

Notes

Hiroyoshi OHASHI^a and Kazuaki OHASHI^b: **New Combinations in *Potentilla* with *Duchesnea* (Rosaceae)**

ヘビイチゴ属のキジムシロ属への合一にともなう新学名 (大橋広好^a, 大橋一晶^b)

Summary: Based on a generic concept of *Potentilla* including *Duchesnea* four new combinations are proposed: *Potentilla indica* var. *microphylla* (Yü & Ku) H. Ohashi, *P. indica* f. *albocaput* (Naruh.) H. Ohashi, *P. chrysantha* f. *leucocephala* (Makino) H. Ohashi and *P. ×harakurosawae* (Naruh. & M. Sugim.) H. Ohashi.

Duchesnea has traditionally been treated as a distinct genus from *Potentilla* in Floras of China and East Asia (for example, in recent publication: Kuan 1985, Ohashi 1993, Czerepanov 1995, Lee 1996, Naruhashi 2001, Boufford et al. 2003, Li et al. 2003). However, Kalkman (1968, 2004) united the two genera under *Potentilla*. His generic concept is supported by recent molecular phylogenetic analyses that *Duchesnea* is strongly suggested as nested within *Potentilla* (Eriksson et al. 1998, Eriksson et al. 2003). We concur with the generic concept of *Potentilla* including *Duchesnea* and propose the following new combinations.

1. ***Potentilla chrysantha*** (Zoll. & Moritzi) Trevir. f. ***leucocephala*** (Makino) H. Ohashi, comb. nov.

Duchesnea indica (Andrews) Focke var. *leucocephala* Makino in J. Jap. Bot. **7**: 6 (1931).

Duchesnea indica (Andrews) Focke var. *leucocephala* (Makino) H. Hara in J. Jap. Bot. **34**: 166 (1959).

Duchesnea chrysantha (Zoll. & Moritzi) Miq. f. *leucocephala* (Makino) H. Hara in J. Jap. Bot. **34**: 166 (1959); Naruhashi in Fl. Jap. **IIb**: 190 (2001).

2. ***Potentilla ×harakurosawae*** (Naruh. &

M. Sugim.) H. Ohashi, comb. nov.

Hybrid formula: *Potentilla chrysantha* (Zoll. & Moritzi) Trevir. × *P. indica* (Andrews) Th. Wolf.

Basionym: *Duchesnea ×harakurosawae* Naruh. & M. Sugim. in J. Phytogeogr. Taxon. **34**: 11 (1986) et in Fl. Jap. **IIb**: 193 (2001) = *Duchesnea chrysantha* (Zoll. & Moritzi) Miq. × *D. indica* (Andrews) Focke.

3. ***Potentilla indica*** (Andrews) Th. Wolf var. ***microphylla*** (Yü & Ku) H. Ohashi, comb. nov.

Duchesnea indica (Andrews) Focke var. *microphylla* Yü & Ku in Acta Phytotax. Sin. **18**: 500 (1980); Kuan in Fl. Reip. Popul. Sin. **37**: 358 (1985); C. L. Li & al. in Fl. China **9**: 339 (2003).

4. ***Potentilla indica*** (Andrews) Th. Wolf var. ***indica*** f. ***albicaput*** (Naruh.) H. Ohashi, comb. nov.

Duchesnea indica (Andrews) Focke f. *albicaput* Naruh. in J. Phytogeogr. Taxon. **40**: 131 (1992) et in Fl. Jap. **IIb**: 193 (2001).

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- へビイチゴ属をキジムシロ属に合一する見解に従って、シロミノへビイチゴ *Potentilla chrysantha* f. *leucocephala* (Makino) H. Ohashi, アイノコへビイチゴ *P. xharakurosawae* (Naruh. & M. Sugim.) H. Ohashi, シロミノヤブへビイチゴ *P. indica* (Andrews) Th. Wolf f. *albicaput* (Naruh.) H. Ohashi および中国産の *P. indica* var. *microphylla* (Yü & Ku) H. Ohashi の新組み合わせを発表した。
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Hiroyoshi OHASHI^a and Kazuaki OHASHI^b: A New Combination in *Crepidiastrum* (*Compositae*)

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Summary: A new combination *Crepidiastrum denticulatum* f. *pinnatipartitum* (Makino) H. Ohashi & K. Ohashi is validated.

Recently *Paraixeris* was merged with *Crepidiastrum* (Park and Kawano 1992). We follow this generic concept and recognized two nothospecies in *Crepidiastrum* (Ohashi and Ohashi 2007). In the study we noted that *Paraixeris pinnatipartita* (Makino) Tzvel. was recognized by Shih (1997) as a distinct species in China, whereas it was regarded by Pak and Kawano (1992) as synonymous with *Crepidiastrum denticulatum*. The species was originally described by Makino (1898) as a 'lusus' under α . *typica* of *Lactuca denticulata* (Houtt.) Maxim., because it was

distinguished from the typical form only by pinnatifid or parted lower and middle stem leaves. The species has usually been treated at the rank of forma in Japan even if it has been recognized in different genera, e.g., *Paraixeris* by Nakai (1920), *Ixeris* by Kitagawa (1939), and *Youngia* by Kitamura (1942) and Koyama (1995). After comparing *P. pinnatipartita* in China with *P. denticulata* f. *pinnatipartita* in Japan, we recognize that plants from both countries are identical. The pinnatifid or parted leafy character seems to be overestimated for recognition of the plant at the rank of species. We consider that it should be distinguished at the rank of form. Although a new combination for the form under *Crepidiastrum* seems to