

Synopsis of the genus *Saussurea* DC. (Asteraceae) of Eurasia

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The synopsis presents the most comprehensive data on the diversity, synonymy and distribution of species of the genus *Saussurea* DC. in Eurasia. The greatest species diversity of the genus occurs in the mountain systems of Central and South-East Asia, the Himalayas and Tibet. To date more than 1200 taxa of the species and subspecies level has been described. Every year 2-3 new species are described. The last revision of the genus was carried out by S.Yu. Lipschitz 40 years ago. Now the number of species in the genus has increased to almost 500 species; new data on phylogeny, karyology, distribution have been received. New genera *Himalaiella* Raab-Straube and *Shangwua* Yu J.Wang, Raab-straube, Susanna & J.Quan Liu have been distinguished. In Eurasia *Saussurea* is represented by 481 species belonging to 4 subgenera (*Amphilaena* (Stschegl.) Lipsch., *Eriocoryne* (Wall. ex DC) Hook. f., *Saussurea*, *Theodorea* (Cass.) Lipsch.) and 15 sections.

Keywords: *Amphilaena*; distribution; *Eriocoryne*; *Saussurea*; subgenus; *Theodorea*

Genus *Saussurea* DC. comprises about 500 species, 481 of which grow in Eurasia and belong to 4 subgenera and 15 sections. The largest subgenus *Saussurea* includes 381 species from 8 sections (sections: *Jurineiformes* (Lipsch.) Lipsch.-3 species, *Jacea* Lipsch.-4, *Gymnocline* Franch.-21, *Laguranthera* (C. A. Meyer ex Endlicher) Lipsch.-64, *Lagurostemon* (Cass.) DC.-34, *Strictae* C. B. Clarke-61, *Rosulascentes* (Kitam.) Lipsch.-16, *Saussurea*-178). The second largest subgenus is *Eriocoryne* (Wall. ex DC) Hook. f. with 41 species belonging to 3 sections (*Pseudoeriacoryne* Lipsch.-5 species, *Eriocoryne*-30, *Cincta* Lipsch.-6). Next the subgenus *Amphilaena* (Stschegl.) Lipsch. consists of 39 species belonging to 2 sections (*Amphilaena*-35, *Pseudoamphilaena* Lipsch.-4). Smallest subgenus *Theodorea* (Cass.) Lipsch. includes 20 species belonging to 2 sections (*Theodorea*-17, *Maritinae* (Kit.) Lipsch.-3).

Materials and methods

In the work on the synopsis we used treatments of the genus for floras of China (Schen, 1996; Shi, 2011), Russia (Lipschitz, 1962, 1979; Barkalov et al., 1992; Konecznaja, 1994; Seryh et al., 1997), Europe (Tutin et al., 1976), Japan (Koyama, 1995), as well as herbarium materials of St. Petersburg (LE), Moscow (MW), Berlin (B), Beijing (PE), Paris (P), Kew (K), Geneva (G), Vienna (W), Zurich (Z), Prague (PRC), Kyoto (KYO), Frankfurt am Main (FR), Tokyo (TI), Tashkent (TASH), Novosibirsk (NS, NSK), Tomsk (TK), Vladivostok (VLA), Barnaul (ALTB). The latest data on the genus in the territory of Eurasia was also taken into account (Chen et al., 1981, 2011; Kadota, 1987, 2004, 2007, 2008, 2009, 2011, 2013, 2017; Shmakov, Smirnov, 1996, 1999; Dickore', 2001; Raab-Straube, 2003, 2017; Smirnov, 2004, 2007; Butola, Samant, 2010; Chen, 2010, 2011, 2014a-c, 2016; Chen, Gan, 2011; Koba et al., 2011; Knyasev et al., 2013; Xu et al., 2013; Wang et al., 2014; Chen, Yuan, 2015; Yuan et al., 2015; Chen, Wang, 2018; Rana et al., 2018; etc.).

Results

Genus *Saussurea* DC. 1810, Ann. Mus. Natl. Hist. Nat. 16: 156, 198, nom. cons.-*Aplotaxis* DC. 1833, Arch. Bot. (Paris), 2: 330.-*Cyathidium* Lindl. ex Royle, 1835, Illustr. Bot. Himal.: 251, t. 56.-*Eriocoryne* Wall. ex DC. 1837, Prod. 6: 514.-*Eriostemon* Less. 1832, Syn. Gen. Compos.: 12, non. Smith, 1798.-*Lagurostemon* Cass. 1828, Dict. Sci. Nat., ed. 2, 53: 466.-*Theodorea* Cass. 1827, Dict. Sci. Nat., ed. 2, 47: 500, 513.

Type: *S. alpina* (L.) DC. (*Serratula alpina* L.) (typ. cons.).

Subgenus *Eriocoryne* (Wall. ex DC) Hook. f., 1881, Fl. Brit. India 3: 376.

Sect. *Pseudoeriacoryne* Lipsch.

1. *Saussurea grandiceps* S. W. Liu, 1984, Acta Biol. Plateau Sin. 3: 69.-5000-5300 m.-China (Xizang).

2. *Saussurea kingii* C. E. C. Fisch., 1937, Bull. Misc. Inform. Kew 1937: 98.-*S. erecta* S. W. Liu, J. T. Pan & J. Quan Liu.-2900-5000 m.-China (Xizang).

3. *Saussurea stella* Maxim. 1882, Bull. Acad. Imp. Sci. Saint-Petersbourg 27: 490.-2000-5400 m.-Bhutan, China (Gansu, Sichuan, Qinghai, Xizang, Yunnan), India (Sikkim).
4. *Saussurea thomsonii* C. B. Clarke, 1876, Compos. Ind. 227.-*S. acaulis* Klatt; *S. amblyophylla* C.Winkl.-4000-5200 m.-China (Xinjiang, Qinghai, Xizang), India (Jammu and Kashmir).
5. *Saussurea thoroldii* Hemsl., 1894, J. Linn. Soc., Bot. 30: 115.-3100-5200 m.-China (Gansu, Xinjiang, Qinghai, Xizang).

Sect. *Eriocoryne*

1. *Saussurea aster* Hemsl., 1894, J. Linn. Soc., Bot. 30: 115.-3900-5400 m.-China (Sichuan, Qinghai, Xizang), India (Jammu and Kashmir).
2. *Saussurea bhutkesh* Fujik. & H. Ohba, 2002, Edinb. J. Bot. 59: 283.-4400-5300 m.-China (Xizang), Nepal.
3. *Saussurea conaensis* (S. W. Liu) Fujik. & H. Ohba, 2010, Makinoa, n.s., 8: 73.-*S. gossipiphora* D. Don var. *conaensis* S. W. Liu.-4000-4700 m.-Bhutan, China (Xizang).
4. *Saussurea depsangensis* Pamp., 1934, Lav. Ist. Bot. Reale Univ. Cagliari 22 [Aggiunte Fl. Caracorum]: 176.-4800-5400 m.-China (Xinjiang, Qinghai, Xizang), India (Jammu and Kashmir).
5. *Saussurea georgei* J. Anthony, 1934, Notes Roy. Bot. Gard. Edinb. 18: 207.-3400-5300 m.-China (Sichuan, Qinghai, Xizang, Yunnan).
6. *Saussurea glacialis* Herder, 1867, Bull. Soc. Imp. Nat. Mosc. 40(3-4): 144.-*S. chtonocephala* Bornmuller; *S. pamirica* C.Winkl.; *S. violacea* Pamp.-3800-5200 m.-Afghanistan, China (Xinjiang, Qinghai, Xizang), India (Jammu and Kashmir, Uttar Pradesh), Kazakhstan, Kyrgyzstan, Mongolia, Pakistan, Russia (West Siberia, East Siberia), Tajikistan.
7. *Saussurea gnaphalodes* (Royle ex DC) Sch. Bip., 1846, Linnaea 19: 331.-*S. sorocephala* (Schrenk) Schrenk; *Aplotaxis gnaphalodes* Royle ex DC; *A. sorocephala* Schrenk.-2700-5800 m.-Afghanistan, China (Gansu, Xinjiang, Sichuan, Qinghai, Xizang), India (Jammu and Kashmir, Uttar Pradesh, Himachal Pradesh), Kazakhstan, Kyrgyzstan, Nepal, Pakistan, Tajikistan.
8. *Saussurea gossipiphora* D. Don, 1821, Mem. Wern. Nat. Hist. Soc. 3: 414.-*S. gossipiphora* subsp. *luxuriosa* Lipsch.; *S. gossypina* Wall.; *Aplotaxis gossypina* (Wall.) DC.-4200-5000 m.-Bhutan, China (Xizang), India (Jammu and Kashmir, Sikkim, Uttar Pradesh, Himachal Pradesh), Nepal.
9. *Saussurea gyacaensis* S. W. Liu, 1984 Acta Biol. Plateau Sin. 3: 69.-4700-4900 m.-China (Xizang).
10. *Saussurea inversa* Raab-Straube, 2011, Willdenowia 41: 92.-*S. sorocephala* (Schrenk) Schrenk var. *glabrata* Hook. f.; *S. gnaphalodes* (Royle ex DC) Sch. Bip. var. *glabrata* (Hook. f.) Hand.-Mazz.; *S. hypsipeta* Diels var. *glabrata* (Hook. f.) Lipsch.-3700-5400 m.-China (Xinjiang, Qinghai, Xizang), India (Jammu and Kashmir).
11. *Saussurea kanaii* Fujik. & H. Ohba, 2002, Edinburgh J. Bot. 59: 286.-4300-4800 m.-Nepal.
12. *Saussurea laminamaensis* Kitam. 1981, Acta Phyt. Geobot. 32: 140.-3400-4900 m.-Nepal.
13. *Saussurea laniceps* Hand.-Mazz. 1937, Notizbl. Bot. Gart. Berlin-Dahlem 13: 657.-3200-5500 m.-India (Sikkim), China (Sichuan, Xizang, Yunnan).
14. *Saussurea leucoma* Diels, 1912, Notes Roy. Bot. Gard. Edinburgh 5: 197.-*S. franchetiana* H.Lév.-3200-5300 m.-China (Sichuan, Xizang, Yunnan).
15. *Saussurea lhozhangensis* Y. S. Chen, 2014, Phytotaxa, 177 (4): 200.-4330-4570 m.-China (Xizang).
16. *Saussurea medusa* Maxim. 1882, Bull. Acad. Imp. Sci. Saint-Petersbourg 27: 488.-*S. dainellii* Pamp.; *S. trullifolia* W.W.Sm.; *S. namikawae* Kitam.-3000-5600 m.-China (Gansu, Xinjiang, Sichuan, Qinghai, Xizang, Yunnan), India (Jammu and Kashmir), Nepal.
17. *Saussurea nishiokae* Kitam., 1969, Acta Phytotax. Geobot. 24: 6.-4900-5500 m.-Bhutan, China (Xizang), India (Sikkim), Nepal.
18. *Saussurea paxiana* Diels, 1922, Repert. Spec. Nov. Regni Veg. Beih. 12: 512.-3500-5000 m.-China (Gansu, Sichuan, Qinghai, Xizang, Yunnan).
19. *Saussurea pseudoleucoma* Y. S. Chen, 2015, Phytotaxa, 213 (3): 164.-4600-4800 m.-China (Xizang).
20. *Saussurea pseudosimpsoniana* Y. S. Chen, 2015, Phytotaxa, 213 (3): 166.-4800-4900 m.-China (Xizang).
21. *Saussurea pseudotridactyla* Y. S. Chen, 2015, Phytotaxa, 213 (3): 162.-3700-4530 m.-China (Xizang).
22. *Saussurea ramchaudharyi* S.K. Ghimire & H.K. Rana, 2018, Phytotaxa, 340 (3): 272.-4600-4700 m.-Nepal.
23. *Saussurea quercifolia* W.W.Sm., 1913, Notes Roy. Bot. Gard. Edinb. 8: 115.-*S. chionophora* Hand.-Mazz.; *S. hypsipeta* Diels.-3300-5300 m.-China (Sichuan, Qinghai, Xizang).
24. *Saussurea simpsoniana* (Fielding & Gardner) Lipsch. 1964, Novosti Sist. Vyssh. Rast. 1964: 319.-*S. sacra* Edgew.; *S. yushuensis* S. W. Liu & T. N. Ho; *Aplotaxis simpsoniana* Fielding & Gardner.-3700-5800 m.-China (Xinjiang, Qinghai, Xizang), India (Jammu and Kashmir, Sikkim, Uttar Pradesh, Himachal Pradesh), Nepal.
25. *Saussurea spicata* Ludl. ex Kitam. 1979, Acta Phyt. Geobot. 30: 128.-4000-5500 m.-Nepal.
26. *Saussurea sugongii* S. W. Liu & T. N. Ho, 2010, Novon 20: 174.-4800-5200 m.-China (Xinjiang).
27. *Saussurea topkegolensis* H. Ohba & S. Akiyama, 1992, Univ. Mus. Univ. Tokyo Nat. Cult. 4: 68.-4500-5200 m.-Bhutan, China (Xizang), India (north), Nepal.
28. *Saussurea tridactyla* Sch.Bip. ex Hook. f., 1881, Fl. Brit. India 3: 377.-4300-5300 m.-Bhutan, India (Sikkim), China (Xizang), Nepal.
29. *Saussurea wellbyi* Hemsl., 1899, Hooker's Icon. Pl. 26: t. 2588.-*S. hyperiophora* Hand.-Mazz.-4300-5500 m.-China (Xinjiang, Sichuan, Qinghai, Xizang).
30. *Saussurea zogangensis* Y. S. Chen, 2015, Phytotaxa, 213 (3): 168.-4400-5000 m.-China (Xizang).

Sect. **Cincta** Lipsch. 1975, Бот. журн. 60(7): 944.

1. **Saussurea atrata** W. E. Evans, 1921, Notes Bot. Gard. Edin. 13: 180.-Myanmar.
2. **Saussurea bijiangensis** Y.L.Chen ex B.Q.Xu, N.H.Xia & G.Hao, 2013, Ann. Bot. Fenn. 50(1-2): 103.-about 4400 m.-China (Yunnan).
3. **Saussurea delavayi** Franch., 1888, J. Bot. (Morot) 2: 355.-*S. hirsuta* (J. Anthony) Hand.-Mazz.-3300-4400 m.-China (Yunnan).
4. **Saussurea fistulosa** J. Anthony, 1934, Notes Roy. Bot. Gard. Edinb. 18: 206.-3400-4300 m.-China (Yunnan).
5. **Saussurea haizishanensis** B.Q. Xiu, G. Hao, N.H. Xia, 2014, Nord. J. Bot. 32: 154.-4800 m.-China (Sichuan).
6. **Saussurea uliginosa** Hand.-Mazz. 1925, Anz. Akad. Wiss. Wien, Math.-Natur. Kl. 62: 16.-*S. vittifolia* J. Anthony.-2000-4200 m.-China (Sichuan, Yunnan).

Subgenus. **Amphilaena** (Stschegl.) Lipsch. 1960, Trudy Moskovsk. Obshch. Isp. Prir., Biol. Ser. 3: 182.-*Saussurea* sect. *Amphilaena* Stschegl. 1848, Bull. Soc. Imp. Naturalistes Moscou 21(3): 244.

Sect. **Amphilaena**

1. **Saussurea acutisquama** Raab-Straube, 2011, Willdenowia, 41: 83.-*S. polycolea* Hand.-Mazz. var. *acutisquama* (Y. Ling) Lipsch.-3400-4900 m.-China (Gansu, Sichuan, Qinghai, Xizang, Yunnan).
2. **Saussurea baoxingensis** Y. S. Chen, 2010, Nordic J. Bot. 28: 761.-about 4000 m.-China (Sichuan).
3. **Saussurea bracteata** Decne.in Jacq. 1843, Voy. Inde 4(Bot.): 94.-*S. nana* (Pamp.) Pamp.; *S. schultzii* Hook. f. var. *nana* Pamp.-4500-5400 m.-China (Xinjiang, Xizang), India (Jammu and Kashmir, Uttar Pradesh, Himachal Pradesh), Nepal, Pakistan.
4. **Saussurea bogedaensis** Yu J. Wang & J. Chen, 2018, PLoS ONE 13(7): 12.-3400-3500 m.-China (Xizang).
5. **Saussurea erubescens** Lipsch. 1960, Bot. Mater. Gerb. Bot. Inst. Kom.a Akad. Nauk S.S.S.R. 20: 342.-*S. globosa* F. H. Chen var. *monocephala* Lipsch.; *S. nigrescens* Maxim. var. *acutisquama* Y. Ling; *S. uniflora* (DC) Wall. ex Sch.Bip. var. *pumila* Maxim.-2400-4900 m.-China (Gansu, Sichuan, Qinghai, Xizang).
6. **Saussurea globosa** F. H. Chen, 1935, Bull. Fan Mem. Inst. Biol., Bot. 6: 96.-*S. taipaiensis* Y. Ling-3000-4800 m.-China (Sichuan, Shaanxi, Yunnan).
7. **Saussurea glandulosissima** Raab-Straube, 2017, Englera, 34: 91.-China (Xizang).
8. **Saussurea gymnocephala** (Y. Ling) Raab-Straube, 2011, Willdenowia, 41: 89.-*S. obvallata* (DC) Sch.Bip. var. *gymnocephala* Y. Ling.-3400-4300 m.-China (Sichuan, Qinghai, Xizang).
9. **Saussurea habashanensis** Y. S. Chen, 2015, Phytotaxa, 213 (3): 171.-3800-3900 m.-China (Yunnan).
10. **Saussurea hengduanshanensis** Raab-Straube, 2017, Englera, 34: 99.-3200-4500 m.-China (Xizang), Myanmar (Burma).
11. **Saussurea hookeri** C. B. Clarke, 1876, Compos. Ind. 230.-4300-5300 m.-Bhutan, China (Sichuan, Qinghai, Xizang), India (Sikkim, Uttar Pradesh), Nepal.
12. **Saussurea iodostegia** Hance, 1878, J. Bot. 16: 109.-*S. iodostegia* var. *ferruginipes* J. R. Drummond ex Hand.-Mazz.; *S. iodostegia* var. *glandulifera* X. Y. Wu.-1300-3500 m.-China (Inner Mongolia, Gansu, Ningxia, Shanxi, Shaanxi, Henan).
13. **Saussurea involucrata** (Kar. & Kir.) Sch.Bip., 1846, Linnaea 19: 331.-*S. involucrata* var. *axillicalthina* J. S. Li; *S. ischnoides* J. S. Li; *S. Karelinii* Stscheglejew; *S. lioui* Y. Ling; *S. polylada* J. S. Li; *Aplotaxis involucrata* Kar. & Kir.-2400-4100 m.-China (Xinjiang), Kazakhstan, Kyrgyzstan, Mongolia.
14. **Saussurea jindongensis** Y. S. Chen, 2015, Phytotaxa, 213 (3): 171.-4800-4900 m.-China (Xizang).
15. **Saussurea kawakarpo** Raab-Straube, 2017, Englera, 34: 95.-3800-4500 m.-China (Yunnan, Xizang).
16. **Saussurea krasnoborovii** S.V.Smirn. 2004, Turczaninowia 7(4): 13.-Mongolia, Russia (Altai, Sayan).
17. **Saussurea linearifolia** Ludl., 1956, Bull. Brit. Mus. (Nat. Hist.), Bot. 2: 72.-Nepal.
18. **Saussurea luae** Raab-Straube, 2009, Willdenowia 39: 103.-4000-5000 m.-China (Sichuan, Xizang).
19. **Saussurea muliensis** Hand.-Mazz. 1937, Notizbl. Bot. Gart. Berlin-Dahlem 13: 656.-4300-4400 m. -China (Sichuan).
20. **Saussurea nigrescens** Maxim. 1882, Bull. Acad. Imp. Sci. Saint-Petersbourg 27: 491.-1900-4000 m.-China (Gansu, Shanxi, Henan, Qinghai).
21. **Saussurea obvallata** (DC) Sch. Bip., 1846, Linnaea 19: 331. -*Aplotaxis obvallata* DC.-3200-5200 m.-Bhutan, China (Sichuan, Qinghai, Xizang, Yunnan), India (Arunachal Pradesh, Jammu and Kashmir, Sikkim, Uttar Pradesh, Himachal Pradesh), Myanmar (north), Nepal, Pakistan.
22. **Saussurea orgadayi** Khan. & Krasnob. 1984, Izv. Sibirsk. Otd. Akad. Nauk S.S.S.R. 13(2): 15.-*S. racemosa* Zhirova et Krasnikov.-1800-3000 m.-China (Xinjiang-Altai), Mongolia, Russia (Altai).
23. **Saussurea orientalis** (Diels) Raab-Straube, 2017, Englera, 34: 111.-*Saussurea obvallata* var. *orientalis* Diels, 1901, Bot. Jahrb. Syst. 29: 623.-4200-4350 m.-China (Sichuan).
24. **Saussurea pilinophylla** Diels, 1922, Repert. Spec. Nov. Regni Veg. Beih. 12: 513.-*S. tunicata* Hand.-Mazz.-4000-5300 m.-China (Сычуань, Qinghai, Xizang).
25. **Saussurea pubifolia** S. W. Liu, 1984, Acta Biol. Plateau Sin. 3: 70.-4500-5200 m.-China (Xizang).

26. *Saussurea schultzei* Hook. f., 1881, Fl. Brit. India 3: 366.-5000-5200 m.-China (Xinjiang), India (Jammu and Kashmir, north), Pakistan.
27. *Saussurea septentrionalis* Raab-Straube, 2017, Englera, 34: 103.-4200-4700 m.-China (Sichuan, Qinghai).
28. *Saussurea sichuanica* Raab-Straube, 2017, Englera, 34: 107.-3700-4800 m.-China (Sichuan).
29. *Saussurea sikkimensis* Raab-Straube, 2017, Englera, 34: 86.-3200-5000 m.-Bhutan, China (Xizang), India (Sikkim), Nepal.
30. *Saussurea sunhangii* Raab-Straube, 2017, Englera, 34: 122.-4300-4750 m.-China (Yunnan).
31. *Saussurea tangutica* Maxim. 1882, Bull. Acad. Imp. Sci. Saint-Petersbourg 27: 489.-*S. tangutica* var. *bayankaraensis* W. Y. Wang.-3600-5300 m.-China (Gansu, Sichuan, Qinghai, Xizang).
32. *Saussurea uniflora* (DC) Wall. ex Sch.Bip., 1846, Linnaea 19: 330.-*S. conica* C. B. Clarke; *S. uniflora* var. *conica* (C. B. Clarke) Lipsch.; *S. uniflora* var. *sinensis* J. Anthony; *Aplotaxis uniflora* DC.-3600-4800 m.-Bhutan, China (Xizang), India (Sikkim, West Bengal), Kazakhstan, Kyrgyzstan, Nepal.
33. *Saussurea veitchiana* J.R.Drumm. & Hutch., 1911, Bull. Misc. Inform. Kew 1911: 190.-1600-3000 m.-China (Chongqing, Hubei, Hubei.).
34. *Saussurea velutina* W.W.Sm., 1920, Notes Roy. Bot. Gard. Edinburgh 12: 221.-4000-5500 m.-China (Sichuan, Xizang, Yunnan).
35. *Saussurea wettsteiniana* Hand.-Mazz. , 1920, Anz. Akad. Wiss. Wien, Math.-Naturwiss. Kl. 57: 144.-3200-4300 m.-China (Sichuan, Yunnan).

Sect. *Pseudoamphilaena* Lipsch.

1. *Saussurea longifolia* Franch., 1888, J. Bot. (Morot) 2: 354.-3000-4700 m.-China (Sichuan, Xizang, Yunnan).
2. *Saussurea phaeantha* Maxim. 1882, Bull. Acad. Imp. Sci. Saint-Petersbourg, 27: 489.-*S. tsarongensis* J. Anthony.-2500-4800 m.-China (Gansu, Sichuan, Qinghai, Xizang, Yunnan).
3. *Saussurea polycolea* Hand.-Mazz. 1937, Notizbl. Bot. Gart. Berlin-Dahlem 13: 654.-*S. nidularis* Hand.-Mazz.-3200-4700 m.-China (Sichuan, Xizang, Yunnan).
4. *Saussurea wenchengiae* B.Q.Xu, G.Hao & N.H.Xia, 2013, Ann. Bot. Fenn. 50(1-2): 83.-4200-4600 m.-China (Qinghai).

Subgen. *Theodorea* (Cass.) Lipsch. 1961, Not. Syst. Herb. Inst. Bot. Acad. Sc. URSS, 21: 379.-*Theodorea* Cass. 1827, Dict. Sci. Nat., ed. 2. 47: 500, 513.

Sect. *Theodorea*

1. *Saussurea alata* DC, 1810, Ann. Mus. Natl. Hist. Nat. 16: 202.-*S. runcinata* DC var. *dentata* Ledeb.-500-1200 m.-China (Inner Mongolia, Xinjiang), Mongolia, Russia (East Siberia).
2. *Saussurea amara* (L.) DC, 1810, Ann. Mus. Natl. Hist. Nat. 16: 200.-*Serratula amara* L., Sp. Pl. 2: 819. 1753; *Saussurea amara* var. *glomerata* (Poirot) Trautv.; *S. amara* f. *microcephala* Franch.; *S. glomerata* Poirot; *S. tenuicaulis* Y. Ling.-500-3200 m.-China (Inner Mongolia, Gansu, Jilin, Liaoning, Ningxia, Xinjiang, Sichuan, Shanxi, Shaanxi, Hebei, Heilongjiang, Henan, Qinghai), Kazakhstan, Kyrgyzstan, Mongolia, Russia (European Part, West Siberia, East Siberia, Far East), Tajikistan, Ukraine, Uzbekistan.
3. *Saussurea ceterachifolia* Lipsch. 1954, Бюлл. Моск. общ. испыт. прир., отд. биол. 59, 6: 73.-Mongolia, Russia (Tuva).
4. *Saussurea chingiana* Hand.-Mazz. 1937, Notizbl. Bot. Gart. Berlin-Dahlem 13: 647.-2400 m.-China (Gansu).
5. *Saussurea grubovii* Lipsch. 1961, Bot. Mater. Gerb. Bot. Inst. Kom.a Akad. Nauk S.S.S.R. 21: 366.-*Saussurea paradoxa* Lipsch.-400-1900-China (Xinjiang), Kazakhstan, Mongolia.
6. *Saussurea japonica* (Thunb.) DC, 1810, Ann. Mus. Natl. Hist. Nat. 16: 203.-*Serratula japonica* Thunb.; *S. intermedia* Turcz.; *S. linearis* Champion ex Benth; *S. microcephala* Franch.-200-2900 m.-China (Anhui, Inner Mongolia, Gansu, Jilin, Guangdong, Гуанси, Guizhou, Liaoning, Ningxia, Sichuan, Fujian, Shandong, Shanxi, Shaanxi, Hubei, Hunan, Hebei, Heilongjiang, Henan, Zhejiang, Jiangsu, Цзянси, Qinghai, Тайвань, Xizang, Yunnan), Korea, Mongolia, Japan (Kyushu).
7. *Saussurea jurineoides* H. C. Fu, 1993, in Ma, Fl. Intramongol., ed. 2, 4: 847.-2400-2500 m.-China (Inner Mongolia, Gansu, Ningxia, Xinjiang, Shanxi).
8. *Saussurea laciniata* Ledeb. 1829, Icon. Pl. 1: 16.-*S. alata* DC var. *laciniata* (Ledeb.) Herder; *S. laciniata* var. *pygmaea* Lipsch.-1300-2200 m.-China (Inner Mongolia, Gansu, Ningxia, Xinjiang, Shanxi), Kazakhstan, Mongolia, Russia (Tuva).
9. *Saussurea malitiosa* Maxim. 1882, Bull. Acad. Imp. Sci. Saint-Petersbourg 27: 493.-3000-4300 m.-China (Gansu, Qinghai).
10. *Saussurea neopulchella* Lipsch. 1961, Not. Syst. Herb. Inst. Bot. Acad. Sci. URSS, 21: 380.-Russia (Far East).
11. *Saussurea prostrata* C.Winkl. 1886, Trudy Imp. S.-Peterburgsk. Bot. Sada 9: 518.-500-2500 m.-China (Xinjiang), Kazakhstan, Kyrgyzstan.
12. *Saussurea pseudomalitiosa* Lipsch. 1954, Byull. Moskovsk. Obshch. Isp. Pri., Otd. Biol. 59(6): 76.-3300-4200 m.-China (Qinghai).
13. *Saussurea pulchella* (Fisch.) Fisch. 1834, in Colla, Herb. Pedem. 3: 234.-*Heterotrichum pulchellum* Fisch.; *Saussurea japonica* (Thunb.) DCe var. *alata* (Regel) Kom.; *S. japonica* var. *subtomentosa* Kom.; *Saussurea nakagawae* Kadota.-300-2200 m.-China (Inner Mongolia, Jilin, Liaoning, Shaanxi, Hebei, Heilongjiang), Korea, Mongolia, Russia (East Siberia, Far East), Japan (Kyushu, Shikoku, Hokkaido, Honshu).
14. *Saussurea ramosa* Lipsch. 1954, Byull. Moskovsk. Obshch. Isp. Pri., Otd. Biol. 59(6): 72.-Mongolia.
15. *Saussurea robusta* Ledeb. 1829, Icon. Pl. 1: 16.-700-2000 m.-China (Xinjiang), Kazakhstan, Mongolia, Russia (West Siberia).

16. **Saussurea runcinata** DC, 1810, Ann. Mus. Natl. Hist. Nat. 16: 202.-*S. alata* DC var. *runcinata* (DC) Herder; *S. crepidifolia* Turcz.-700-1300 m.-China (Inner Mongolia, Jilin, Ningxia, Shanxi, Shaanxi, Hebei, Heilongjiang), Mongolia, Russia (East Siberia).
 17. **Saussurea tsoongii** Y. S. Chen, 2015, Phytotaxa, 213 (3): 169.-2800-3800 m.-China (Sichuan, Qinghai, Xizang).

Sect. **Maritinae** (Kit.) Lipsch. 1972, Bot. Zhurn. (Moscow & Leningrad), 57 (4): 528.

1. **Saussurea chinnampoensis** H.Lév. & Vaniot, 1909, Bull. Acad. Int. Geogr. Bot. 20: 145.-*S. chinnampoensis* var. *gracilis* H. C. Fu & D. S. Wen; *S. peipingensis* F. H. Chen.-1200 m.-China (Inner Mongolia, Liaoning, Shaanxi, Hebei), Korea.
2. **Saussurea ladyginii** Lipsch. 1954, Byull. Moskovsk. Obshch. Isp. Prir., Otd. Biol. 59(6): 77.-3500 m.-China (Qinghai).
3. **Saussurea pinnatidentata** Lipsch. 1972, Bot. Zhurn. 57: 524.-*S. runcinata* DC var. *pinnatidentata* (Lipsch.) A. C. Fu & D. C. Wen.-2200-3200 m.-China (Inner Mongolia, Gansu, Qinghai).
4. **Saussurea nematolepis** Y. Ling, 1949, Contr. Inst. Bot. Natl. Acad. Peiping 6: 67.-1500-3800 m.-China (Gansu, Sichuan, Qinghai).

Subgen. **Saussurea**

Sect. **Jurineiformes** (Lipsch.) Lipsch. 1962, in Schischkin & Bobrov, Fl. URSS, 27: 512.-*Saussurea* ser. *Jurineiformes* Lipsch. 1958, Bot. Zhurn. 43: 452.

1. **Saussurea chondrilloides** C.Winkl., 1889, Trudy Imp. S.-Peterburgsk. Bot. Sada 11: 169.-*S. aphylla* K. H. Rechinger; *S. rupestris* Hemsl. & Lace; *Jurinea chondrilloides* (C.Winkl.) O. Fedtschenko; *Theodorea chondrilloides* (C. Winkl.) Kuntze.-1800-2800 m.-Afghanistan, China (Xizang), Pakistan, Tajikistan, Uzbekistan.
2. **Saussurea crupinastrum** (Bornm.) Lipsch. 1964, Novit. Syst. Pl. Vasc., Acad. Sci. URSS, 335.-*Jurinea crupinastrum* Bornm.; *Stechmannia crupinastrum* (Bornm.) Soják.-Afghanistan.
3. **Saussurea leptophylla** Hemsl. 1888, Hooker's Icon. Pl. 18: t. 1734.-*S. nuristanica* (Bornm.) Rech. fil.; *Jurinea ancistrophylla* Boiss.; *J. nuristanica* Bornm.; *J. tschitralensis* Bornm.; *S. nuristanica* (Bornm.) Soják; *S. tschitralensis* (Bornm.) Soják.-about 4000 m.-Afghanistan, India (Jammu and Kashmir), Nepal, Pakistan.

Sect. **Jacea** Lipsch. 1954, Bot. Mater. Gerb. Bot. Inst. Kom. Akad. Nauk S.S.S.R. 16: 441.-*Shangwua* Yu J. Wang, Raab-Straube, Susanna & J. Quan Liu

1. **Saussurea fastuosa** (Decaisne) Sch. Bip. 1846, Linnaea 19: 331.-*Aplotaxis fastuosa* Decne; *A. denticulata* DC; *A. denticulata* var. *glabrata* DC; *A. denticulata* var. *hypoleuca* DC; *Saussurea denticulata* (DC.) Wall. ex C. B. Clarke (1876), not Ledeb. (1829); *S. forrestii* Diels; *S. glabrata* (DC.) C. Shih.-2400-4000 m.-Bhutan, China (Sichuan, Xizang, Yunnan), India (Sikkim, Uttar Pradesh, Himachal Pradesh), Myanmar (north), Nepal.
2. **Saussurea jacea** (Kl.) C.B. Clarke, 1876, Compos. Ind. 233.-*Aplotaxis jacea* Kl.-2900-4900 m.-Afghanistan, India (Jammu and Kashmir, Himachal Pradesh), Pakistan.
3. **Saussurea masarica** Lipsky, 1900, Trudy Imp. S.-Peterburgsk. Bot. Sada 18(1): 81. -Tajikistan.
4. **Saussurea adshikorum** Iljin & Gontsch. 1933, Izvest. Tadzhih. Baz. Akad. Nauk SSSR, Bot. 1. 1: 67.-Tajikistan.

Sect. **Gymnocline** Franch. 1888, J. Bot. (Morot) 2: 311.-Sect. *Acaules* C.B. Clarke.

1. **Saussurea apus** Maxim. 1882, Bull. Acad. Imp. Sci. Saint-Petersbourg 27: 490.-*Saussurea humilis* Ostenfeld; *S. koslowii* C.Winkl.-4000-5400 m.-China (Gansu, Qinghai, Xizang).
2. **Saussurea bella** Y. Ling, 1949, Contr. Inst. Bot. Natl. Acad. Peiping 6: 87.-*S. haoi* Y. Ling ex Y. L. Chen.-3200-4500 m.-China (Qinghai, Xizang).
3. **Saussurea ciliaris** Franch. 1888, J. Bot. (Morot) 2: 337.-*S. ciliaris* var. *major* Y. Ling.-2600-4400 m.-China (Sichuan, Yunnan).
4. **Saussurea cochleariifolia** Y. L. Chen & S. Yun Liang, 1981, Acta Phytotax. Sin. 19: 104. - about 4000 m.-China (Xizang), India (Sikkim).
5. **Saussurea columnaris** Hand.-Mazz. 1937, Notizbl. Bot. Gart. Berlin-Dahlem 13: 652.-3000-4700 m.-Bhutan, China (Sichuan, Xizang, Yunnan), India (Jammu and Kashmir).
6. **Saussurea coriolepis** Hand.-Mazz. 1940, Oesterr. Bot. Z. 89: 60.-about 4000 m.-China (Sichuan).
7. **Saussurea sudhanshui** Hajra, 1983, in Indian For. 109(2): 77.-4500-4800 m.-India (Uttar Pradesh)
8. **Saussurea katochaete** Maxim. 1882, Bull. Acad. Imp. Sci. Saint-Petersbourg 27: 491.-*S. anochaete* Hand.-Mazz.; *S. katochaete* var. *caulescens* Lipsch.; *S. katochaetoides* Hand.-Mazz.; *S. rohmoana* C. Marquand & Airy Shaw.-2200-4800 m.-Bhutan, China (Gansu, Sichuan, Qinghai, Xizang, Yunnan), India (Sikkim).
9. **Saussurea melanotricha** Hand.-Mazz. 1924, Anz. Akad. Wiss. Wien, Math.-Naturwiss. Kl. 61: 204.-*S. xanthotricha* Hand.-Mazz.-3500-4700 m.-China (Sichuan, Yunnan).
10. **Saussurea minuta** C.Winkl. 1894, Trudy Imp. S.-Peterburgsk. Bot. Sada 13: 243.-*S. lancifolia* Hand.-Mazz.-3500-4900 m.-China (Gansu, Sichuan, Qinghai).
11. **Saussurea montana** J. Anthony, 1934, Notes Roy. Bot. Gard. Edinburgh 18: 208.-3600-4600 m.-China (Sichuan, Yunnan).
12. **Saussurea ovatifolia** Y. L. Chen & S. Yun Liang, 1981, Acta Phytotax. Sin. 19: 102.-4200-5200 m.-China (Qinghai, Xizang).
13. **Saussurea platyphyllaria** Ludl. 1956, Bull. Brit. Mus. (Nat. Hist.), Bot. 2: 73.-India (Himalayas), Nepal.
14. **Saussurea poochlamys** Hand.-Mazz. 1925, Anz. Akad. Wiss. Wien, Math.-Naturwiss. Kl. 62: 15.-3200-4300 m.-China (Sichuan, Yunnan).
15. **Saussurea pseudoplatyphyllaria** Y. S. Chen, 2015, Phytotaxa, 213 (3): 173.-4000-4300 m.-China (Sichuan).

16. *Saussurea pulviniformis* C.Winkl. 1891, Trudy Imp. S.-Peterburgsk. Bot. Sada 11: 377.-2100-3500 m. -China (Xinjiang-Tien Shan).
17. *Saussurea pumila* C.Winkl. 1894, Trudy Imp. S.-Peterburgsk. Bot. Sada 13: 244.-3600-4700 m.-China (Sichuan, Qinghai, Xizang).
18. *Saussurea spatulifolia* Franch. 1888, J. Bot. (Morot) 2: 338.-3000-4600 m.-China (Sichuan, Yunnan).
19. *Saussurea subulata* C. B. Clarke, 1876, Compos. Ind. 226.-*S. setifolia* Klatt.-4100-5300 m.-Афганистан, China (Gansu, Xinjiang, Qinghai, Xizang), India (Jammu and Kashmir).
20. *Saussurea werneroides* Sch. Bip. ex Hook. f., 1881, Fl. Brit. India 3: 367.-4200-5400 m.-Bhutan, China (Sichuan, Xizang, Yunnan), India (Jammu and Kashmir, Sikkim), Nepal.
21. *Saussurea yui* Y. S. Chen, 2015, Phytotaxa, 213 (3): 176.-3800-4200 m.-China (Sichuan).

Sect. *Laguranthera* (C. A. Meyer ex Endlicher) Lipsch. 1959, Bot. Mater. Gerb. Inst. Bot. Akad. Nauk Uzbeksk. S.S.R. 15: 17.-*Saussurea* [unranked] *Laguranthera* C. A. Meyer ex Endlicher; *Heterotrichum* M. Bieberstein.

1. *Saussurea acroua* Cummins, 1908, Bull. Misc. Inform. Kew 1908: 19.-2100-3600 m.-China (Gansu, Sichuan).
2. *Saussurea aerjingensis* K. M. Shen, 1998, Acta Phytotax. Sin. 36: 275.-1900-3000 m.-China (Xinjiang).
3. *Saussurea alberti* Regel & C.Winkl. 1880, Trudy Imp. S.-Peterburgsk. Bot. Sada 6: 298.-2700-2900 m.-China (Xinjiang), Kyrgyzstan.
4. *Saussurea bartholomewii* S. W. Liu & T. N. Ho, 2010, Novon 20: 172.-about 3600 m.-China (Qinghai).
5. *Saussurea blanda* Schrenk, 1842, Bull. Sci. Acad. Imp. Sci. Saint-Petersbourg 10: 354.-*S. konuroba* Saposhn.-about 1600 m.-China (Xinjiang), Kazakhstan.
6. *Saussurea caespitans* Iljin, 1922, Not. Syst. Herb. Hort. Petrop. 3: 10a.-Kazakhstan, Kyrgyzstan.
7. *Saussurea cana* Ledeb. 1829, Icon. Pl. 1: 18.-*S. cana* var. *angustifolia* Ledeb.; *S. fruticulosa* Kar. & Kir.-800-2800 m.-China (Inner Mongolia, Gansu, Ningxia, Xinjiang, Sichuan, Shaanxi), Kazakhstan, Russia (West Siberia).
8. *Saussurea canescens* C.Winkl. 1889, Trudy Imp. S.-Peterburgsk. Bot. Sada 11: 168. -1600-2500 m.-China (Xinjiang), Kazakhstan.
9. *Saussurea catharinae* Lipsch. 1974, Bot. Zhurn., 59 (11): 1603.-m.-Mongolia.
10. *Saussurea chinensis* (Maxim.) Lipsch. 1966, Bot. Zhurn. 51: 1496.-*S. salicifolia* (L.) DC var. *chinensis* Maxim.; *S. denticulata* Ledeb. var. *chinensis* (Maxim.) Y. Ling.-1900-2300 m.-China (Hebei).
11. *Saussurea chrysanthemoides* F. H. Chen, 1935, Bull. Fan Mem. Inst. Biol., Bot. 6: 97 ["*chrysanthemumoides*"].-about 4000 m.-China (Yunnan).
12. *Saussurea compta* Franch. 1896, J. Bot. (Morot) 10: 422.-2300-2600 m.-China (Yunnan).
13. *Saussurea conyzoides* Hemsl. 1892, J. Linn. Soc., Bot. 29: 309.-*S. oppositicolor* H.Lév. & Vaniot; *S. rosthornii* Diels var. *oppositicolor* (H.Lév. & Vaniot) F. H. Chen ex Hand.-Mazz.; *S. silvestrii* Pamp.-1000-2300 m.-China (Guizhou, Sichuan, Shanxi, Hebei, Henan).
14. *Saussurea coronata* Schrenk, 1845, Bull. Cl. Phys.-Math. Acad. Imp. Sci. Saint-Petersbourg 3: 107.-*S. dshungarica* Iljin.-1400-2100 m.-China (Xinjiang), Kazakhstan, Mongolia.
15. *Saussurea daurica* Adams, 1834, Nouv. Mem. Soc. Imp. Naturalistes Moscou 3: 251.-*S. crassifolia* DC var. *papposa* (Turcz. ex DC) Ledeb.; *S. papposa* Turcz. ex DC; *S. salsa* (Pall.) Spreng. var. *papposa* (Turcz. ex DC) Ledeb.-1000-3600 m.-China (Inner Mongolia, Gansu, Ningxia, Xinjiang, Sichuan, Shaanxi, Heilongjiang, Qinghai), Mongolia, Russia (West Siberia, East Siberia).
16. *Saussurea deserticola* H. C. Fu, 1981, J. Inner Mongolia Inst. Agric. Anim. Husb. 1: 50.-1300-1400 m.-China (Inner Mongolia).
17. *Saussurea dolichopoda* Diels, 1901, Bot. Jahrb. Syst. 29: 623.-*S. saligniformis* Hand.-Mazz.; *S. wilsoniana* Hand.-Mazz. -1400-3700 m.-China (Gansu, Guizhou, Sichuan, Hebei, Henan, Shanxi, Yunnan).
18. *Saussurea elata* Ledeb. 1829, Icon. Pl. 1: 20.-China (Xinjiang), Kazakhstan, Russia (West Siberia).
19. *Saussurea elegans* Ledeb. 1829, Icon. Pl. 1: 19.-*S. amoena* Kar. & Kir.; *S. elegans* var. *latifolia* Kar. & Kir.; *S. elegans* var. *nivea* Lipsch.; *S. salicifolia* (L.) DC var. *elegans* (Ledeb.) Trautv.; *S. tenuis* Ledeb.-1100- 3200 m.-China (Xinjiang), Kazakhstan, Kyrgyzstan, Mongolia, Russia (West Siberia), Tajikistan, Uzbekistan.
20. *Saussurea famintziniana* Krasn., 1887, Bot. Zap. 2(1): 71.-*S. colorata* C.Winkl.-3700-4200 m.-China (Xinjiang), Kazakhstan, Kyrgyzstan, Tajikistan.
21. *Saussurea flexuosa* Franch., J. Bot. (Morot) 8: 341. 1894.-*S. tsinlingensis* Hand.-Mazz.-1300-2000 m.-China (Gansu, Guangdong, Sichuan, Hebei, Henan, Shanxi).
22. *Saussurea griffithii* Boiss. 1856, Diagn. Ser. II. 3: 47.-*Theodorea griffithii* (Boiss.) Kuntze.-Afghanistan.
23. *Saussurea inaensis* Kitam. 1940, Acta Phytotax. & Geobot., Kyoto, 9: 242.-Japan (Honshu).
24. *Saussurea integrifolia* Hand.-Mazz. 1938, Acta Horti Gothob. 12: 313.-2000-3500 m.-China (Sichuan, Yunnan).
25. *Saussurea ispajensis* Iljin, 1938, Not. Syst. Herb. Inst. Bot. Acad. Sci. URSS, 7: 250.-Kazakhstan, Kyrgyzstan.
26. *Saussurea kanzanensis* Kitam. 1939, Acta Phytotax. Geobot. 8: 75.-about 3500 m.-China (Taiwan).
27. *Saussurea kara-artscha* Saposhn. 1926, Bot. Mater. Gerb. Glavn. Bot. Sada S.S.S.R. 6: 31.-Kyrgyzstan.
28. *Saussurea kaschgarica* Rupr. 1869, Mem. Acad. Imp. Sci. Saint Petersburg, Ser. 7, 14(4): 54.-about 3200 m.-China (Xinjiang), Kyrgyzstan.
29. *Saussurea lacostei* Danguy, 1908, J. Bot. (Morot) 21: 52.-2600-3000 m.-China (Xinjiang).
30. *Saussurea licentiana* Hand.-Mazz. 1936, Oesterr. Bot. Z. 85: 222.-*S. salicifolia* (L.) DC var. *shensiensis* Y. Ling.-1900-3300 m.-China (Gansu, Sichuan, Hebei, Shanxi).

31. *Saussurea lipschitzii* Filat. 1966, Fl. Kazakhst. 9: 258, 570.-m.-Kazakhstan, Mongolia.
32. *Saussurea larionowii* C.Winkl. 1891, Trudy Imp. S.-Peterburgsk. Bot. Sada 11: 376.-*S. takhtadganii* Lipsch.-1800-3800 m.-China (Xinjiang), Kazakhstan, Kyrgyzstan.
33. *Saussurea lomatolepis* Lipsch. 1954, Byull. Moskovsk. Obshch. Isp. Prir., Otd. Biol. 59(6): 80.-1300-2700 m.-China (Xinjiang).
34. *Saussurea mae* H. C. Fu, 1993, Fl. Intramongol., ed. 2, 4: 848.-about 2400 m.-China (Inner Mongolia).
35. *Saussurea maximowiczii* Herder, 1868, Bull. Soc. Imp. Naturalistes Moscou 41(3): 14.-*S. hakonensis* Franch. & Savatier; *S. triceps* H.Lév. & Vaniot.-100-1000 m.-China (Inner Mongolia, Jilin, Heilongjiang), Japan (Kyushu, Shikoku, Honshu), Korea, Russia (Far East).
36. *Saussurea megaphylla* (X. Y. Wu) Y. S. Chen, 1985, 2011, J. Syst. Evol. 49: 160.-*S. carduiformis* Franch. var. *megaphylla* X. Y. Wu.-1800-2000 m.-China (Shanxi).
37. *Saussurea mikeschii* Iljin, 1938, Not. Syst. Herb. Inst. Bot. Acad. Sci. URSS, 7: 248.-Kazakhstan
38. *Saussurea modesta* Kitam. 1933, Acta Phytotax. & Geobot., 2: 46.-*S. kirigaminensis* Kitam.-Japan (Honshu).
39. *Saussurea mucronulata* Lipsch. 1954, Byull. Moskovsk. Obshch. Isp. Prir., Otd. Biol. 59(6): 80.-2100-3000 m.-China (Xinjiang).
40. *Saussurea niniae* Iljin, 1942, Journ. Bot. URSS, 27: 145.-Kazakhstan.
41. *Saussurea ovata* Benth. 1873, in G. Henderson & Hume, Lahore to Yarkand, 325.-*S. pseudocolorata* Danguy.-2400-4300 m.-China (Xinjiang), India (Jammu and Kashmir), Tajikistan.
42. *Saussurea petrovii* Lipsch. 1972, Bot. Zhurn. 57: 524.-1700-2500 m.-China (Inner Mongolia, Gansu, Ningxia), Kazakhstan.
43. *Saussurea polycephala* Hand.-Mazz. 1938, Acta Horti Gothob. 12: 313.-*S. thibetica* Franch, not *S. xizangica* C.Winkl. (1894); *S. leucota* Hand.-Mazz.-1200- m.-China (Sichuan, Hebei).
44. *Saussurea popovii* Lipsch. 1954, Byull. Moskovsk. Obshch. Isp. Prir., Otd. Biol. 59(6): 82.-500-700 m.-China (Xinjiang), Mongolia.
45. *Saussurea pricei* N.D.Simpson, 1913, Journ. L. Soc., Bot. 41: 426.-*S. sumnevici* Serg.-Kazakhstan, Mongolia, Russia (West Siberia).
46. *Saussurea pseudoblanda* Lipsch. ex Filat. 1966, Fl. Kazakhst. 9: 261, 570.-Kazakhstan.
47. *Saussurea pseudosalsa* Lipsch. 1954, Byull. Moskovsk. Obshch. Isp. Prir., Otd. Biol. 59(6): 79.-2700-2800 m.-China (Inner Mongolia, Gansu, Xinjiang, Qinghai), Kyrgyzstan, Mongolia.
48. *Saussurea pteridophylla* Hand.-Mazz. 1936, Symb. Sin. 7: 1149.-about 3000 m.-China (Sichuan).
49. *Saussurea pulchra* Lipsch. 1959, Bot. Mater. Gerb. Bot. Inst. Kom.a Akad. Nauk S.S.S.R. 19: 389.-*Hemisteptia pulchra* (Lipsch.) Sojak.-1900-3100 m.-China (Gansu, Qinghai).
50. *Saussurea pulvinata* Maxim. 1882, Bull. Acad. Imp. Sci. Saint-Petersbourg 27: 493.-*S. ruoqi*angensis K. M. Shen.-2900-4300 m.-China (Gansu, Xinjiang, Qinghai).
51. *Saussurea rigida* Ledeb. 1829, Ic. Pl. Ross. 1: 19. t. 79.-*Theodorea rigida* (Ledeb.) Kuntze.-Kazakhstan, Russia (Altai).
52. *Saussurea salemannii* C.Winkl. 1889, Trudy Imp. S.-Peterburgsk. Bot. Sada 11: 166.-1600-2200 m.-China (Xinjiang), Kazakhstan.
53. *Saussurea salicifolia* (L.) DC, 1810, Ann. Mus. Natl. Hist. Nat. 16: 200.-*Serratula salicifolia* L.-1600-3800 m.-China (Inner Mongolia, Gansu, Heilongjiang), Mongolia, Russia (West Siberia, Вост. Сиб).
54. *Saussurea saligna* Franch. 1894, J. Bot. (Morot) 8: 345.-1200-2500 m.-China (Guizhou, Shanxi).
55. *Saussurea salsa* (Pall.) Spreng. 1826, Syst. Veg. 3: 381.-*Serratula salsa* Pall.; *Heterotrichum salsum* (Pall.) M. Bieb.; *S. crassifolia* DC.-100-3300 m.-Afghanistan, China (Inner Mongolia, Gansu, Ningxia, Xinjiang, Qinghai), Iran, Kazakhstan, Kyrgyzstan, Mongolia, Russia (European Part, Ural, West Siberia), Tajikistan, Ukraine, Uzbekistan.
56. *Saussurea serratuloides* Turcz. 1847, Bull. Soc. Nat. Mosr. 20: (1847) II. 35.-Russia (Altai).
57. *Saussurea sutchuenensis* Franch. 1894, J. Bot. (Morot) 8: 353.-*S. dutaillyana* Franch. var. *macrocephala* (Y. Ling) X. Y. Wu; *S. dutaillyana* var. *shensiensis* Y. Y. Pai; *S. rufostrigillosa* Y. Ling; *S. rufostrigillosa* var. *macrocephala* Y. Ling.-700-2000 m.-China (Guizhou, Hebei, Henan, Shanxi).
58. *Saussurea tianshuiensis* X. Y. Wu, 1989, Fl. Loess-Plat. Sin. 5: 520.-1800-2500 m.-China (Gansu, Ningxia, Shaanxi).
59. *Saussurea turgaiensis* B. Fedtschenko, 1910, Repert. Spec. Nov. Regni Veg. 8: 497.-200-700 m.-China (Xinjiang), Kazakhstan, Kyrgyzstan, Russia (European Part, West Siberia), Tajikistan.
60. *Saussurea variiloba* Y. Ling, 1949, Contr. Inst. Bot. Natl. Acad. Peiping 6: 71.-1900-2700 m.-China (Gansu, Sichuan, Qinghai).
61. *Saussurea virgata* Franch. 1894, J. Bot. (Morot) 8: 340.-2800-3400 m.-China (Yunnan).
62. *Saussurea vedenskyi* Lipsch. 1959, Not. Syst. Herb. Inst. Bot. Acad. Sci. Uzbekistan. 15: 16.-Kazakhstan, Kyrgyzstan.
63. *Saussurea yabulaiensis* Y. Y. Yao, 1992, Fl. Desert. Reipubl. Popularis Sin. 3: 472.-1300-1400 m.-China (Inner Mongolia).
64. *Saussurea zhuxiensis* Y. S. Chen & Q. L. Gan, 2011, J. Syst. Evol. 49: 160.-about 900 m.-China (Hebei).

Sect. *Lagurostemon* (Cass.) DC, 1838, Prodr. 6: 532.-*Lagurostemon* Cass.; Sect. *Pycnocephala* Lipsch.

1. *Saussurea baicalensis* (Adams) B. L. Rob. 1911, Proc. Amer. Acad. Arts 47: 216.-*Liatris baicalensis* Adams; *Saussurea calobotrys* Diels; *S. pycnocephala* Ledeb.-2000-3200 m.-China (Hebei), Mongolia, Russia (West Siberia, East Siberia).
2. *Saussurea bhutanensis* Y. S. Chen, 2014, Phytotaxa, 177 (4): 199.-4500-4900 m.-Bhutan, China (Xizang).
3. *Saussurea brunneopilosa* Hand.-Mazz. 1937, Notizbl. Bot. Gart. Berlin-Dahlem 13: 651.-*S. brunneopilosa* var. *eopygmaea* (Hand.-Mazz.) Lipsch.; *S. eopygmaea* Hand.-Mazz.-2900-4900 m.-China (Gansu, Qinghai).
4. *Saussurea chinduensis* Y. S. Chen, 2015, Phytotaxa, 213 (3): 192.-3500-4500 m.-China (Qinghai).

5. *Saussurea chrysotricha* Ludl., 1956, Bull. Brit. Mus. (Nat. Hist.), Bot. 2(3): 70-71, f. 4, t. 2.-India, Nepal.
6. *Saussurea conandriifolia* Nakai, 1915, Bot. Mag. (Tokyo) 29: 196.-Korea.
7. *Saussurea dorogostaiskii* Palib. 1928, Zurn. Russk. Bot. Obsc. Akad. Nauk SSSR 13: 109.-Mongolia.
8. *Saussurea dulongjiangensis* Y. S. Chen, 2015, Phytotaxa, 213 (3): 194.-3400-3700 m.-China (Yunnan).
9. *Saussurea graminea* Dunn, 1903, J. Linn. Soc., Bot. 35: 509.-*S. geraeocephala* Diels; *S. lanicaulis* Hand.-Mazz.; *S. poophylla* Diels.-3000-5400 m.-China (Inner Mongolia, Gansu, Ningxia, Sichuan, Qinghai, Xizang, Yunnan).
10. *Saussurea graminifolia* Wall. ex DC, 1838, Prodr. 6: 536.-*S. stafleuana* Lipsch.-3600-5600 m.-Bhutan, China (Xizang), India (Jammu and Kashmir, Sikkim, Uttar Pradesh, Himachal Pradesh), Nepal.
11. *Saussurea krylovii* Schischk. & Serg. 1944, Sist. Zam. Mater. Gerb. Krylova Toms. Gosud. Univ. 1944(1): 1.-2300-2800 m.-China (Xinjiang), Kazakhstan, Mongolia, Russia (West Siberia, East Siberia).
12. *Saussurea leucophylla* Schrenk, 1842, Bull. Sci. Acad. Imp. Sci. Saint-Petersbourg 10: 354.-2600-4000 m.-China (Xinjiang), Kazakhstan, Kyrgyzstan, Mongolia, Russia (West Siberia, East Siberia), Tajikistan.
13. *Saussurea loriformis* W.W.Sm. 1913, Notes Roy. Bot. Gard. Edinburgh, 8: 114.-4100-5100 m.-China (Sichuan, Xizang, Yunnan).
14. *Saussurea megacephala* C. C. Chang ex Y. S. Chen, 2011, Ann. Bot. Fenn. 48: 142.-about 3500 m.-China (Xizang).
15. *Saussurea neichiana* Kadota, 2008, J. Japan. Bot. 83: 290.-Japan (Honshu).
16. *Saussurea pseudograminea* Y. F. Wang, G. Z. Du and Y. S. Lian, 2014, Nord. J. Bot. 32: 188.-3900-4100 m.-China (Gansu).
17. *Saussurea pseudorockii* Y.S. Chen, 2014, Phytotaxa, 170 (3): 145. -3900 m.-China (Yunnan).
18. *Saussurea pubescens* Y. L. Chen & S. Yun Liang, 1981, Acta Phytotax. Sin. 19: 95.-about 4900 m.-China (Xizang).
19. *Saussurea pygmaea* Spreng. 1826, Syst. Veg. 3: 381.-*Carduus pygmaeus* Jacq.; *Cirsium pygmaeum* (Jacq.) Scop.; *Lagrostemon pygmaeus* (Jacq.) Cass.; *Saussurea monocephala* Cass.; *Saussurea polyphylla* Schrenk ex Herd.; *Serratula pygmaea* (Jacq.) Jacq.; *Theodorea pygmaea* (Jacq.) Kuntze.-Austria, Germany, Italy, Poland, Slovakia, Slovenia.
20. *Saussurea revjakinae* S.V.Smirn. 2004, Turczaninowia 7(4): 15.-Russia (Altai).
21. *Saussurea rockii* J. Anthony, 1934, Notes Roy. Bot. Gard. Edinburgh 18: 211.-2700-3900 m.-China (Yunnan).
22. *Saussurea romuleifolia* Franch. 1888, J. Bot. (Morot) 2: 339.-2200-4000 m.-China (Sichuan, Xizang, Yunnan).
23. *Saussurea saichanensis* Kom. ex Lipsch. 1960, Not. Syst. Herb. Inst. Bot. Acad. Sci. URSS, 20: 340.-Mongolia.
24. *Saussurea schanginiana* (Wydler) Fisch. ex Serg. 1949, in Krylov, Fl. Zapadnoi Sibiri 11: 2906.-*Lagrostemon pygmaeus* (Jacquin) Cassini var. *schanginianus* Wydler; *Saussurea pygmaea* (Jacq.) Spreng. var. *schanginii* DC, nom. illeg. superfl.-2100-2800 m.-China (Xinjiang), Kazakhstan, Kyrgyzstan, Mongolia, Russia (West Siberia, East Siberia, Far East).
25. *Saussurea schlagintweitii* Klatt, 1878, Sitzungsber. Math.-Phys. Cl. Konigl. Akad. Wiss. Munchen 8: 94.-*S. glanduligera* Sch.Bip.-4700-5500 m.-China (Xinjiang, Xizang), India (Jammu and Kashmir, Himachal Pradesh).
26. *Saussurea semifasciata* Hand.-Mazz. 1923, Anz. Akad. Wiss. Wien, Math.-Naturwiss. Kl. 60: 100.-3800-4800 m.-China (Gansu, Sichuan, Qinghai, Yunnan).
27. *Saussurea sericea* Y. L. Chen & S. Yun Liang, 1981, Acta Phytotax. Sin. 19: 96.-5000-5200 m.-China (Xizang).
28. *Saussurea sugimurae* Honda, 1930, Bot.Mag.(Tokyo) 44: 467.-*S. katoana* Kadota; *S. muramatsui* Kitam.-Japan (Honshu).
29. *Saussurea sordida* Kar. & Kir. 1842, Bull. Soc. Imp. Naturalistes Moscou 15: 389.-*S. pycnocephala* Ledeb. var. *sordida* (Kar. & Kir.) Herder; *S. russowii* C.Winkl.; *S. sordida* var. *oligocephala* C.Winkl. ex Lipsch.; *S. tuoliensis* K. M. Shen.-2000-2800 m.-China (Xinjiang), Kazakhstan, Kyrgyzstan, Tajikistan, Uzbekistan.
30. *Saussurea souliei* Franch. 1891, Bull. Annuel Soc. Philom. Paris, ser. 8, 3: 147.-China (Sichuan).
31. *Saussurea sylvatica* Maxim. 1882, Bull. Acad. Imp. Sci. Saint-Petersbourg 27: 495.-*S. hsiaowutaishanensis* F. H. Chen; *S. sylvatica* var. *hsiaowutaishanensis* (F. H. Chen) Lipsch.-1900- 4500 m. -China (Gansu, Sichuan, Shanxi, Shaanxi, Hebei, Qinghai).
32. *Saussurea Xizangica* C.Winkl. 1894, Trudy Imp. S.-Peterburgsk. Bot. Sada 13: 242.-3400-4700 m.-China (Sichuan, Qinghai, Xizang).
33. *Saussurea yanyuanensis* Y. S. Chen, 2015, Phytotaxa, 213 (3): 198.-3900-4200 m.-China (Sichuan).
34. *Saussurea xiaojinensis* Y.S. Chen, 2014, Phytotaxa, 170 (3): 149.-2800-2900 m.-China (Sichuan).

Sect. *Strictae* C. B. Clarke, 1876, Compos. Ind. 221.-*Aplotaxis* DC; *Cyathidium* Lindl. ex Royle; *Eriostemon* Lessing (1832), not Smith (1798); Sect. *Cyathidium* (Lindl. ex Royle) Ling,

1. *Saussurea andersonii* C. B. Clarke, Compos. Ind. 226. 1876.-*S. flavovirens* Y. L. Chen & S. Yun Liang.-3500-4300 m.-China (Xizang, Yunnan), India (Sikkim).
2. *Saussurea andryaloides* (DC) Sch.Bip. 1846, Linnaea 19: 331.-*Aplotaxis andryaloides* DC.; *Saussurea stoliczkae* C. B. Clarke.-3200-5400 m.-China (Xinjiang, Qinghai, Xizang), India (Jammu and Kashmir, Uttar Pradesh), Pakistan.
3. *Saussurea arenaria* Maxim. 1882, Bull. Acad. Imp. Sci. Saint-Petersbourg 27: 490.-2800-4500 m.-China (Gansu, Qinghai, Xizang).
4. *Saussurea austroXizangica* Y. S. Chen, 2014, Phytotaxa, 177 (4): 191.-3600-4100 m.-China (Xizang).
5. *Saussurea brachylepis* Hand.-Mazz. 1938, Acta Horti Gothob. 12: 326.-about 3600 m.-China (Sichuan).
6. *Saussurea caespitosa* (DC.) Wallich ex Sch.-Bip. 1846, in Linnaea 19: 330.-*Aplotaxis caespitosa* DC.-4500-4600 m.-India (Jammu and Kashmir, Sikkim, Uttar Pradesh, Himachal Pradesh), Nepal.
7. *Saussurea centiloba* Hand.-Mazz. 1920Anz. Akad. Wiss. Wien, Math.-Naturwiss. Kl. 57: 144.-*S. leveillei* F. H. Chen; *S. vaniotii* H.Lév.-3200-4200 m.-China (Sichuan, Yunnan).
7. *Saussurea ceterach* Hand.-Mazz. 1938, Acta Horti Gothob. 12: 323.-3800-4900 m.-China (Sichuan, Qinghai, Xizang).
9. *Saussurea colpodes* Y. L. Chen & S. Yun Liang, 1981, Acta Phytotax. Sin. 19: 104.-3300-3400 m.-China (Xizang).

10. *Saussurea coriacea* Y. L. Chen & S. Yun Liang, 1981, Acta Phytotax. Sin. 19: 101.-3600-4400 m.-China (Sichuan, Xizang).
11. *Saussurea dhwojii* Kitam. 1979, Acta Phyt. Geobot. 30: 128.-about 4500 m.-Nepal.
12. *Saussurea dschungdienensis* Hand.-Mazz. 1924, Anz. Akad. Wiss. Wien, Math.-Naturwiss. Kl. 61: 205.-3000-4000 m.-China (Sichuan, Yunnan).
13. *Saussurea donkiah* C. B. Clarke ex Springate, 2000, Edinburgh J. Bot. 57: 405.-about 4500 m.-Bhutan, China (Xizang), India (Sikkim), Nepal.
14. *Saussurea eriostemon* Wall. ex C. B. Clarke, 1876, Compos. Ind. 229.-*Centaurea taraxacifolia* D. Don; *Aplotaxis nepalensis* DC, nom. illeg. superfl.; *Eriostemon taraxacifolius* (D. Don) Lessing; *Saussurea chapmannii* C. E. C. Fisch.; *S. nepalensis* Spreng., nom. illeg. superfl.-3200-4900 m.-Bhutan, China (Xizang), India (Sikkim), Nepal.
15. *Saussurea fibrosa* King ex W. W. Smith, 1911, Journ. As. Soc. Beng. n, s. 7: 72. -Bhutan, India (north).
16. *Saussurea fuscipappa* Y.S. Chen, 2014, Phytotaxa, 170 (3): 141.-3000-4600 m.-China (Sichuan, Xizang, Yunnan).
17. *Saussurea gongriensis* Y. S. Chen, 2015, Phytotaxa, 213 (3): 177.-3400-3500 m.-China (Xizang).
18. *Saussurea henryi* Hemsl. 1892, J. Linn. Soc., Bot. 29: 311.-2000-2800 m.-China (Guizhou, Sichuan, Hebei, Henan, Shanxi).
19. *Saussurea incisa* F. H. Chen, 1935, Bull. Fan Mem. Inst. Biol., Bot. 6: 96.-China (Hebei).
20. *Saussurea kansuensis* Hand.-Mazz. 1937, Notizbl. Bot. Gart. Berlin-Dahlem 13: 648.-3400-4300 m.-China (Gansu, Sichuan, Qinghai).
21. *Saussurea langpoensis* Y. S. Chen, 2014, Phytotaxa, 177 (4): 193.-3500-3700 m.-China (Xizang).
22. *Saussurea lavrenkoana* Lipsch. 1972, Bot. Zhurn. 57: 532.-about 4000 m.-China (Sichuan).
23. *Saussurea leontodontoides* (DC) Sch.Bip. 1846, Linnaea 19: 330.-*Aplotaxis leontodontoides* DC; *Saussurea irregularis* Y. L. Chen & S. Yun Liang; *S. kunthiana* C. B. Clarke; *S. kunthiana* var. *filicifolia* Hook. f.; *S. leontodontoides* var. *filicifolia* (Hook. f.) Hand.-Mazz.; *S. rhytidocarpa* Hand.-Mazz.; *S. sungpanensis* Hand.-Mazz.-3200-5500 m.-China (Sichuan, Qinghai, Xizang, Yunnan), India (Jammu and Kashmir, Sikkim, Uttar Pradesh, Himachal Pradesh.), Nepal.
24. *Saussurea leiocarpa* Hand.-Mazz. 1938, Acta Horti Gothob. 12: 330.-3800-4500 m.-China (Sichuan, Xizang, Yunnan).
25. *Saussurea leptolepis* Hand.-Mazz. 1938, Acta Horti Gothob. 12: 337.-*S. handeliana* Y. Ling; *S. inconspicua* Hand.-Mazz.; *S. modesta* Hand.-Mazz.-4200-4400 m.-China (Sichuan).
26. *Saussurea lhunzensis* Y. S. Chen, 2014, Phytotaxa, 177 (4): 195.-3800-4500 m.-China (Xizang).
27. *Saussurea lhunzhubensis* Y. L. Chen & S. Yun Liang, 1981, Acta Phytotax. Sin. 19: 100.-4000-4600 m.-China (Xizang).
28. *Saussurea limprichtii* Diels, 1922, Repert. Spec. Nov. Regni Veg. Beih. 12: 512.-about 5100 m.-China (Sichuan).
29. *Saussurea lingulata* Franch. 1896, J. Bot. (Morot) 10: 423.-3000-4200 m.-China (Sichuan, Yunnan).
30. *Saussurea minutiloba* Y. S. Chen, 2015, Phytotaxa, 213 (3): 179.-4000-4400 m.-China (Sichuan, Yunnan).
31. *Saussurea multiloba* Y. S. Chen, 2015, Phytotaxa, 213 (3): 182.-3900-4100 m.-China (Sichuan).
32. *Saussurea nimborum* W.W. Smith, 1911, in J. et Proc. Asiat. Soc. Bengal n.s. 7, 3: 73-74.-*S. sughoo* auct. Non C.B. Clarke.-3500-5300 m.-Bhutan, India (Sikkim).
33. *Saussurea nyalamensis* Y. L. Chen & S. Yun Liang, 1981, Acta Phytotax. Sin. 19: 103.-about 4700 m.-China (Xizang).
34. *Saussurea nyingchiensis* Y. S. Chen, 2015, Phytotaxa, 213 (3): 188.-3700-4700 m.-China (Xizang).
35. *Saussurea obscura* Lipsch. 1971, Novit. Syst. Pl. vas. Acad. Sci. URSS. 8. 250.-*S. inconspicua* Lipsch., non Rand.-Mazz., 1939.-India (Sikkim).
36. *Saussurea pachyneura* Franch. 1894, J. Bot. (Morot) 8: 354.-*S. bodinieri* H.Lév.; *S. kunthiana* C. B. Clarke var. *caulescens* Kitam.; *S. kunthiana* var. *major* Hook. f.; *S. sikangensis* F. H. Chen.-3000-4700 m.-Bhutan, India (Sikkim), China (Guizhou, Sichuan, Xizang, Yunnan), Myanmar, Nepal.
37. *Saussurea pagriensis* Y. S. Chen, 2014, Phytotaxa, 177 (4): 197.-4600-4900 m.-Bhutan, China (Xizang).
38. *Saussurea paleacea* Y. L. Chen & S. Yun Liang, 1981, Acta Phytotax. Sin. 19: 99.-4300-4400 m.-China (Xizang).
39. *Saussurea picridifolia* (Hand.-Mazz.) Y. S. Chen & Qian Yuan, 2015, Phytotaxa, 236 (1): 59.-*Jurinea picridifolia* Hand.-Mazz.; *Diplazoptilon picridifolium* (Hand.-Mazz.) Ling.-3600-4300 m.-China (Xizang, Yunnan).
40. *Saussurea polypodioides* J. Anthony, 1934, Notes Roy. Bot. Gard. Edinburgh 18: 209.-2700-4300 m.-China (Xizang, Yunnan).
41. *Saussurea polystichoides* Hook.f. 1881, Fl. Brit. India 3: 369.-about 4400 m.-India (Sikkim, Uttar Pradesh), Nepal.
42. *Saussurea porphyroleuca* Hand.-Mazz. 1925, Anz. Akad. Wiss. Wien, Math.-Naturwiss. Kl. 62: 15.-3000-4200 m.-China (Yunnan).
43. *Saussurea przewalskii* Maxim. 1882, Bull. Acad. Imp. Sci. Saint-Petersbourg 27: 494.-*S. cirsioides* Hemsl.; *S. giraldii* Diels; *S. likiangensis* Franch.; *S. likiangensis* var. *integrifolia* Hand.-Mazz.; *S. likiangensis* var. *siningensis* Hand.-Mazz.-3000-5100 m.-Bhutan, China (Gansu, Sichuan, Qinghai, Xizang, Shanxi, Yunnan).
44. *Saussurea pseudoeriostemon* Y. S. Chen, 2015, Phytotaxa, 213 (3): 183.-3600-4200 m.-China (Xizang), Nepal.
45. *Saussurea pseudolingulata* Y. S. Chen, 2015, Phytotaxa, 213 (3): 185.-2800-4200 m.-China (Sichuan, Yunnan, Xizang).
46. *Saussurea pseudoyunnanensis* Y. S. Chen, 2015, Phytotaxa, 213 (3): 196.-3300-4100 m.-China (Xizang, Yunnan).
47. *Saussurea purpurascens* Y. L. Chen & S. Yun Liang, 1981, Acta Phytotax. Sin. 19: 105.-about 4200 m.-China (Xizang).
48. *Saussurea rolwalingensis* K. Fujik. & H. Ohba, 2007, J. Jap. Bot. 82(6): 328.-4050-5300 m.-Nepal.
49. *Saussurea roylei* (DC.) Sch.-Bip. 1846, Linnaea 19: 330.-*Aplotaxis roylei* DC.-3000-4900 m.-India (Jammu and Kashmir, Uttar Pradesh, Himachal Pradesh), Nepal.
50. *Saussurea salwinensis* J. Anthony, 1934, Notes Roy. Bot. Gard. Edinburgh 18: 211.-*S. ochrochlaena* Hand.-Mazz.-3500-4900 m.-China (Xizang, Yunnan).
51. *Saussurea shangrilaensis* Y. S. Chen, 2014, Phytotaxa, 172 (2): 123.-3600-4500 m.-China (Sichuan, Yunnan).

52. *Saussurea scabrada* Franch. 1891, Bull. Annuel Soc. Philom. Paris, ser. 8, 3: 146.-*S. leontodon* Dunn; *S. pseudoleontodon* F. H. Chen.-2700-4200 m.-China (Sichuan, Xizang, Yunnan).
53. *Saussurea semilyrata* Bureau & Franch. 1891, J. Bot. (Morot) 5: 76.-*S. lanata* Y. L. Chen & S. Yun Liang; *S. stoetzneriana* Diels; *S. viridibracteata* F. H. Chen.-3200-4800 m.-China (Sichuan, Xizang, Yunnan).
54. *Saussurea subulisquama* Hand.-Mazz. 1938, Acta Horti Gothob. 12: 326.-*S. kokonorensis* Y. Ling.-2400-4600 m.-China (Gansu, Sichuan, Qinghai).
55. *Saussurea sugho* C.B. Clarke, 1876, Comp. Ind. 225.-3800-4800 m.-India (Аруначал-Прадеш, Sikkim), Nepal.
56. *Saussurea stoliczkae* C.B. Clarke, 1876, Comp. Ind. 225.-4000-5000 m.-India (Jammu and Kashmir, Himachal Pradesh), Nepal.
57. *Saussurea taraxacifolia* (Lindley ex Royle) Wall. ex DC, 1838, Prodr. 6: 532.-*Cyathidium taraxacifolium* Lindley ex Royle.-3800-4700 m.-Bhutan, China (Xizang, Yunnan), India (Аруначал-Прадеш, Jammu and Kashmir, Sikkim, Uttar Pradesh, Himachal Pradesh), Nepal.
58. *Saussurea wardii* J. Anthony, 1934, Notes Roy. Bot. Gard. Edinburgh 18: 216.-*S. bomiensis* Y. L. Chen & S. Yun Liang; *S. graminicola* F. H. Chen.-3500-4800 m.-China (Sichuan, Qinghai, Xizang, Yunnan).
59. *Saussurea xianrendongensis* Y. S. Chen, 2015, Phytotaxa, 213 (3): 188.-3400 m.-China (Yunnan).
60. *Saussurea yunnanensis* Franch. 1888, J. Bot. (Morot) 2: 340.-*S. mairei* H.Lév.; *S. vaginata* Dunn; *S. yunnanensis* var. *integrifolia* Franch.; *S. yunnanensis* var. *runcinata* Franch.; *S. yunnanensis* var. *sessilifolia* J. Anthony.-2300-4300 m.-China (Sichuan, Yunnan).
61. *Saussurea zayuensis* Y. S. Chen, 2015, Phytotaxa, 213 (3): 190.-3600-4000 m.-China (Xizang).

Sect. *Rosulascentes* (Kitam.) Lipsch. 1979, Rod *Saussurea*, 171.-*Saussurea* subsect. *Rosulascentes* Kitam., Acta Phytotax. Geobot. 24: 22. 1969.

1. *Saussurea acrophila* Diels, 1905, Bot. Jahrb. Syst. 36(Beibl. 82): 108.-2800-3100 m.-China (Shanxi).
2. *Saussurea alatipes* Hemsl., J. Linn. Soc., Bot. 29: 308. 1892.1500-2600 m.-China (Guangdong, Hubei).
3. *Saussurea diamantiaca* Nakai, 1911, Bot. Mag., Tokyo, 23: 185 (1909), et Journ. Coll. Sc. Tokyo, 31: 44.-*S. diamantica* var. *longifolia* Nakai; *S. grandicapitula* W.Lee & Im; *S. rorinsanensis* Nakai.-Korea (north, south).
4. *Saussurea eriophylla* Nakai, 1913, Bot. Mag. Tokyo, 27: 35.-Korea (north, south).
5. *Saussurea fargesii* Franch. 1894, J. Bot. (Morot) 8: 344.-China (Guangdong).
6. *Saussurea hosoiana* Kadota, 2008, J. Japan. Bot. 83: 286.-Japan (Honshu).
7. *Saussurea huashanensis* (Y. Ling) X. Y. Wu, 1985, Fl. Tsinling. 1(5): 365.-*S. eriolepis* Bunge ex DC var. *huashanensis* Y. Ling; *S. alatipes* Hemsl. var. *huashanensis* (Y. Ling) Y. Ling; *S. nivea* Turcz. var. *huashanensis* (Y. Ling) S. Y. Hu.-1800-2100 m.-China (Henan, Shanxi).
8. *Saussurea jadrincevi* Kryl. 1015, Trav. Mus. Bot. Acad. Petersb. 14: 143.-Russia (Altai).
9. *Saussurea kitamuriana* Miyabe & Tatewaki, 1936, Trans. Sapporo Nat. Hist. Soc. 14: 267.-Russia (Far East).
10. *Saussurea kungii* Y. Ling, 1935, Contr. Inst. Bot. Natl. Acad. Peiping 3: 158.-1800-1900 m.-China (Shanxi).
11. *Saussurea oligocephala* (Y. Ling) Y. Ling, 1949, Contr. Inst. Bot. Natl. Acad. Peiping 6: 83.-*S. acrophila* Diels var. *oligocephala* Y. Ling.-2000-3000 m.-China (Shanxi).
12. *Saussurea oblongifolia* F. H. Chen, 1935, Bull. Fan Mem. Inst. Biol., Bot. 6: 99.-China (Yunnan).
13. *Saussurea paucijuga* Y. Ling, 1949 Contr. Inst. Bot. Natl. Acad. Peiping 6: 88.-2400-2800 m.-China (Shanxi).
14. *Saussurea porcellanea* Lipsch. 1954, Not. Syst. Herb. Inst. Bot. Acad. Sci. URSS, 16: 455.-*S. nivea* Kom. & Schischkin.-Russia (Far East).
15. *Saussurea seoulensis* Nakai, 1911, Bot. Mag., Tokyo, 25: 58.-*S. conandrifolia* Nakai; *S. rectinervis* Nakai; *S. triangulata* var. *elatior* Nakai; *S. uchiyamana* Nakai.-Korea (north, south).
16. *Saussurea tomentosa* Kom. 1921, Bot. Mater. Gerb. Glavn. Bot. Sada R.S.F.S.R. 2: 135.-*S. alpicola* Kitam.; *S. eriophylla* Nakai var. *alpina* Nakai.-1500-2600 m.-China (Jilin), Korea, Russia (Far East).

Sect. *Saussurea*

1. *Saussurea acromelaena* Hand.-Mazz. 1936, Symb. Sin. 7: 1151.-*S. reniformis* Y. Ling.-1400-2500 m.-China (Shanxi, Hubei, Hebei, Henan).
2. *Saussurea acuminata* Turcz. ex Fisch. & C. A. Meyer, 1835, Index Sem. Hort. Petrop. 1: 37.-China (Inner Mongolia, Heilongjiang), Mongolia, Russia (East Siberia).
3. *Saussurea acutisquama* Raab-Straube, 2011, Willdenowia 41: 83.-3400-4900 m.-China (Gansu, Sichuan, Qinghai, Xizang, Yunnan).
4. *Saussurea ainorum* V.Yu. Barkalov, 1992, Sosud. Rast. Sovet. Dal'nego Vostoka, 6: 279.-Russia (Far East-Sakhalin).
5. *Saussurea ajanensis* (Regel) Lipsch. 1954, Bull. Soc. Nat. Mosc., Biol., n. s., 59: Livr. 6, 73.-Russia (Far East).
6. *Saussurea alaschanica* Maxim. 1882, Bull. Acad. Imp. Sci. Saint-Petersbourg 27: 492.-China (Inner Mongolia, Ningxia), Mongolia.
7. *Saussurea alpina* (L.) DC. 1810, Ann. Mus. Natl. Hist. Nat. 16: 198.-*Serratula alpina* L.; *Saussurea macrophylla* Sauter-about 3000 m.-Austria, Andorra, Belarus, Bulgaria, China (Xinjiang), Czech Republic, Finland, France, Great Britain, Germany, Hungary, Italy, Ireland, Kazakhstan, Kyrgyzstan, Latvia, Liechtenstein, Macedonia, Mongolia, Norway, Poland, Russia (Euro, Ural, West Siberia, East Siberia), Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Tajikistan, Ukraine.
8. *Saussurea alpicola* Kitam. 1933, Acta Phytotax. Geobot. 2(1): 46.-Korea, Russia (Far East).

9. *Saussurea amabilis* Kitam. 1933, Acta Phytotax. & Geobot., 2: 47.-Japan (Shikoku, Honshu).
10. *Saussurea amurensis* Turcz. ex DC. 1838, Prodr. 6: 534.-*S. amurensis* subsp. *stenophylla* (Frey) Kitam.; *S. stenophylla* Freyn.-900-1300 m.-China (Inner Mongolia, Jilin, Liaoning, Heilongjiang), Korea, Russia (East Siberia, Far East).
11. *Saussurea angustifolia* (L.) DC. 1810, Ann. Mus. Par. 16: 200.-*S. viscida* Hult.-*Serratula alpina* var. *angustifolia* L.; *Serratula angustifolia* (L.) Willd.-Russia (Far East), America (north).
12. *Saussurea arctecapitulata* Lipsch. 1972, Bot. Zhurn., 57(4): 524.-Mongolia, Russia (East Siberia?).
13. *Saussurea atkinsonii* C.B. Clarke, 1876, Compos. Ind.: 226. 3000-4500 m.-India (Jammu and Kashmir, Uttar Pradesh, Himachal Pradesh).
14. *Saussurea baroniana* Diels, 1901, Bot. Jahrb. Syst. 29: 625.-*S. broussonetifolia* F. H. Chen; *S. rufotricha* Y. Ling.-2200-2800 m.-China (Shanxi).
15. *Saussurea brachycephala* Franch. 1897, Bull. Herb. Boiss. 5: 540.-Japan (Honshu).
16. *Saussurea bullata* W.W. Sm. 1914, Notes Roy. Bot. Gard. Edinburgh, 8: 206.-3600-4300 m.-China (Yunnan).
17. *Saussurea bullockii* Dunn, 1903, J. Linn. Soc., Bot. 35: 509.-*S. kwangtungensis* F. H. Chen; *S. tienmoshanensis* F. H. Chen.-800-2100 m.-China (Anhui, Guangdong, Fujian, Shanxi, Hubei, Hunan, Jiangxi, Zhejiang)
18. *Saussurea calcicola* Nakai, 1931, Bot. Mag., Tokyo, 45: 513.-Korea (north, south).
19. *Saussurea candolleana* Wallich ex DC. 1838, Prodr. 6: 541, pro syn. *S. candolleana* Wallich ex Sch.-Bip.-*S. candolleana* var. *glabrata* Lipsch.; *S. candolleana* subsp. *platyptera* Lipsch.; *S. pterocaulon* Decaisne; *Aplotaxis candolleana* DC.-2100-5000 m.-Bhutan, India (Jammu and Kashmir, Sikkim, Uttar Pradesh, Himachal Pradesh), Nepal, Pakistan.
20. *Saussurea caprifolia* Iljin & Zapr. 1933, Izvest. Tadzhih. Baz. Akad. Nauk SSSR, Bot., 1: 1. 69.-Tajikistan.
21. *Saussurea carduiiformis* Franch. 1894, J. Bot. (Morot) 8: 343.-2600-2800 m.-China (Gansu, Sichuan, Shanxi, Chongqing).
22. *Saussurea caudata* Franch. 1891, Bull. Annuel Soc. Philom. Paris, ser. 8, 3: 147.-3000-4000 m.-China (Sichuan, Yunnan).
23. *Saussurea cauloptera* Hand.-Mazz. 1937, Notizbl. Bot. Gart. Berlin-Dahlem 13: 645.-*S. rosthornii* Diels var. *sessilifolia* Diels.-1700-3000 m.-China (Shanxi, Chongqing, Henan).
24. *Saussurea chabyoungsanica* Im, 1997, J. Plant Biol. 40 (4): 288.-Korea (south).
25. *Saussurea chetchozensis* Franch. 1888, J. Bot. (Morot) 2: 359.-2000-3700 m.-China (Guizhou, Sichuan, Yunnan).
26. *Saussurea chionophylla* Takeda, 1915, Notes Bot. Gard. Edin. 8: 234.-Japan (Hokkaido).
27. *Saussurea cinerea* Franch. 1897, Bull. Mus. Hist. Nat. (Paris) 3: 324.-*S. pusilla* Lipsch.-3000-3800 m.-China (Xinjiang).
28. *Saussurea clarkei* Hook.f. -about 4500 m.-India (Jammu and Kashmir).
29. *Saussurea congesta* Turcz. ex DC. 1838, Prodr. 6: 535.-Mongolia, Russia (East Siberia).
30. *Saussurea controversa* DC. 1810, Ann. Mus. Hist. Nat. 16: 199.-*S. propinqua* Iljin-Kazakhstan, Mongolia, Russia (European Part, West Siberia, East Siberia).
31. *Saussurea cordifolia* Hemsl. 1892, J. Linn. Soc., Bot. 29: 310.-*S. aegiophylla* Diels; *S. cavaleriei* H.Lév. & Vaniot; *S. cordifolia* var. *ombrophila* Hand.-Mazz.; *S. dutaillyana* Franch.-700-2200 m.-China (Anhui, Guizhou, Sichuan, Shanxi, Henan, Hubei, Hunan, Zhejiang, Chongqing).
32. *Saussurea czichaczewii* Maneev & Krasnob. 1985, Izv. Sibir. Otdel. Akad. Nauk SSSR, Biol. Nauk, 1985(3): 8.-Russia (Altai).
33. *Saussurea denticulata* Ledeb. 1829, Icon. Pl. 1: 18, t. 74.-*S. sukaczewii* Lipsch.-Mongolia, Russia (East Siberia).
34. *Saussurea depressa* Gren. 1849, Mem. Acad. Besanc. (1849), ex Gren. & Godr. Fl. Fr. 2: 272.-*Saussurea alpina* subsp. *depressa* (Gren.) Nym.-Austria, France, Germany, Italy, Slovenia, Switzerland.
35. *Saussurea dielsiana* Koidz. 1930, Fl. Symb. Orient.-Asiat. 50.-*S. microcephala* Diels, not Franch. (1888); *S. stenocephala* Y. Ling.-800-1800 m.-China (Inner Mongolia, Sichuan, Shanxi, Shaanxi).
36. *Saussurea dimorphaea* Franch. 1894, J. Bot. (Morot) 8: 340.-China (Chongqing).
37. *Saussurea discolor* (Willd.) DC. 1810, Ann. Mus. Hist. Nat. (Paris) 16: 199.-*S. lapatifolia* Beck; *Serratula discolor* Willd.; *Theodorea discolor* (Willd.) Kuntze.-Austria, Bulgaria, Finland, France, Germany, Italy, Liechtenstein, Romania, Slovakia, Slovenia, Switzerland, Ukraine.
38. *Saussurea dubia* Freyn, 1902, Österr. Bot. Z. 52(9): 349-51.-Russia (East Siberia, Far East).
39. *Saussurea duiensis* F.Schmidt, 1868, Reis. Amur-Land., Bot. 152.-*S. acuminata* var. *Duiensis* (F.Schmidt) Vorosch.-Russia (Far East).
40. *Saussurea dzeurensis* Franch. 1894, J.Bot.(Morot) 8: 339.-2600-4000 m.- China (Gansu, Sichuan, Qinghai).
41. *Saussurea elliptica* C. B. Clarke ex Hook. f., 1881, Fl. Brit. India 3: 372.-*S. kuschakewiczii* C.Winkl.-2500-4300 m.-India (Jammu and Kashmir), Kazakhstan, Kyrgyzstan, China (Xinjiang), Pakistan, Tajikistan.
42. *Saussurea elongata* DC. 1810, Ann. Mus. Par. 16: 201.-*S. asperifolia* Sch. Bip. ex Herd.; *S. polypodiifolia* DC.; *S. scabiosifolia* Turcz. ex Ledeb.-Mongolia, Russia (East Siberia, Far East).
43. *Saussurea eriocephala* Franch. 1894, J. Bot. (Morot) 8: 339.-*S. pallidiceps* Hand.-Mazz.-1900-2900 m.-China (Sichuan, Yunnan).
44. *Saussurea epilobioides* Maxim. 1882, Bull. Acad. Imp. Sci. Saint-Petersbourg 27: 495.-*S. karlongensis* Hand.-Mazz.-2600-4200 m.-China (Gansu, Ningxia).
45. *Saussurea esthonica* Baer ex Rupr. 1885, Mem. Acad. Petersb. Ser. VI. Sc. Nat. 7: 5. -Estonia, Latvia.
46. *Saussurea euodonta* Diels, 1912, Notes Roy. Bot. Gard. Edinburgh 5: 198.-2300-3700 m.-China (Sichuan, Yunnan).
47. *Saussurea fauriei* Franch. 1897, Bull. Herb. Boiss. 5: 542.-Russia (Far East), Japan (Hokkaido).
48. *Saussurea firma* (Kitag.) Kitam. 1940, Acta Phytotax. Geobot. 9: 112.-*S. ussuriensis* Maxim. var. *firma* Kitag.; *S. controversa* DC var. *firma* (Kitag.) Kitag.; *S. controversa* f. *sinuata* (Kitag.) Kitag.; *S. discolor* (Willd.) DC var. *firma* (Kitag.) Kitag.; *S. discolor* f.

- sinuata* (Kitag.) Kitag.; *S. ussuriensis* f. *sinuata* Kitag.-1100-1800 m.-China (Inner Mongolia, Jilin, Liaoning, Hebei, Heilongjiang), Russia (Far East).
49. ***Saussurea flaccida*** Y. Ling, 1935, Contr. Inst. Bot. Natl. Acad. Peiping 3: 165.-2700-2800 m.-China (Shanxi).
50. ***Saussurea franchetii*** Koidz. 1915 Bot. Mag., Tokyo, 29: 157.-Japan (Honshu).
51. ***Saussurea foliosa*** Ledeb. 1829, Ic. Pl. Fl. Ross. 1: 17. t. 69.-*Theodorea foliosa* (Ledeb.) Kuntze.-Kazakhstan, Mongolia, Russia (West Siberia).
52. ***Saussurea frondosa*** Hand.-Mazz. 1938, Acta Horti Gothob. 12: 312.-1400-2300 m.-China (Fujian, Henan, Shaanxi, Yunnan).
53. ***Saussurea fulcrata*** Khokhr. & Vorosch. 1970, Byull. Glavn. Bot. Sada, Moskva, No. 75, 43.-Russia (Far East).
54. ***Saussurea qamdoensis*** Y.S. Chen, 2014, Phytotaxa, 170 (3): 147.-3600-4000 m.-China (Xizang).
55. ***Saussurea glandulosa*** Kitam. 1934, Acta Phytotax. Geobot. 3: 137.-*S. yatagaiana* Mori.-2000-3700 m.-China (Тайвань).
56. *Saussurea gracilis* Maxim. 1974, Bull. Acad. Petersb. 19: 518.-*S. bicolor* H.Lév. & Vaniot; *Theodorea gracilis* (Maxim.) Kuntze.-Korea (north, south), Japan (Kyushu, Shikoku, Honshu).
57. ***Saussurea graciliformis*** Lipsch. 1972, Bot. Zhurn. 57: 532.-2200-3400 m. -China (Gansu, Qinghai).
58. ***Saussurea grandifolia*** Maxim. 1859, Mem. Acad. Imp. Sci. St.-Petersbourg Divers Savans 9: 169.-*S. coarctata* (Herder) Kitam.; *S. grandifolia* var. *asperifolia* Herder; *S. grandifolia* var. *coarctata* Herder; *S. grandifolia* var. *tenuior* Herder.-200-1100 m.-China (Jilin, Liaoning), Korea, Russia (Far East).
59. ***Saussurea grosseserrata*** Franch. 1888, J. Bot. (Morot) 2: 354.-2300-4000 m.-China (Yunnan).
60. ***Saussurea hamanakaensis*** Kadota, 2011, J. Jap. Bot. 86: 199.-Japan (Hokkaido).
61. ***Saussurea Hemsleyi*** Lipsch. 1966, Bot. Zhurn. 51: 1947.-*S. decurrens* Hemsl.-2200-3800 m.-China (Sichuan?, Hubei, Yunnan).
62. ***Saussurea hieracioides*** Hook. f. 1881, Fl. Brit. India 3: 371.-*S. leveilleana* Maire; *S. villosa* Franch.-4400-5200 m.-Bhutan, India (Sikkim), China (Sichuan, Xizang, Yunnan), Nepal.
63. ***Saussurea hultenii*** Lipsch. 1972, Bot. Zhurn. 57: 528.-about 2300 m.-China (Yunnan).
64. ***Saussurea hylophila*** Hand.-Mazz. 1936, Symb. Sin. 7: 1148.-3000-3200 m.-China (Xizang, Yunnan).
65. ***Saussurea hypargyrea*** Lipsch. & Vved. 1954, Bull. Soc. Nat. Mosc., Biol., n. s., 59: Livr. 6, 74.-Russia (East Siberia, Far East).
66. ***Saussurea hwangshanensis*** Y. Ling, 1949, Contr. Inst. Bot. Natl. Acad. Peiping 6: 79.-*S. sinuata* Kom. var. *cordata* F. H. Chen.-1000-1700 m.-China (Anhui, Zhejiang).
67. ***Saussurea igoschinae*** Knjasev, Bystrushkin et Bystrushkina, 2013, Бот. журн. 98(6): 758.-Russia (Ural).
68. ***Saussurea iodoleuca*** Hand.-Mazz. 1936, Symb. Sin. 7: 1151.-2000-2300 m.-China (Yunnan).
69. ***Saussurea jiulongensis*** Y. S. Chen, 2015, Phytotaxa, 213 (3): 204.-2600-3300 m.-China (Sichuan).
70. ***Saussurea hybrida*** Degen & Gáyer, 1928, Magyar Bot. Lapok 27: 94.-Австрия.
71. ***Saussurea insularia*** Kitam. 1935, Acta Phytotax. Geobot. 4(2): 75.-Japan (Kyushu).
72. ***Saussurea italica*** Pînzaru, 2006, Novosti Sist. Vyssh. Rast. 38: 246.-Italy.
73. ***Saussurea kamtschatica*** V.Yu. Barkalov, 1992, Sosud. Rast. Sovet. Dal'nego Vostoka, 6: 286.-Russia (Far East).
74. ***Saussurea kiraisiensis*** Masam. 1930, J. Soc. Trop. Agric. 2: 241.-2900-3500 m.-China (Sichuan, Qinghai, Тайвань).
75. ***Saussurea kitamuraana*** Miyabe & Tatewaki, 1936, Trans. Sapporo Nat. Hist. Soc. 14: 267.-Russia (Far East-Sakhalin).
76. ***Saussurea klementzii*** Lipsch. 1954, Not. Syst. Herb. Inst. Bot. Acad. Sci. URSS, 16: 458.-Mongolia.
77. ***Saussurea kolesnikovii*** Khokhr. & Vorosh. 1971, Byull. Glavn. Bot. Sada (Moscow), 82: 36.-Russia (Far East).
78. ***Saussurea komaroviana*** Lipsch. 1971, Novosti Sist. Vyssh. Rast. 8: 249.-*S. gigantifolia* H.S.Pak & Y.P.Hong; *S. saxatilis* Kom.-Korea.
79. ***Saussurea koidzumiana*** Kitam. 1935, Acta Phytotax. Geobot. 4(1): 9, japonice, 75, latine.-Korea
80. ***Saussurea komarnitzkii*** Lipsch. 1954, Byull. Moskovsk. Obshch. Isp. Prir., Otd. Biol. 59(6): 81.-2000-2300 m.-China (Guizhou).
81. ***Saussurea kubotae*** Kadota, 2007, J. Japan. Bot. 82: 261.-Japan (Honshu).
82. ***Saussurea kudoana*** Tatew. & Kitam. 1935, Acta Phytotax. Geobot. 4: 76.-*S. yubarimontana* Kadota.; *S. uryuensis* (Kadota) Kadota.-Japan (Hokkaido)
83. ***Saussurea kurilensis*** Tatew. 1933, Journ. Fac. Agric., Sapporo, 29: 153 (1931), nomen, et in Journ. Fac. Agric., Sapporo, 29: 214 (1933), descr.-Russia (Far East).
84. ***Saussurea kurentzoviae*** V.Yu. Barkalov, 1992, Sosud. Rast. Sovet. Dal'nego Vostoka, 6: 277.-Russia (Far East).
85. ***Saussurea lampsanifolia*** Franch. 1888, J. Bot. (Morot) 2: 357.-China (Yunnan).
86. ***Saussurea latifolia*** Ledeb. 1829, Icon. Pl. 1: 17.-to 2500 m.-Kazakhstan, China (Xinjiang), Mongolia, Russia (West Siberia, East Siberia).
87. ***Saussurea leclerei*** H.Lév. 1915, Bull. Geogr. Bot. 25: 18.-*S. mollis* Franch. (1894), not (Cavanilles) Spreng. (1826).-2000-3300 m.-China (Sichuan, Chongqing, Hubei, Yunnan).
88. ***Saussurea lenensis*** Lipsch. 1954, Bull. Soc. Nat. Mosc., Biol., n. s., 59: Livr. 6, 75.-Russia (East Siberia).
89. ***Saussurea liangshanensis*** Y.S. Chen, 2014, Phytotaxa, 170 (3): 143.-3000-3900 m.-China (Sichuan).
90. ***Saussurea lyratifolia*** Y. L. Chen & S. Yun Liang, 1981, Acta Phytotax. Sin. 19: 95.-about 3800 m.-China (Xizang).
91. ***Saussurea macrolepis*** Kitam. 1933, Acta Phytotax. Geobot. 2: 180.-Korea (south)
92. ***Saussurea macrota*** Franch. 1894, J. Bot. (Morot) 8: 343.-*S. auriculata* Hemsl. (1892), not (DC) Sch.Bip. (1846), nor Franch. (1887); *S. hemsleana* Hand.-Mazz.; *S. kitamurae* S. Y. Hu; *S. macrota* var. *papyracea* Lipsch.; *S. otophylla* Diels; *S. otophylla* var. *cinerea* Y. Ling.-2200-3300 m.-China (Gansu, Ningxia, Sichuan, Chongqing, Hubei, Shanxi).

93. **Saussurea manshurica** Kom. 1901, Trudy Imp. S.-Peterburgsk. Bot. Sada 18: 424.-*S. manshurica* var. *pinnatifida* Nakai; *S. triangulata* Trautv. & C. A. Meyer subsp. *manshurica* (Kom.) Kitam.; *S. triangulata* var. *pinnatifida* (Nakai) Kitam.-900-1500 m.-China (Jilin, Liaoning, Heilongjiang), Korea, Russia (Far East).
94. **Saussurea merinoi** H.Lév. 1915, Bull. Geogr. Bot. 25: 19.-about 3200 m.-China (Yunnan).
95. **Saussurea micradenia** Hand.-Mazz. 1925, Anz. Akad. Wiss. Wien, Math.-Naturwiss. Kl. 62: 16.-2300-3100 m.-China (Yunnan).
96. **Saussurea morifolia** F. H. Chen, 1938, Bull. Fan Mem. Inst. Biol., Bot. 8: 123.-1800-2700 m.-China (Gansu, Shanxi).
97. **Saussurea mongolica** (Franch.) Franch. 1897, Bull. Herb. Boissier 5: 539.-*S. ussuriensis* Maxim. var. *mongolica* Franch.; *S. hopeiensis* F. H. Chen; *S. matsumurae* Nakai; *S. mongolica* var. *rigidior* Hand.-Mazz.; *S. mongolica* f. *shansiensis* (F. H. Chen) Y. Ling; *S. sinuata* Kom. var. *shansiensis* F. H. Chen.-500-2900 m.-China (Inner Mongolia, Gansu, Jilin, Liaoning, Ningxia, Shandong, Shanxi, Shaanxi, Hebei, Heilongjiang, Qinghai), Korea, Mongolia.
98. **Saussurea mutabilis** Diels, 1905, Bot. Jahrb. Syst. 36(Beibl. 82): 109.-*S. mutabilis* var. *diplochaeta* Y. Ling.-1300-1800 m.-China (Gansu, Shanxi).
99. **Saussurea neofranchetii** Lipsch. 1972, Bot. Zhurn. 57: 676.-*S. auriculata* Franch., not (DC.) Sch.Bip. (1846).-3000-3800 m.-China (Sichuan, Yunnan).
100. **Saussurea neoserrata** Nakai, 1931, Bot. Mag. (Tokyo) 45: 519.-*S. serrata* DC var. *amurensis* Herder; *S. parviflora* (Poiret) DC var. *amurensis* (Herder) S. Y. Hu.-China (Inner Mongolia, Jilin, Heilongjiang), Korea, Mongolia, Russia (East Siberia, Far East).
101. **Saussurea nikoensis** Franch. & Sav. 1875, Enum. Pl. Jap. 2: 407.-Japan (Honshu).
102. **Saussurea nipponica** Miq. 1866, Ann. Mus. Bot. Lugd. Bat. 2: 183.-*S. kiusiana* Franch.; *S. nipponica* var. *phyllolepis* (Maxim.) S.Yu. Lipsch.; *S. tanakae* var. *phyllolepis* Maxim.; *S. yamatonus* Honda ex Koidz.; *S. sendaica* Franch. ex Koidz.; *S. yamagataensis* Kadota; *Theodorea nipponica* (Miq.) Kuntze.-Japan (Kyushu, Shikoku, Honshu).
103. **Saussurea nivea** Turcz. 1837, Bull. Soc. Imp. Naturalistes Moscou 10(7): 153.-*S. eriolepis* Bunge ex DC.-400-2200 m.-China (Inner Mongolia, Gansu, Liaoning, Ningxia, Shanxi, Shaanxi, Hebei), Korea.
104. **Saussurea nuda** Ledeb. 1829, Icon. Pl. Fl. Ross. 1: 15.-Russia (East Siberia, Far East), America (north).
105. **Saussurea nupuripoensis** Miyabe & Miyake, 1915, Fl. Saghalin No. 343.-Russia (Far East-Sakhalin).
106. **Saussurea odontolepis** Sch.Bip. ex Maxim. 1883, Bull. Acad. Imp. Sci. Saint-Petersbourg 29: 176.-*S. aspera* Hand.-Mazz.; *S. myokoensis* Kitam.; *S. pectinata* Bunge ex DC var. *amurensis* Maxim.; *S. ussuriensis* Maxim. var. *odontolepis* Herder, nom. illeg. superfl.-100-700 m.-China (Inner Mongolia, Jilin, Liaoning, Shaanxi, Heilongjiang), Korea, Mongolia, Russia (Far East).
107. **Saussurea oligantha** Franch. 1896, J. Bot. (Morot) 10: 421.-*S. oligantha* var. *oligolepis* (Y. Ling) X. Y. Wu; *S. oligantha* var. *parvifolia* Y. Ling; *S. oligolepis* Y. Ling.-1300-3800 m.-China (Gansu, Sichuan, Shanxi, Hubei, Henan, Chongqing, Xizang, Yunnan)
108. **Saussurea oxyodonta** Hultén, 1930, Fl. Kamtch. 4: 207.-Russia (East Siberia, Far East).
109. **Saussurea paleata** Maxim. 1859, Mem. Acad. Imp. Sci. St.-Petersbourg Divers Savans 9: 168.-*S. corymbosa* F. H. Chen; *S. eriolepis* Bunge ex DC var. *paleata* (Maxim.) Herder.-1700-2200 m.-China (Hebei).
110. **Saussurea pantlingiana** W.W. Smith, 1911, in J. et Pro. Asiat. Soc. Bengal n.s. 7, 3: 73.-about 4000 m.-India (Sikkim).
111. **Saussurea parviflora** (Poiret) DC. 1810, Ann. Mus. Natl. Hist. Nat. 16: 200.-*S. atriplicifolia* Fisch. ex Herder; *S. chowana* F. H. Chen; *S. parviflora* var. *atriplicifolia* (Fisch. ex Herder) Hand.-Mazz.; *S. parviflora* var. *cinerascens* Hand.-Mazz.; *S. parviflora* var. *cuspidata* Hand.-Mazz.; *S. stolbensis* Stepanov; *S. schweingruberi* Stepanov; *Serratula parviflora* Poiret in Lam.-1600-3800 m.-Kazakhstan, China (Inner Mongolia?, Gansu, Ningxia, Xinjiang, Sichuan, Hebei, Qinghai, Yunnan), Mongolia, Russia (European Part, West Siberia, East Siberia, Far East).
112. **Saussurea pectinata** Bunge ex DC. 1838, Prodr. 6: 538.-*S. davidii* Franch.; *S. davidii* var. *macrocephala* Franch.; *S. pectinata* var. *macrocephala* (Franch.) Hand.-Mazz.; *S. pectinata* var. *pekinensis* Maxim.-300-1900 m.-China (Inner Mongolia, Gansu, Jilin, Liaoning, Shandong, Shanxi, Shaanxi, Hebei, Heilongjiang, Henan)
113. **Saussurea peduncularis** Franch. 1888, J. Bot. (Morot) 2: 357.-*S. peduncularis* var. *corymbosa* Franch.; *S. peduncularis* var. *diversifolia* Franch.; *S. peduncularis* var. *lobata* Franch.-2800-3500 m.-China (Yunnan).
114. **Saussurea petiolata** Kom. ex Lipsch. 1972, Bot. Zhurn., 57(6): 681.-Russia (Far East).
115. **Saussurea pinetorum** Hand.-Mazz. 1936, Symb. Sin. 7: 1150.-*S. ionodasys* Hand.-Mazz.-1900-3800 m.-China (Sichuan, Chongqing, Yunnan).
116. **Saussurea piptathera** Edgew. 1846, in Trans. Linn. Soc. 20: 76.-*Aplotaxis discolor* DC.-3500-4600 m.-India (Sikkim, Uttar Pradesh, Himachal Pradesh), Nepal.
117. **Saussurea platypoda** Hand.-Mazz., Symb. Sin. 7: 1152. 1936. 2900-3300 m.-China (Sichuan).
118. **Saussurea poljakowii** Glehn, 1876, Act. Hort. Petrop. 4: 60.-Russia (East Siberia, Far East).
119. **Saussurea polygonifolia** F. H. Chen, 1938, Bull. Fan Mem. Inst. Biol., Bot. 8: 125.-China (Yunnan).
120. **Saussurea polylepis** Nakai, 1931, Bot. Mag. (Tokyo) 45: 522.-Korea.
121. **Saussurea populifolia** Hemsl. 1892, J. Linn. Soc., Bot. 29: 311.-*S. acropilina* Diels.-1700-3600 m.-China (Gansu, Sichuan, Chongqing, Hebei, Henan, Xizang, Shanxi, Yunnan).
122. **Saussurea porcii** Degen, 1904, Magyar Bot. Lapok 3: 311.-Румыния, Ukraine.
123. **Saussurea pratensis** Anth. 1934, Notes Roy. Bot. Gard. Edinb. 18: 210.-2000-3100 m.-China (Yunnan).
124. **Saussurea pseudoalpina** N. D. Simpson, 1913, J. Linn. Soc., Bot. 41: 427.-*S. ambigua* Kryl. ex Serg.-до 2900 m.-Kazakhstan, China (Xinjiang), Mongolia, Russia (West Siberia).
125. **Saussurea pseudoangustifolia** Lipsch. 1954, Not. Syst. Herb. Inst. Bot. Acad. Sci. URSS, 16: 451.-Russia (East Siberia, Far East).

126. *Saussurea pseudobullockii* Lipsch. 1964, Novosti Sist. Vyssh. Rast. 1964: 321.-2700-2800 m.-China (Gansu).
127. *Saussurea pseudogracilis* Kitam. 1936, Acta Phytotax. Geobot. 5(4): 246.-Korea (south).
128. *Saussurea pseudojulongensis* Y. S. Chen, 2015, Phytotaxa, 213 (3): 206.-2500-4300 m.-China (Sichuan).
129. *Saussurea pseudosquarrosa* Popov & Lipsch. 1961, Not. Syst. Herb. Inst. Bot. Acad. Sci. URSS, 21: 373.-Russia (East Siberia).
130. *Saussurea pseudotilesii* Lipsch. 1954, Not. Syst. Herb. Inst. Bot. Acad. Sci. URSS, 16: 451.-Russia (Far East).
131. *Saussurea purpurata* (Fisch. ex Herder) Lipsch.-*Serratula purpurata* Fisch. ex Herd.-Russia (West Siberia, East Siberia).
132. *Saussurea recurvata* (Maxim.) Lipsch. 1961, Bot. Mater. Gerb. Bot. Inst. Kom.a Akad. Nauk S.S.S.R. 21: 374.-*S. elongata* DC var. *recurvata* Maxim.; *S. parasclerolepis* A. I. Baranov & Skvortsov; *S. recurvata* var. *angustata* H. C. Fu; *S. sclerolepis* Nakai & Kitag. var. *parasclerolepis* (A. I. Baranov & Skvortsov) C. Y. Li.-1000-2900 m.-China (Inner Mongolia, Gansu, Jilin, Liaoning, Ningxia, Heilongjiang, Shanxi), Korea, Mongolia, Russia (Far East).
133. *Saussurea retroserrata* Y. L. Chen & S. Yun Liang, 1981, Acta Phytotax. Sin. 19: 97.-about 3500 m.-China (Xizang).
134. *Saussurea riederi* Herd. 1868, Bull. Soc. Nat. Mosc. 41: (1868) II. 35.- Russia (Far East), Japan (Hokkaido, Honshu).
135. *Saussurea rotundifolia* F. H. Chen, 1935, Bull. Fan Mem. Inst. Biol., Bot. 6: 98.-*S. tenella* Y. Ling.-3100-3300 m.-China (Sichuan, Shanxi).
136. *Saussurea sachalinensis* Fr. Schmidt.-Russia (Far East), Japan (Hokkaido).
137. *Saussurea sagitta* Franch. 1897, Bull. Herb. Boiss. 5: 540.-*S. yanagitae* Kadota-Japan (Honshu).
138. *Saussurea sajanensis* Gadoschn. 1955, Animadvers. Syst. Herb. Univ. Tomsk., 7 [1954].-Russia (West Siberia).
139. *Saussurea saxosa* Lipsch. 1954, Not. Syst. Herb. Inst. Bot. Acad. Sci. URSS, 16: 456.-Uzbekistan, Tajikistan.
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166. *Saussurea tsinlingensis* Hand.-Mazz. 1936, Oesterr. Bot. Zeitschr. 85: 223.-1500-2000 m.-China (Gansu, Sichuan, Shaanxi).
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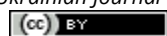
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