

Lectotypification of two names in *Pterospermum* (Malvaceae)

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Abstract: *Pterospermum obtusifolium* Wight and *P. rubiginosum* B.Heyne ex G.Don are lectotypified here.

Keywords: Courtallum, Endemic, Lectotype.

Introduction

The tropical Asian genus, *Pterospermum* Schreb. (Malvaceae) comprises *c.* 30 species in the world (Mabberley, 2017). The genus is represented by 11 species in India (Chandra, 1993), of which three are endemic (Singh *et al.*, 2015). In this paper, the lectotype for *P. obtusifolium* and *P. rubiginosum* are designated as per articles 9.11 and 9.12 of Shenzhen Code (Turland *et al.*, 2018) after a thorough scrutiny of literature, and consultation of original specimens housed in various herbaria (CAL, DD, E, G, K, LINN, MH and NY).

***Pterospermum obtusifolium* Wight**, Ill. Ind. Bot. 1: 78. 1838. *Lectotype* (designated here): INDIA, Tamil Nadu, Tirunelveli, Courtallum, *s.d.*, Wight 227 (K [K000671799 digital image!]). **Fig. 1**

Notes: While describing *P. obtusifolium*, Wight (1838) cited ‘*habo Courtallum in dense forest*’ without specifying any other collection details. The search of original materials in various herbaria (CAL, DD, E, K, MH, NY) resulted in finding six specimens collected by Wight from Courtallum during August 1835 (*Wight* 227 [K000671799], *Wight* 67 [E00179745], *Wight* 168 [E00179046], *Wight s.n.* [E00179047] and *Wight* 66 [E00533322,

NY222345]). All these specimens have the annotations by the original author and hence can be considered as syntypes. Of these, *Wight* 227 (K000671799) is designated here as the lectotype as it is well preserved and matches with the protologue.

***Pterospermum rubiginosum* B.Heyne ex G.Don**, Gen. Hist. 1: 538. 1831. *Lectotype* (designated here, or perhaps neotype): INDIA, Kerala, Ernakulam district, Alway, *s.d.*, B. Heyne *s.n.* (K [K00112280 digital image!]). **Fig. 2**

Notes: The Moravian German Missionary, Benjamin Heyne named a *Pterospermum* as *P.*



Fig. 1. Lectotype of *Pterospermum obtusifolium* Wight (K000671799). © The Board of Trustees for The Royal Botanic Gardens, Kew. Reproduced with permission.



Fig. 2. Lectotype (or perhaps neotype) of *Pterospermum rubiginosum* B. Heyne ex G. Don (K001112280). © The Board of Trustees for The Royal Botanic Gardens, Kew. Reproduced with permission.

rubiginosum, and the name got enlisted in Wallich's Numerical List (or Catalogue) (Wallich, 1829). This name was later validated by Don (1831) by providing a description based on Heyne's manuscript at LINN, without providing any specimen details. A thorough search for Heyne's collection in various herbaria including LINN resulted in tracing seven specimens (with Wall. Numer. List No. 1168): E (E00273765, E00273766), G (G00358521, G00358522) and K (K001112279, K001112280, K000671803). Although, there is no specimen of this species by Heyne from East Indies (India) annotated by Don available at LINN, the other specimens at different herbaria (E, G, K) have been considered here as the original materials according to article 9.4 of ICN (Turland *et al.*, 2018).

Among them, the sheet K001112280 is here designated as the lectotype (or perhaps the neotype), since the annotation by B. Heyne is pasted on the top left side of the sheet and also fits well with the description provided in the protologue.

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