

STUDIES ON CRUCIFERAE: II. NEW NAMES FOR RHYNCHOSINAPIS SPECIES UNDER HUTERA

by

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Hutera rupestris Porta and *H. leptocarpa* González-Albo have been shown to constitute two gradative cases of morphological variation within a clinal series which extends throughout East Sierra Morena range in south central Spain (GÓMEZ-CAMPO, 1977). The series also involves two *Rhynchosinapis* species. From a taxonomic point of view, there are no further reasons to maintain both genera separated in the future. The priority do not correspond to *Rhynchosinapis* Hayek, 1911 but to *Hutera* Porta, 1891. All those taxa which had been formerly included in *Rhynchosinapis* should therefore be renamed under *Hutera*. The names *H. hispida* and *H. longirostra* have been already proposed in the above mentioned article. However, they are also included below, together with *H. rupestris* and *H. leptocarpa* in order to make the list more complete.

1. ***Hutera cheiranthos*** (Vill.) Gómez-Campo *comb. nov.* Basion. *Brassica cheiranthos* Vill., *Prosp. Pl. Dauph.* 40 (1779). Syn. *Rhynchosinapis cheiranthos* (Vill.) Dandy.

——— var. ***petrosa*** (Jordan) Gómez-Campo *comb. nov.* Basion. *Brassica petrosa* Jord., *Diagn.* 1, 185 (1864).

——— var. ***montana*** (DC.) Gómez-Campo *comb. nov.* Basion. *Brassica montana* DC. in Lam. et DC., *Fl. Franc.* ed. 4: 651 (1805).

——— subsp. ***nevadensis*** (Willk.) Gómez-Campo *comb. nov.* Basion. *Brassica cheiranthos* Vill. var. *nevadensis* Willk., in Willk. et Lange, *Prodr. Fl. Hisp.* 3: 836 (1880).

2. ***Hutera coincyoides*** (Humbert et Maire) Gómez-Campo *comb.*

nov. Basion. *Brassicella coincoyoides* Humbert et Maire in *Contrib. Étude Fl. Afrique Nord*, **11**: add. 232 (1930).

The status of infra-specific taxa of this species should be further investigated before proposing the corresponding new combinations.

3. **Hutera hispida** (Cav.) Gómez-Campo.

— — var. **deflexa** Gómez-Campo.

— — var. **brachycarpa** Gómez-Campo.

— — var. **granatensis** (O. E. Schulz) Gómez-Campo *comb.*

nov. Basion. *Brassicella valentina* var. *granatensis* O. E. Schulz in Engler *Pflanzenr.* IV, 105: 114 (1919).

— — subsp. **transtagana** (P. Cout.) Gómez-Campo *comb.*

nov. Basion. *Sinapis longirostris* Boissier subsp. *transtagana* P. Cout., *Fl. Port.* 259 (1913).

A number of geographical variants of this species in central and southern Spain remain to be adequately characterized and described.

4. **Hutera johnstonii** (Sampaio) Gómez-Campo *comb. nov.* Basion. *Brassica johnstonii* Sampaio in Nobre, *Annaes Sc. Nat.* **10**: 8 (1906). Syn. *Rhynchosinapis johnstonii* (Sampaio) Heywood.

5. **Hutera leptocarpa** González-Albo.

6. **Hutera longirostra** (Boiss.) Gómez-Campo.

7. **Hutera monensis** (L.) Gómez-Campo *comb. nov.* Basion. *Sisymbrium monense* L., *Spec. Plant.* ed. 1, 2: 658 (1753). Syn. *Rhynchosinapis monensis* (L.) Dandy.

7. **Hutera nivalis** (Boiss. et Heldr.) Gómez-Campo *comb. nov.* Basion. *Brassica nivalis* Boiss. et Heldr. in Boiss., *Diagn. Pl. Or.* **2 (1)**: 32 (1853). Syn. *Rhynchosinapis nivalis* (Boiss. et Heldr.) Heywood.

9. **Hutera pseuderucastrum** (Brot.) Gómez-Campo *comb. nov.* Basion. *Brassica pseuderucastrum* Brot., *Fl. Lusit.* **1**: 581 (1804). Syn. *Rhynchosinapis pseuderucastrum* (Brot.) Franco.

— — subsp. **cintrana** (Coutinho) Gómez-Campo *comb. nov.* Basion. *Brassica pseudoeurocastrum* Brot. forma *cintrana* P. Cout., *Fl. Port.* ed. 1: 261 (1913).

— — subsp. **setigera** (Gay ex Lange) Gómez-Campo *comb. nov.* Basion. *Sinapis setigera* J. Gay ex Lange, *Vidensk. Meddel Kjøbenh* 76 (1865).

10. **Hutera richeri** (Vill.) Gómez-Campo *comb. nov.* Basion. *Brassica richeri* Vill., *Prosp. Pl. Dauph.* 40 (1779). Syn. *Rhynchosinapis richeri* (Vill.) Heywood.

11. **Hutera rupestris** Porta.

12. **Hutera wrightii** (O. E. Schulz) Gómez-Campo *comb. nov.* Basion. *Brassicella wrightii* O. E. Schulz apud Elliston-Wright in *Journ. Bot. London* 74 suppl. 1: 1 (1936).

L I T E R A T U R E

Gómez-Campo, C. — 1977 — Clinal variation and evolution in the *Hutera-Rhynchosinapis* complex of Sierra Morena (south-central Spain) — *Bot. J. Linnean Soc.* (in press).

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