



Lectotypification of seven names of *Kobresia* (Cyperaceae) and nomenclatural notes on *Kobresia utriculata*

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Abstract

Seven names of *Kobresia* Willd. (Cyperaceae), namely *Kobresia cercostachys* (Franch.) C.B. Clarke, *Kobresia curvirostris* (C.B. Clarke) C.B. Clarke, *Kobresia filicina* (C.B. Clarke) C.B. Clarke, *Kobresia gammiei* C.B. Clarke, *Kobresia prainii* Kük., *Kobresia tibetica* Maxim. and *Kobresia vidua* (Boott ex C.B. Clarke) Kük. are lectotypified as a part of the current revision of this genus for India. The nomenclature of *K. utriculata* C.B. Clarke is discussed.

Key words: Cyperaceae; *Kobresia*; Lectotype; revision

Introduction

During the course of studies on “Taxonomic revision of the genus *Kobresia* Willd. (Cyperaceae) in India”, under the Flora of India Project of the Botanical Survey of India, the authors came across syntypes of some *Kobresia* species in the CAL herbaria. Scrutiny of the literature and study of the digital images of type specimens housed in foreign herbaria (A, B, K, BM, E, P, TI) revealed that there is the necessity for typification of seven names of *Kobresia* and discussion of the nomenclature of *Kobresia utriculata* C.B. Clarke (= *K. prainii* Kük.).

1. *Kobresia cercostachys* (Franch.) C.B. Clarke in J. Linn. Soc., Bot. 36: 267. 1903. *Carex cercostachys* Franch. In Bull. Soc. Philom. Paris ser. 8, 7: 27.1895 & in Nouv. Arch. Mus. Paris ser. 3, 8: 191.1896. **Lectotype (designated here):** Plantes de Chine (Province du Yun-nan), 3500 m, 7 August 1888, M. l'Abbé Delavay 3403 (**Lectotype**, image seen: barcode no. P00077192!, isolectotypes: P, image seen: barcode numbers P00077193!, P00077194!, P00077195!, P00077196!; E, images seen: barcode numbers E00386836!, E00386837!; K, images seen: barcode number K000794704!).

Franchet (1895) in the protologue of *Carex cercostachys* cited the Delavay collection: ‘Chine occid.; Yunnan, col de Yen-tze-hay (Delavay) and at the end of the title of his paper mentioned ‘d’après les collections du Muséum’ [that is, Museum = P]. Later C. B. Clarke transferred it to *Kobresia* as *K. cercostachys* (Franch.) C.B. Clarke. We have not examined any sheets of the Delavay collection but we have seen images of eight sheets of the collection of M. l'Abbeé Delavay collected from the Yunan Province of China, and all bearing the same label data as in the protologue. These are the five sheets in P (barcode numbers P00077192!, P00077193!, P00077194!, P00077195!, P00077196!) two sheets in E (barcode numbers E00386836!, E00386837!) and single in K (barcode no. K000794704!) herbaria. As mentioned by the Franchet in the protologue, the main set of Franchets specimens are deposited in P herbaria. There is one sheet (barcode no. P00077192) bearing the determination slip of C.B. Clarke and sketch by anonymous person. There is no indication that Franchet used any particular specimen for description. All the sheet bear mostly identical plant specimens and close to the protologue description. It is best to treat all of them as syntype and choose the specimen of barcode no. P00077192 as Lectotype. The herbarium sheet in K bears two specimens, one specimen has only a spike and culm and the other has spike, culm with basal sheaths and filiform leaves. The E herbarium sheet barcode no. E00386836 bears seven specimens of which three specimens are incomplete and the remaining are