrera, *García-Serna & López-Vinyallonga* 3 (BC); #21: Spain, León, between Murias de Paredes and Montrondo, *Boršič & Vilatersana* 1074 (BC); #22: Turkey, National Park of Uludag, near Bursa, *Romo* 14639 (BC); #23: US, Takoma Park, Washington DC, *Romaschenko s.n.* (BC); *Arctium nemorosum* Lej., #1: Caucasus, *I. Akinfiyev s.n.* (LE); #2: Caucasus, Stavropol Krai, *E. Sergievskaya s.n.* (LE); #3: Germany, Rheinland-Pfalz, Gerolstein-Oos, Wegrund am S-Rand Ammelsbüsch, Mittelabschnitt, *R. Hand* 3332 (B); *Arctium palladini* (Marcow.) R.E. Fr. et E.S. Söderb., #1: Caucasus, *Bayern s.n.* (LE); #2: Caucasus, Baku Province, Near Schemacha, *Th. Alexeenko s.n.* (LE); #3: Caucasus, Dagestan Province, Dargi district, on the south slopes of the Shamchal, *Th. Alexeenko* 12818 (LE); #4: Caucasus, Dagestan Province, near Temir-Khan-Shura, *Th. Alexeenko* 12821 (LE); #5: Caucasus, Ossetia, Terek Province, near Alagir, *W. Marcowicz* 927 (LE); #6: Caucasus State National Natural Reserve, Guzeripli glade, *A.I. Leskov* 717 (LE); #7: Caucasus, Stavropol Krai, Essentuki, *Bayern s.n.* (LE); #8: East Caucasus, Dagestan, *Ruprecht* 43 (LE); #9: East Transcaucasia, Georgian SSR, *Bakuriani, E. Sergievskaya, S. Juzepczuk, I. Vysokoostrovskaya & G. Kiknadze* 311 (LE); #10: East Transcaucasia, Georgian SSR, Borjomi area, Near the village Dviri, *S. Juzepczuk, I. Vysokoostrovskaya, G. Kiknadze & E. Sergievskaya* 197 (LE); #11: East Transcaucasia, Georgian SSR, Borjomi area, near the village Sadgeri, *E. Sergievskaya* 193 (LE); #12: Kiajudsk, *I. Ya. Akinfiyev s.n.* (LE); #13: North Caucasus, Majkop, *N. Schestunov* 582 (LE); #14: Russia, Ossetia, near Alagir, *W. Marcowicz s.n.*; *Arctium pallidivirens* (Kult.) S. López, Romashchenko, Susanna & N. Garcia, #1: Uzbekistan, North macroslope of Koitash range, to the South of the Kirov collective farm, *Botschantzev & Kamelin* 242 (LE); #2: Uzbekistan, North macroslope of Nuratau range, Gurdara canyon, surroundings of the kishlak Sarjumsac, *Botschantzev & Kamelin* 387 (LE); #3: Uzbekistan, South macroslope of Koitash range, Koitash area, *Botschantzev & Kamelin* 568 (LE); #4: Zeravshan region, Ak-Tau mountains, to the North of Khodja-Kolishan, Yang-agly area, *M.G. Popov* N3/121 (LE); *Arctium pentacanthoides* (Juz. ex Tscherneva) S. López, Romashchenko, Susanna & N. Garcia, #1: Angren river basin, near aul Kara-bulakh, *L.A. Berezin* 2/1548 (LE); #2: Kuramin Range, road between Syr-Darja river and the pass Kamchik, near kishlak Ak-tepe, *B.P. Botschantzev* 299 (LE); #3: Samarkand Province, Mogol-tau, *M.G. Popov s.n.* (LE); #4: Uzbekistan, Angren region, left bank of the river Angren, Cheet-su area, *Knorring s.n.* (LE); #5: Id., *Knorring* 65 (LE); #6: Uzbekistan, Angren region, near the village Cheet-su, *Knorring* 1 (LE); *Arctium pentacanthum* (Regel & Schmalh.) Kuntze, #1: Fergana Province, Namangan district, Northern Ungar-Tube mountains, *Knorring* 108 (LE); #2: Samarkand Province, Khodzhen district, Mogol-tau mountains, *M.I. Nevyssky s.n.* (LE); #3: Id., *M.I. Nevyssky s.n.* (LE); #4: Samarkand Province, Khodzhen district, North slopes of Mogol-tau mountains, *M.D. Spiridonov* 173a (LE); #5: Samarkand Province, Khodzhen district, Western slope of the South part of Mogol-tau mountains, *M.D. Spiridonov* 173 (LE); #6: Samarkand Province, Mogol-tau mountains, *Skornyakov s.n.* (LE); #7: Id., *Skornyakov s.n.* (LE); #8: Samarkand Province, Mogol-Tau, slopes facing Mamrang-sai, *I.I. Sprygin & M.G. Popov* 754 (LE); #9: Without locality, *C.M. Smirnov s.n.* (LE); *Arctium pseudarctium* (Bornm.) Duist., #1: Alai range, North slope, above the village Katta-taldyk, *Grigoriev* 8(33) (LE); #2: Alai range, North slope, depression of the high terrace below the village Langar, *Grigoriev* 9(37) (LE); #3: Id., *Grigoriev* 9 (LE); #4: Alai range, North slope, descent from the pass Chilirchik to the village Gulcha, on the Pamir path, *Grigoriev* 5 (LE); #5: Alai range, North slope, Katta-taldyk, 51 km from the mountain Osch along the Pamir path, *Grigoriev* 3(35) (LE); #6: Fergana province, Andizhan district, near the lake Karakul, to the South-East from Charvak, *Z.A. Minkvitz* 1114 (LE); #7: Kirgizstan, Alai Range, Lyangar, *S.V. Juzepczuk & S. Arsenjeva* 193 (LE); #8: Osh province, Kara-sui region, right bank of the Ak-Bura river, Ak-terek, near Papan, *Aidarova & Gorbunova s.n.* (LE); #9: River Jagnob basin, North slope of the Gissar range, near river Kul' valley, *Grigoriev* 185 (LE); #10: Tajikistan, Kulyab region, near village Muminabad, *Grigoriev* 67 (LE); #11: Tajikistan, Kulyab region, West slopes of the Kichik-tiryaj range, between kishlaks Turkoni and Kaftar, *J.A. Linczevski & T.J. Maslennikova* 401 (LE); #12: Tajikistan, mountains near kishlak Bagay on the river Pyandzh, *G.N. Nepli s.n.* (LE); #13: Tajikistan, Nau-Khakimi river valley, 2 km above the kishlak Kanyaz-Poyen, *N.F. Gontscharow & V.P. Michailovsky* 330 (LE); #14: Tajikistan, Pamir-Alai, Gissar range, canyon of the river Kanyaz, below kishlak Kanyaz-Poyen, *N.F. Gontscharow & V.P. Michailovsky* 308 (LE); #15: Tajikistan, Pamir-Alai, Gissar valley, North slope of the Rengan-tau range, *Grigoriev* 23 (LE); #16: Tajikistan, Pamir-Alai, North slope of the Rengan, Tau range,

Appendix 2. Continued.

Grigoriev 18 (LE); #17: Id., *Grigoriev 21* (LE); #18: Tajikistan, Tibalyaj river valley to the north-west from Kulyab, *Grigoriev 37* (LE); #19: Tajikistan, Vorzov valley, 2 km N kishlak Ziddy, *Susanna 2477 & al.* (BC); #20: Tajikistan, Zeravshan river basin and Gissar Range, Samarkand province, Iskander district, along Iskander river, near Kool, *G. Balabajew s.n.* (LE); #21: Uzbekistan: Samarkand province, *B.A. Fedtschenko 340b* (B); #22: Uzbekistan, Samarkand province, alpes Sarawschan, Jagnob river, between Piskan and Nowobad, *Bornmüller 614* (B); #23: Id., *Bornmüller 613* (B); #24: Uzbekistan, Samarkand province, alpes Sarawschan, Jagnob river, Warsout, *Bornmüller 564* (B); #25: Id., *Bornmüller 562* (B); #26: Id., *Bornmüller 563* (B); #27: Uzbekistan, Samarkand province, Chasr-Sultan, *Michelson 2111* (B); #28: Without locality, *B.A. Fedtschenko 340a* (B); *Arctium pterolepidum* (Kult.) S. López, Romashchenko, Susanna & N. Garcia, Uzbekistan, Taschkent district, river Chirchik system, valley of the river Pskem, descent from the pass Kurum-dzhulk to the village Pskem (LE); *Arctium refractum* (Bornm.) S. López, Romashchenko, Susanna & N. Garcia, Tajikistan, Kondara river canyon, Varzowski Rayon reservation, *Susanna 2456 & al.* (BC); *Arctium schmalhausenii* (C. Winkl.) Kuntze, #1: Kashka-Darja river basin, West part of the Zeravshan Range, near the top of the mountain Tschimudly-tepe, *S.N. Kudryashev & G.P. Sumnevich 381* (LE); #2: Uzbekistan, between Samarkand and Scharchrizabs, Takhtakaracha pass, *Botschantzev 65* (LE); #3: Uzbekistan, Samarkand province, low mountains between town Katta-Kurgan and Ingichka mine, *Botschantzev 275* (LE); *Arctium tomentellum* (C. Winkl.) Kuntze, #1: Tajikistan, Gissar range, central canyon of Takob, left bank of the river Schura, *Bulgakova s.n.* (LE); #2: Tajikistan, Gissar range, Varzob river basin, Canyon Kondara, Kvak, *Erschova 104* (LE); #3: Tajikistan, Gissar range, Varzob river basin, Canyon Kondara, Tangishur, *Pisjaukova 224* (LE); #4: Tajikistan, South slope of the Gissar range, Varzob river basin, midflow of the river Ispoved, inflow of Takob, *A. Pojarkova & E. Varivtseva 1179/218* (LE); #5: Tajikistan, Karatau mountains, *G.N. Nepli s.n.* (LE); #6: Tajikistan, Khodzha-kazian mountains to the east of kishlak Lyailaykul, *G.N. Nepli s.n.* (LE); #7: Tajikistan, M. Hissar, *Regel s.n.* (B); #8: Tajikistan, North slope of the Karategin range, 18–20 km to the east of the kishlak Ramit, *T. Strizhova & G.T. Sidorenko 2096* (LE); #9: Tajikistan, Pamir-Alai, East slope of the mountain Ak-tau, above the kishlak Karasyrt, *N.F. Goncharov & V.P. Mikhailovsky 182* (LE); #10: Tajikistan, Pamir-Alai, Zengantau range, Mazar, Khodzhaizarin, *N.F. Goncharov & V.P. Mikhailovsky 82* (LE); #11: Tajikistan, Sarsaryak range, above the kishlak Bagarak, *N.F. Goncharov, Yu. Grigoriev & V. Nikitin 173* (LE); #12: Tajikistan, South slope of the Gissar range, left bank of the river Varzob, 3 km to South-East of kishlak Rog-bolo, *A. Chukavina & K. Ashirmuhamedov 10502* (LE); #13: Tajikistan, Southern marge of the mountain range Terigli-tau, *V. Nikitin 613* (LE); *Arctium tomentosum* Mill., Germany, Berlin, Köppchensee zw. Lübars und Schildow, ehem. Rieselfelder, *Häffner 22* (B); *Arctium triflorum* (Schrenk.) Kuntze, #1: Between Kyrk-Kuduk and Sor-gul, *O.N. Bondarenko & A.Ya. Butkov 61* (LE); #2: Foothills of the Alym-tau, *O.N. Bondarenko & A.Ya. Butkov 57* (LE); #3: Kazakhstan, Chantau, *A.G. Schrenk 250* (WU); #4: Kazakhstan, Songaria, *A.G. Schrenk s.n.* (JE); #5: Kazakhstan, South-West marge of the Kirghiz Range, Canyon Almaly-sai, *V.P. Goloskokov s.n.* (LE); #6: Kirgizstan, Semirechensk province, between Bishkek and Issyaty, *V.I. Lipsky 1046* (LE); #7: Kirgizstan, Semirechensk province, Bishkek district, Artash-Kara-archa on the path of the Magistral Canal, *M. Sovetkina & S. Chausova 1445* (LE); #8: Kirgizstan, Semirechensk province, Bishkek district, between Atbashinsk Botanical Station and village Vasiljevka, *Yu. Tzinzerling & T. Tzinzerling 650a* (LE); #9: Kirgizstan, Semirechensk province, Bishkek district, right bank of the river Chu, *M. Sovetkina & S. Chausova 1032* (LE); #10: Kirgizstan, Semirechensk province, Bishkek district, right bank of the river Chu, Blagoveschenskoe, *V. Titov s.n.* (LE); #11: Kirgizstan, Semirechensk province, Bishkek district, right bank of the river Chu near Ulan-Tumsuk mountains, *M. Sovetkina & S. Chausova 1080* (LE); #12: Kirgizstan, Semirechensk province, Bishkek district, valley of the right bank of the river Chu, 10 km to the SE of the village Blagoveschensk, *M. Sovetkina & S. Chausova 1102* (LE); #13: Surroundings of the Kuva-sai, *M.M. Iljin 41* (LE); #14: Syr-Darja province, Aulie-ata district, foothills of the mountain Alexander, near Utseh-bulak, *Mokeyeva & M.G. Popov 197* (LE); #15: Syr-Darja province, Montai-Tasch station of the Taschkent rail road, *I. Sprygin K434* (LE); #16: Turkestan, Arassan, North slope of the Alexander mountain, *Fetissow s.n.* (LE); #17: Turkestan, midflow of the Yassy river, *A. Regel s.n.* (LE); #18: Turkestan, South slope of Kurdai, *A. Regel s.n.* (LE); *Arctium ugamense* (Karmysch.) S. López, Romashchenko, Susanna & N. Garcia, Tien-Shan, Kuraminski, near Kamchik, *V. Vasak s.n.* (W); *Arctium umbrosus* (Bunge) Kuntze, #1: Karatau foothills, bank of the river Chilikty, *N.V. Pavlov 270* (LE); #2: Kazakhstan, Almatinskaya oblast, Alatau mt. above Almaty, *Susanna 2100 & al.* (BC); #3: Semirechensk province, Verneje, *I. Killoman s.n.* (LE); #4: Id., *I. Killoman s.n.* (LE); #5: Semirechensk province, Verneje district, S and W slopes of the canyon of the river Malaya Almatinka, *W.G. Gorodetzky 450* (LE); #6: Syr-Darja province, Tschimkent district, Ak-tash, *Z.A. Minkwitz 243* (LE); #7: Syr-Darja province, Tschimkent district, between Vannovskoe and Vysokoe, *A. Michelson 330* (LE); #8: Tien-Shan, Chimgan valley, *E.L. Khomutov s.n.* (LE); #9: Tien-Shan, Dzhabogly-Aksu National Reserve, descent into the canyon of the river Ak-su, *Pyataeva 172* (LE); #10: Trans-Ili Alatau, midstream of the river Karakunuz, *V.P. Goloskokov s.n.* (LE); #11: Tschuisk region, *A. Vasinger 151* (LE); #12: Uzbekistan, Tashkent district, Chirchik river system, Valley of the river Pskem, between Pskem and Tepar-saem, *Z.A. Minkwitz 867* (LE); #13: Uzbekistan, Zakavkazsko-Centralasian group, Zapadniy Gissar, Kashka-Dariya-Aksu Rivers basin, near Miraki village, Chaksy gorge, *Kamelin et al., N1036* (LE); *Arctium vavilovii* (Kult.) S. López, Romashchenko, Susanna & N. Garcia, Kazakhstan, Syr-Darja province, Aulie-ata district in montibus Alexandri prope Utsch-Bulak, *Popov* (B).