

D.F.K. von Schlechtendal's examination of *Potentilla* species in C.L. von Willdenow's herbarium published in 1816 – a nomenclatural correction

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Abstract: Braun, U. & Heuchert, B. 2013: D.F.K. von Schlechtendal's examination of *Potentilla* species in C.L. von Willdenow's herbarium published in 1816 – a nomenclatural correction. *Schlechtendalia* 27: 1–4.

In *Index Kewensis* and in important databases [IPNI (International Plant Name Index), Tropicos as well as The Plant List], numerous new *Potentilla* species described by Schlechtendal (1816b) have been ascribed to D.F.L. von Schlechtendal (abbreviated as “Schltdl.”), but the genuine author of the paper concerned is D.F.K. von Schlechtendal (abbreviated as D.F.K. Schltdl.), his father.

Zusammenfassung: Braun, U. & Heuchert, B. 2013: D.F.K. von Schlechtendals Untersuchung von *Potentilla*-Arten in C.L. von Willdenows Herbarium publiziert im Jahr 1816 – eine nomenklatorische Korrektur. *Schlechtendalia* 27: 1–4.

Im *Index Kewensis* und auch in wichtigen Datenbanken [IPNI (International Plant Name Index), Tropicos und The Plant List] wurden zahlreiche neue *Potentilla*-Arten D. F. L. von Schlechtendal (abgekürzt als Schltdl.) zugeordnet, aber der wirkliche Autor der betreffenden Arbeit ist D. F. K. von Schlechtendal (abgekürzt als D. F. K. Schltdl.), sein Vater.

Key words: Nomenclature, Rosaceae, authorship

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Introduction

C.L. von Willdenow (1765–1812) was one of the most significant and influential early German botanists. His herbarium contained specimens of most *Potentilla* species described up to his decease. After his death, D.F.K. von Schlechtendal (1767–1842), one of Willdenow's companions, examined his *Potentilla* collections and published in 1816 his results including an enumeration of species, discussions, and descriptions of several new species. In *Index Kewensis* (Fasc. 3, 1894) as well as important databases [IPNI (International Plant Name Index), Tropicos, and The Plant List], new species published in Schlechtendal (1816b) were ascribed to D.F.L. von Schlechtendal (1794–1866) [abbreviated as Schltdl.], but the genuine author of this paper is D.F.K. von Schlechtendal (abbreviated as D.F.K. Schltdl.), his father, Oberlandesgerichts-Präsidenten in Paderborn, Germany (see Stafleu & Cowan 1985: 204). The first name of the author was not given in the paper concerned, which was probably the reason for the confusion of Schlechtendal pat. and Schlechtendal fil. Therefore, the authorship of all new *Potentilla* species and varieties described in Schlechtendal (1816b) has to be corrected from “Schltdl.” to “D.F.K. Schltdl.” This case is comparable with similar confusion around several *Arenaria* and *Stellaria* names introduced by Schlechtendal (1816a), which have recently been discussed and elucidated in Braun & Heuchert (2013).

Results

The following list contains names of new *Potentilla* species and varieties described by Schlechtendal (1816b) with corrected author citations. Some omissions and mistakes in databases are listed under notes. Type collections of some of the listed species have been traced in the herbarium HAL. They are cited under the species concerned.

Potentilla alchemilloides Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7: 291, 1816

Notes: Lacking in Tropicos.

Potentilla angustifolia Willd. ex D.F.K. Schltdl., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7: 296, 1816

Notes: Lacking in Tropicos.

Potentilla biflora D.F.K. Schltld., Mag. Neuesten Entdeck. Gesamnten Naturk. Ges. Naturf. Freunde Berlin 7: 297, 1816

Notes: In Tropicicos with wrong year (“1813”).

Potentilla candicans Humb. & Bonpl. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesamnten Naturk. Ges. Naturf. Freunde Berlin 7: 285, 1816

Potentilla cinerea Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesamnten Naturk. Ges. Naturf. Freunde Berlin 7: 296, 1816

Notes: Lacking in Tropicicos.

Potentilla depressa Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesamnten Naturk. Ges. Naturf. Freunde Berlin 7: 289, 1816

Type: Tauria, P.S. von Pallas, ex herb. Willdenow (HAL 119917).

Potentilla elatior Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesamnten Naturk. Ges. Naturf. Freunde Berlin 7: 295, 1816

Potentilla filipendula Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesamnten Naturk. Ges. Naturf. Freunde Berlin 7: 286, 1816

Notes: In Tropicicos with wrong page (“296”).

Potentilla flagellaris Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesamnten Naturk. Ges. Naturf. Freunde Berlin 7: 291, 1816

Potentilla fragarioides Willd. ex D.F.K. Schltld. (nom. nud.), Mag. Neuesten Entdeck. Gesamnten Naturk. Ges. Naturf. Freunde Berlin 7: 285, 1816

Potentilla fragiformis Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesamnten Naturk. Ges. Naturf. Freunde Berlin 7: 294, 1816

Potentilla fruticosa var. *grandiflora* Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesamnten Naturk. Ges. Naturf. Freunde Berlin 7: 284, 1816

Notes: Not listed in IPNI, but in Tropicicos with wrong page (285).

Potentilla fruticosa var. *pyrenaica* Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesamnten Naturk. Ges. Naturf. Freunde Berlin 7: 284, 1816

Notes: In IPNI and Tropicicos not listed.

Potentilla glabrata Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesamnten Naturk. Ges. Naturf. Freunde Berlin 7: 285, 1816

Potentilla glaucescens Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesamnten Naturk. Ges. Naturf. Freunde Berlin 7: 289, 1816

Potentilla humifusa Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesamnten Naturk. Ges. Naturf. Freunde Berlin 7: 289, 1816

Potenilla hungarica Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesamnten Naturk. Ges. Naturf. Freunde Berlin 7: 289, 1816

Notes: Lacking in Tropicicos.

Potentilla laxa Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesamnten Naturk. Ges. Naturf. Freunde Berlin 7: 289, 1816

Type: Russia, Wolga, P.S. von Pallas, ex herb. Willdenow (HAL 119928).

Notes: Lacking in Tropicicos.

Potentilla lignosa Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesamnten Naturk. Ges. Naturf. Freunde Berlin 7: 293, 1816

Type: Westjordanland, Samarisches Schneegebirge, P.S. von Palla, ex herb. Willdenow (HAL 119929).

Potentilla longifolia Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesamnten Naturk. Ges. Naturf. Freunde Berlin 7: 287, 1816

Potentilla lucida Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7: 296, 1816
 Type: Alaska, Unalashka, P.S. von Pallas, ex herb. Willdenow (HAL 119930).
 Notes: Lacking in Tropicicos.

Potentilla macrorrhiza Willd. ex D.F.K. Schltld. [as *macrorrhiza*], Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7: 292, 1816
 Notes: Lacking in Tropicicos.

Potentilla nana Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7: 296, 1816
 Notes: In Tropicicos with wrong year (“1813”).

Potentilla nudicaulis Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7: 287, 1816
 Notes: In Tropicicos with wrong page (“286”).

Potentilla petraea Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7: 292, 1816
 Notes: Lacking in Tropicicos.

Potentilla poterioides Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7: 286, 1816
 Notes: Lacking in Tropicicos.

Potentilla pyrenaica Willd. ex D.F.K. Schltld. (nom. superfl.), Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7: 292, 1816
 Notes: Lacking in Tropicicos.

Potentilla rubra Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7: 292, 1816
 Notes: In Tropicicos with wrong year (“1815”) and page (“272”).

Potentilla sanguisorba Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7(3): 286, 1816

Potentilla tanacetifolia Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7: 286, 1816

Potentilla taurica Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7: 291, 1816
 Type: Tauria, P.S. von Pallas, ex herb. Willdenow (HAL 119934).

Potentilla tenuifolia Willd. ex D.F.K. Schltld., Mag. Neuesten Entdeck. Gesammten Naturk. Ges. Naturf. Freunde Berlin 7: 285, 1816
 Type: Russia, Siberia, P.S. von Pallas, ex herb. Willdenow (HAL 119935).
 Notes: In Tropicicos with wrong year (“1813”) and page (“284”).

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