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Lectotypification of Names in the Genus *Themeda* (Poaceae: Panicoideae)

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Summary: As a part of the taxonomic revision of the genus *Themeda* (Poaceae: Panicoideae) in India, four names are lectotypified: *T. cymbaria* Hack., *T. huttonensis* Bor, *T. laxa* (Andersson) A. Camus and *T. tremula* (Nees ex Steud.) Hack.

The genus *Themeda* Forssk. comprising 27 species is distributed in tropics and sub-tropics of the World (Veldkamp 2016). Northern India and Yunnan, China are considered to be major distribution and diversification centers for the genus (Zhang and Liu 2012). In India it is represented by 18 species of which seven are endemic (Bor 1960, Karthikeyan et al. 1989, Kabeer and Nair 2009). As a part of a revision of the genus in India, four names are lectotypified here according to Art. 9.3 of ICN (Turland et al. 2018).

Typification

Themeda cymbaria Hack. in A. DC. & C. DC, Monogr. Phan. 6: 668 (1889).

Lectotype (designated here): “CEYLON”. *Anthistiria ciliata* Retz.: Thwaites 3257 (W1916-0028232, image; Fig. 1); remaining syntypes: “Peninsula” Wight 1707, 175 (E00697622, E00697625–E00697629, E00697631, K000245970, K000911709 images); “Maisur et Carnatic” Hook. f. & Thomson (W0028864, P01943328, P01943329, images); “Ceylon” Thwaites 3803 (P01943327, W0028859 images).

In the protologue of *Themeda cymbaria*,

Hackel (1889) cited four pieces of evidences for the species that “India or. in montosis (Roxb.); Peninsula (Wight 1707, 175 [h. prop.]; Maisur et Carnatic (Hook. f. & Thoms.); Ceylon (Thwait. 3257, 3803)”. The last three of these clearly indicate herbarium specimens, while the first one “India or. in montosis (Roxb.)” might refer to a note for *Anthistiria cymbaria* sensu Roxb. in Roxburgh’s Flora Indica (1832: 251) that *A. cymbaria* “grows amongst bushes in mountains”. No relevant specimens are however found in herbaria where Roxburgh’s specimens are said to be deposited. Among the other syntypes the following specimens were found in different herbaria: Wight no. 1707, 175 in E and K, Thwaites 3257 from Ceylon in W, and specimens with annotation “Maisur et Carnatic” collected by Hooker f. and Thomson in P and W. Among all the syntypes, Thwaites 3257 present in W (W1916-0028232) is a complete specimen with roots, leaves and inflorescence. It shows diagnostic features mentioned in the protologue such as well-developed decompound panicles ca. 50 cm long, in conformity with the 1–2 m tall habit of the plant, and aristate bisexual spikelets within solitary raceme. It also belonged to Hackel’s herbarium as “Herbarium E Hackel” is stamped over it and can be attributed with almost certainty that Hackel consulted it during his study. Therefore it is designated as the lectotype of *T. cymbaria*. Other syntypes are incomplete specimens (having the inflorescence only) and hence not suitable as lectotypes.

as an isolectotype. K001131585 belongs to the Wallich Herbarium (K-W) having an original pencil written label of Nathaniel Wallich. It is a complete specimen with paniculate apex bearing filiform anthera, glabrous leaf sheath and bracts with tubercles near the edges, and therefore selected as the lectotype of *T. tremula*.

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- A.Chorghe^a, S.Dey^b, P.Lakshminarasimhan^{c,†}: メガルカヤ属 *Themeda* (イネ科) 4種のレクトタイプ指定
- イネ科キビ連のメガルカヤ属 *Themeda* Forssk. は世界の熱帯や亜熱帯地域に27種ほどがあり、インド北部と中国雲南省が分布と多様化の中心となっている。そのうちインドには18種が知られている。本稿では、*T. cymbaria* Hack., *T. huttonensis* Bor, *T. laxa* (Andersson) A.Camus, *T. tremula* (Nees ex Steud.) Hack. の4種のレクトタイプ指定を行った。
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