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Research Article

New combinations in *Koenigia* (Polygonaceae)

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Abstract: Seven new combinations are proposed here under the genus *Koenigia*. Additionally, the lectotype is designated for the name *Pleuropteropyrum mollifolium* Kitag.

Keywords: *Aconogonon,* China, Endemic, Kyrgyzstan, Myanmar, North Korea, *Pleuropteropyrum*, Russia, Tajikistan

Introduction

The genus *Koenigia* L. comprises about 54 species, distributed in the Northern Hemisphere (POWO, 2025). Presently, *Aconogonon* (Meisn.) Rchb. and *Pleuropteropyrum* H.Gross are synonymous to the genus *Koenigia* (Schuster et al., 2015). Therefore, seven validly published taxa previously placed under *Aconogonon* and *Pleuropteropyrum* are here transferred to *Koenigia*. Furthermore, a lectotype for the name *Pleuropteropyrum mollifolium* Kitag. is designated here in accordance with the guidelines and recommendations of Article 9 of the Shenzhen Code (Turland et al., 2018).

Now combinations

Koenigia brachytricha (Ohwi) R.Kr.Singh, *comb. nov.*

≡ *Polygonum brachytrichum* Ohwi, Acta Phytotax. Geobot. 7(3): 129. 1938. *Aconogonon brachytrichum* (Ohwi) Soják, Preslia 46(2): 151. 1974.

Holotype: North Korea, Komosan in Kampoku, 22 August 1933, *G. Koidzumi s.n.* (KYO).

Distribution: Korean Peninsula.

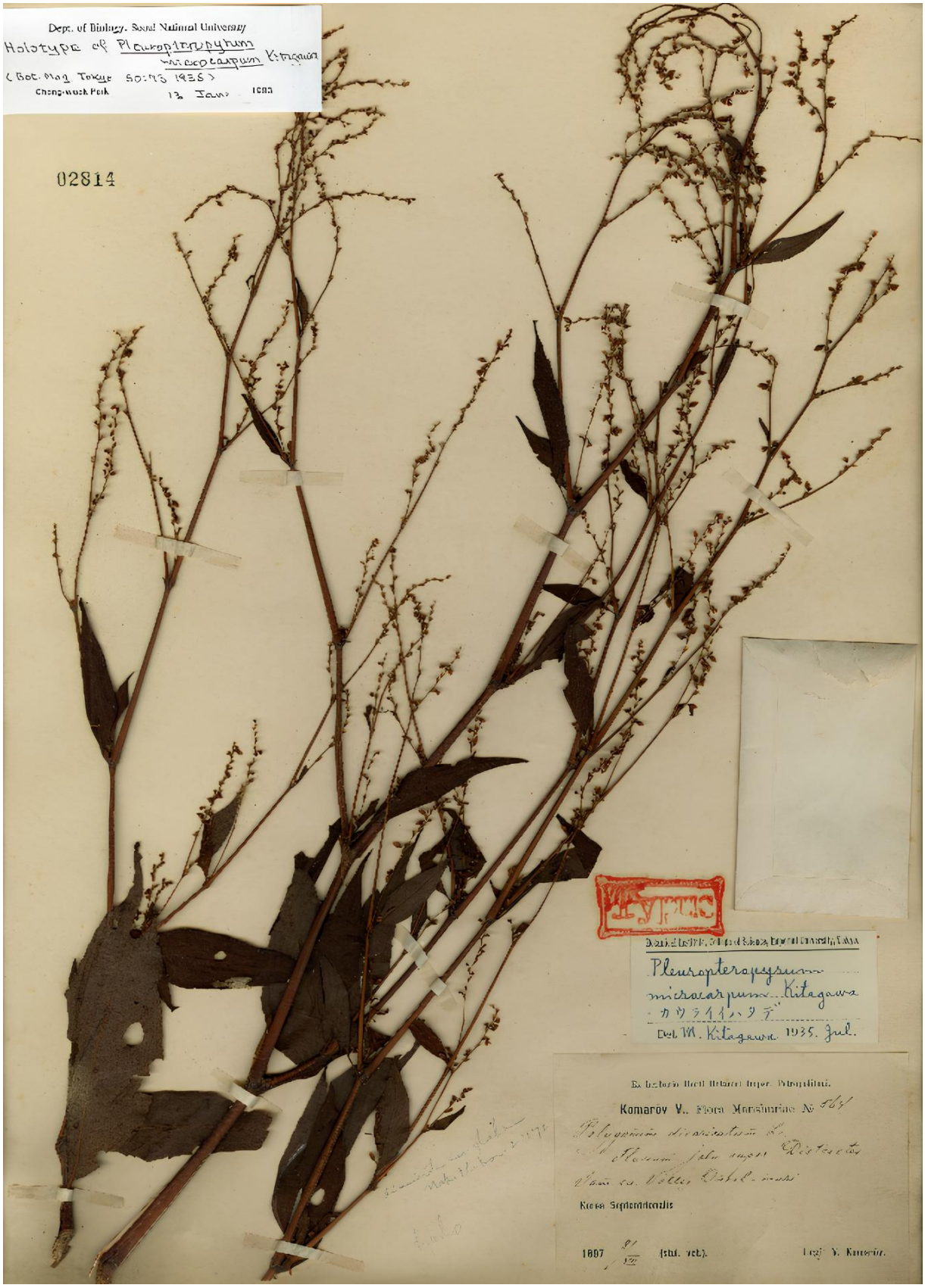


Figure 1: Holotype of *Pleuropteropyrum microcarpum* Kitag. (TI-02814, © Herbarium of University of Tokyo)



Figure 2: Lectotype of *Pleuropteropyrum mollifolium* Kitag. (TI-02817, © Herbarium of University of Tokyo)



Figure 3: Holotype of *Aconogonon rhombitepalum* S.P.Hong (E00314009, © Herbarium of Royal Botanic Garden Edinburgh)

Koenigia microcarpa (Kitag.) R.Kr.Singh, *comb. nov.*

≡ *Pleuropteropyrum microcarpum* Kitag., Bot. Mag. (Tokyo) 50: 73. 1936. *Aconogonon microcarpum* (Kitag.) H.Hara, Fl. E. Himalaya 632. 1966.

Holotype: North Korea, Province Kan-nan, Fluvium Jalu super, Sam-su district, Vallis Onkolmuri, 8 August 1897, *V.L. Komarov 564* (TI, Figure 1).

Distribution: Korean Peninsula.

Koenigia mollifolia (Kitag.) R.Kr.Singh, *comb. nov.*

≡ *Pleuropteropyrum mollifolium* Kitag., Bot. Mag. (Tokyo) 50: 75. 1936. *Aconogonon mollifolium* (Kitag.) H.Hara, Fl. E. Himalaya 632. 1966.

Lectotype (designated here): North Korea, Province Hei-nan, in monte Ro-rin-san, July 1916, *T. Mori 15* (TI, Figure 2).

Remaining syntype: North Korea, Province Hei-nan, in monte Ro-rin-san, July 1916, *T. Mori 14* (TI, Figure 2).

Distribution: Korean Peninsula.

Notes: In the protologue of *Pleuropteropyrum mollifolium* Kitag., two specimens were cited as types, one representing the flowering stage and the other the fruiting stage. To fix the application of the name, the fruiting specimen, *T. Mori 15*, is designated here as the lectotype.

Koenigia rhombitepala (S.P.Hong) R.Kr.Singh, *comb. nov.*

≡ *Aconogonon rhombitepalum* S.P.Hong, Notes Roy. Bot. Gard. Edinburgh 46(3): 361. 1990.

Holotype: Myanmar, N'Maikha-Salwin divide, western flank of Chimili, 26°23' N, 98°48' E, 11000 ft., September 1924, ***G. Forrest 25039*** (E00314009!, Figure 3); isotypes BM000950655!, K000831133!, NY02649472!.

Distribution: China (Yunnan) and Myanmar.

Koenigia sajanensis (Stepanov) R.Kr.Singh, *comb. nov.*

≡ *Aconogonon sajanense* Stepanov, Vestn. Krasnoyarsk. Gosud. Agrar. Univ. 7: 125. 2015.

Holotype: Russia, Krasnoyarsk, Karatuzsky district, West Sayan, Taygish river near the Kubik locus, 5 July 2013, *N.V. Stepanov s.n.* (KRSU); isotype KRSU.

Distribution: Russia (Siberia, Krasnoyarsk).

Koenigia zakirovii (Czevr.) R.Kr.Singh, *comb. nov.*



Figure 4: Type of *Polygonum zakirovii* Czevr. (TASH000779, © National Herbarium of Uzbekistan, Tashkent)

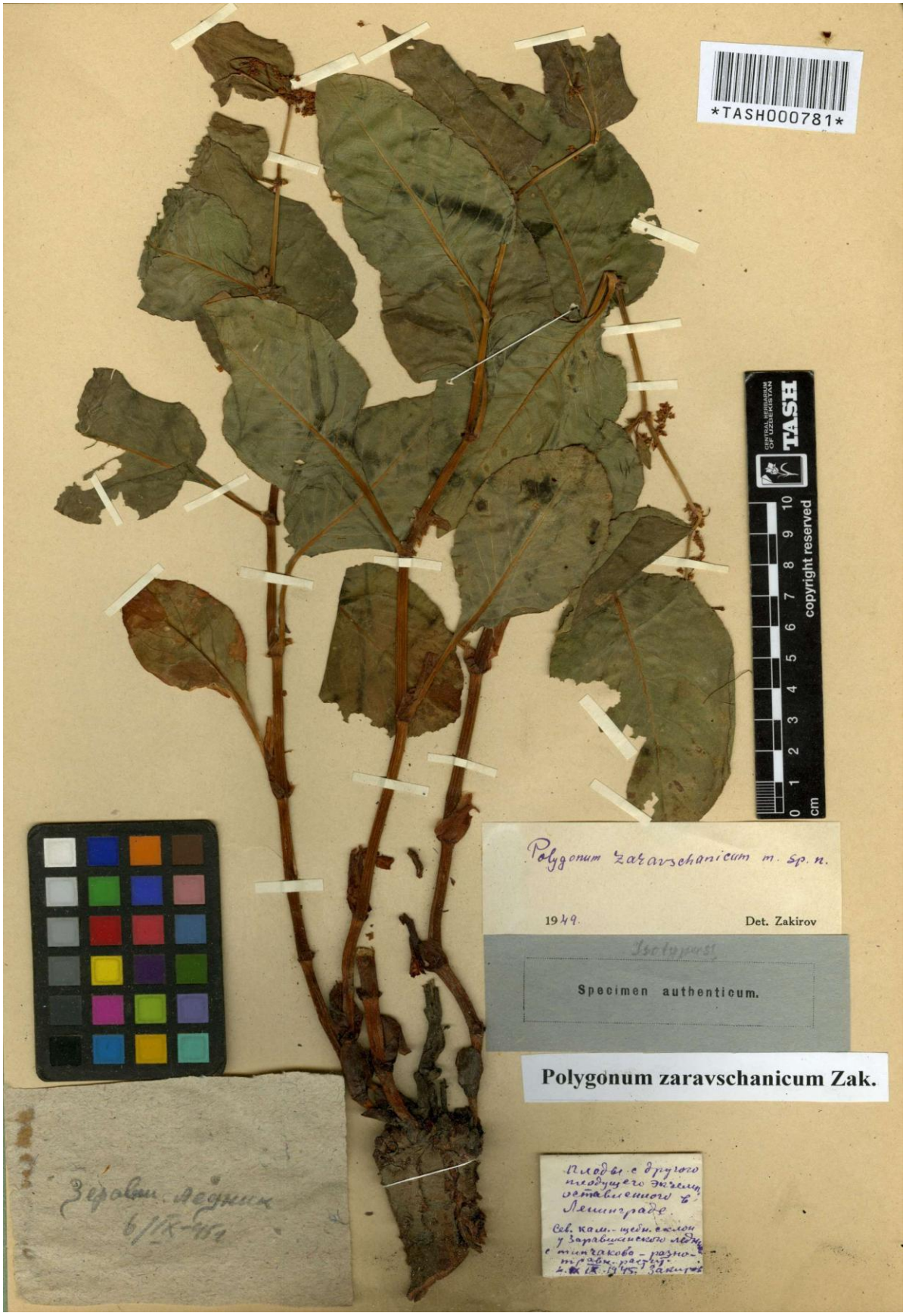


Figure 5: Type of *Polygonum zaravschanicum* Zakirov (TASH000781, © National Herbarium of Uzbekistan, Tashkent)

≡ *Polygonum zakirovii* Czevr., Ecol.-Biol. Osobenn. Vazhn. Cyreb. Rast. Cult. 181. 1978. *Aconogonon zakirovii* (Czevr.) Tzvelev, Novosti Sist. Vyssh. Rast. 29: 62. 1993.

Type: Kyrgyzstan (TASH000779!, Figure 4).

Distribution: Kyrgyzstan.

Koenigia zaravschanica (Zakirov) R.Kr.Singh, *comb. nov.*

≡ *Polygonum zaravschanicum* Zakirov, Bot. Mater. Gerb. Bot. Inst. Komarova Akad. Nauk S.S.S.R. 13: 38. 1950. *Aconogonon zaravschanicum* (Zakirov) Soják, Preslia 46(2): 151. 1974.

Type: Tajikistan (TASH000781!, Figure 5).

Distribution: Tajikistan.

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