

Atlas Florae Europaeae notes. 14

Nomenclatural adjustments in *Hylotelephium* (Crassulaceae) and new combinations in *Saxifraga* (Saxifragaceae)

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Despite a recent proposal, *Sedum decumbens* Lucé is hardly available as basionym in designating a member of the *Hylotelephium maximum* group. On the other hand, there are good reasons to add the Caucasian representative of the group, *H. caucasicum* (Grossh.) Ohba (based on *Sedum maximum* (L.) Hoffm. var. *caucasicum* Grossh.) into the synonymy of *Hylotelephium maximum* (L.) Holub subsp. *ruprechtii* (Jalas) Dostál. The following new nomenclatural combinations are proposed: *Saxifraga exarata* Vill. subsp. *carniolica* (Huter) Jalas, *S. exarata* subsp. *basaltica* (Braun-Blanq.) Jalas, and *S. pedemontana* All. subsp. *pedatifida* (Bonnier & Layens) Jalas.

Key words: Caucasian flora, Crassulaceae, European flora, nomenclature, *Hylotelephium*, *Saxifraga*, Saxifragaceae, *Sedum*, taxonomy

Sedum decumbens Lucé

Byalt (1995: 34–36) introduced the name *Sedum decumbens* Lucé (1823: 142) as a basionym for *Hylotelephium decumbens* (Lucé) V. Byalt, a plant very close or plain conspecific with *H. maximum* (L.) Holub. This is a hazardous measure which ought to be dismissed for the following reasons.

First of all, the sequence and construction of the descriptions of the *Sedum* species (in all seven) by Lucé (1823) point out the marked differences between *S. decumbens* and the two antecedent spe-

cies *S. telephium* L. and *S. maximum* (L.) Hoffm. (sic!), given *in extenso* below:

“*S. Telephium*, fol. planiusculis serratis, corymbo folioso, caule erecto. In umbrosis, flor. Aug. Sept.

S. maximum, fol. planiusculis oppositis subdentatis, corymbis axillaribus. Locis aridis, flor. aestate.

**S. decumbens*, flor. terminalibus, fol. ovatis oppositis, caulibus decumbentibus dichotomis carnosiss. Ad littora maris, prope Casti, flor. Aug.”

(* stands for species not present in “Hoffmanns Flora germanica von 1794 u. 95 ...”).

The remaining four species are in succession *Sedum rupestre* L., *S. album* L., *S. atratum* L., and *S. acre* L.

Provided, as it seems, that Lucé (1823) followed the Central European tradition, the two first species correspond with the present taxa *Hylotelephium telephium* and *H. maximum*, respectively. The third, *Sedum decumbens*, most probably falls outside the “*telephium* group”. Within *Hylotelephium*, the description of *Sedum decumbens* fits in well for instance with *H. ewersii* Ledeb.

***Hylotelephium maximum* (L.) Holub subsp. *ruprechtii* (Jalas) Dostál**

Folia Mus. Rerum Nat. Bohem. Occ., Bot. 21: 7. 1984.

The essential synonymy summarized: *Sedum telephium* L. subsp. *ruprechtii* Jalas, Ann. Bot. Soc. Zool. — Bot. Fenn. Vanamo 26(3): 33–34. 1954. — *S. maximum* (L.) Hoffm. subsp. *ruprechtii* (Jalas) Soó, Acta Bot. Acad. Scient. Hung. 9: 425–426. 1963. — *Hylotelephium telephium* (L.) Ohba subsp. *ruprechtii* (Jalas) Ohba, Bot. Mag. Tokyo 90: 53. 1977. — *Sedum ruprechtii* (Jalas) Omelczuk, Nov. Syst. Vyssh. Nizch. Rast. (Kiev) 1977: 124. 1978. — *Hylotelephium ruprechtii* (Jalas) Tzvelev, Nov. Syst. Pl. Vasc. (Leningrad) 29: 136. 1993.

Sedum polonicum Błocki, Deutsche Bot. Monatschr. 5: 66. 1897. — *Hylotelephium polonicum* (Błocki) Holub, Folia Geobot. Phytotax. (Prague) 18: 204. 1983.

Sedum glaucopruinosum O. A. Eklund, Mem. Soc. Fauna Fl. Fennica 4: 7. 1928. — *S. telephium* L. var. *glaucopruinosum* (O. A. Eklund) Hiitonon, Suomen kasvio: 420. 1932. — *S. maximum* (L.) Hoffm. subsp. *glaucopruinosum* (O. A. Eklund) Soó, Acta Bot. Acad. Scient. Hung. 9: 425–426. 1963.

Sedum maximum (L.) Hoffm. var. *caucasicum* Grossh., Fl. Kavk. 2: 226. 1930 (in error cited as *S. maximum* subsp. *caucasicum* in Grossheim 1950: 263 and in Takhtajan & Fedorov 1972: 152, footnote; correct citation by Borisova in Komarov 1939: 57). — *S. caucasicum* (Grossh.) Boriss. in Komarov, Fl. URSS 9: 57–58, 480. 1939. — *S. telephium* L. subsp. *caucasicum* (Grossh.) Takht. in A. L. Takhtajan and An. A. Fedorov, Fl. Erevana: 152. 1972. — *Hylotelephium caucasicum* (Grossh.) Ohba, Bot. Mag. Tokyo 90: 53. 1977.

Sedum telephium L. var. *stepposum* Boriss. in Komarov, Fl. URSS 9: 57. 1939, *nom. inval.* (diagn. ross.); in Klokov & Wissjul., Fl. RSS Ucr. 5: 457. 1953, *nom. inval.* (diagn. ucr.). — *S. stepposum* Boriss., [in Maevskij, Fl. sredn. pol. Evrop. časti SSSR 93. 1954, *nom. inval.* (diagn. ross.)] Nov. Syst. Pl. Vasc. (Leningrad) 6: 115. 1970 (“1969”). — *Hylotelephium stepposum* (Boriss.) Tzvelev, Nov. Syst. Pl. Vasc.

(Leningrad) 28: 163. 1991.

Saxifraga exarata* Vill. subsp. *carniolica* (Huter) Jalas, *comb. nova

Basionym: *Saxifraga moschata* Wulfen var. *carniolica* Huter, Österr. Bot. Zeitschr. 55: 195. 1905. — *S. carniolica* Huter in A. Kerner, Sched. Fl. Exsicc. Austro-Hung. 5: 52. 1888, *nom. nud.* — *S. carniolica* (Huter) Hayek & Paulin in A. v. Hayek and A. Paulin, Abh. Zool.-Bot. Ges. Wien 4(2): 102. 1907. — *S. moschata* [subsp. *eumoschata* var. *cyclopetala*] subvar. *carniolica* (Huter) Engl. & Irmsch. in Engler, Pflanzenreich 4.117. 1: 432. 1916. — *S. moschata* subsp. *carniolica* (Huter) T. Wraber in “G. Hegi, H. Merxmüller & H. Reisigl: Alpska flora, 104 (1980)” (*non vidi*) atque in N. Praprotnik, Scopolia 4: 7. 1982.

Saxifraga exarata* Vill. subsp. *basaltica* (Braun-Blanq.) Jalas, *comb. nova

Basionym: *Saxifraga moschata* Wulfen subsp. *basaltica* Braun-Blanq. in G. Hegi, Ill. Fl. Mittel-Eur. 4(2): 609. 1922. — *S. moschata* var. *basaltica* (Braun-Blanq.) H. Huber in Hegi, Ill. Fl. Mitteleur., ed. 2, 4(2A): 202. 1963.

Saxifraga pedemontana* All. subsp. *pedatifida* (Bonnier & Layens) Jalas, *comb. nova

Basionym: *Saxifraga geranioides* L. S.-E. [= subsp.] *S. pedatifida* Bonnier & Layens, Fl. France: 116. 1894.

Saxifraga prostii Sternb., Revisio Saxifr., page unknown (Prague 1831). — *S. pedemontana* All. subsp. *prostii* (Sternb.) D. A. Webb, Feddes Repert. 68 (Fl. Eur. Notulae Syst. 2): 206. 1963.

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