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Lectotypification of Three *Aeschynanthus* Species (*Gesneriaceae*) in India

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Lectotypes for *Aeschynanthus hookeri* C. B. Clarke, *A. mannii* Kurz ex C. B. Clarke and *A. monetarius* Dunn are designated.

Key words: *Aeschynanthus hookeri*, *Aeschynanthus mannii*, *Aeschynanthus monetarius*, *Gesneriaceae*, Lectotypification.

The genus *Aeschynanthus* Jack (*Gesneriaceae*) comprises about 160 species distributed in Indomalaysian region (Mabberley 2008). In India the genus is represented by 26 species along with a doubtful taxon (Bhattacharyya and Goel 2015) and another species *A. angustiblougus* W. T. Wang has also been reported recently from India (Dutta et al. 2015). In India the species of this genus are distributed throughout the Himalayas with a few species in Southern India and one species in the South Andamans. During taxonomic studies on the genus in North East India, it has been noticed that *Aeschynanthus hookeri* C. B. Clarke, *A. mannii* Kurz ex C. B. Clarke and *A. monetarius* Dunn need to be lectotypified.

Aeschynanthus hookeri C. B. Clarke in DC., Monogr. Phan. 5: 21 (1883); Hook. f., Fl. Brit. India 4: 338 (1884). [Fig. 1]

Lectotype (designated here): INDIA. Sikkim, alt. 4–5,000 ft., J. D. Hooker, s.n. (K000831874; Fig. 1). Syntypes: INDIA. Sikkim, Rungbee, 5,000 ft., 21 July, 1870, C. B. Clarke 12191 (K000096742); Sikkim,

without locality, without date, J. D. Hooker s.n. (K000096743).

The other specimen examined: INDIA. Darjeeling, Mahaderam, 30 May 1884, C. B. Clarke 34950 (K000096782).

While describing *Aeschynanthus hookeri*, C. B. Clarke (1883) cited two collections in the protologue “Himalaya: Sikkim, alt. 1200–2000 metr. (Hooker f., in h. Kew, Berol.; C. B. Clarke, n. 12191, in h. Kew” and these are the syntypes of the species and need to be lectotypified.

J. D. Hooker’s collection of this species at Herbarium Beroliense (B) does not exist whereas Kew herbarium (K) holds four collections of this species of which two are collections by C. B. Clarke (K000096782, K000096742) and the other two collections are by J. D. Hooker (K000096743, K0000831874). C. B. Clarke’s original collection (no. 12191) was from Rungbe, Sikkim on 21 July, 1870 is mounted on the sheet no. K000096742 cannot be chosen as lectotype as the specimen is not good enough due to its wrinkled and detached leaves. The collection attached with sheet no. K000096782 cannot be a type sheet as it was collected from



Fig. 1. Lectotype of *Aeschynanthus hookeri* C. B. Clarke (<http://specimens.kew.org/herbarium/K000831874>).

Darjeeling (not a type locality) on 30 May 1884 much later than the publication of the species.

Of the two collections by J. D. Hooker, one of them (K000096743) is without complete annotation and cannot be qualified also as lectotype. The other sheet (K000831874; Fig. 1) consisting of five small flowering twigs with a label mentioning “Sikkim Himal., 4–5000 ft.” collected by J. D. Hooker and annotated by C. B. Clarke himself clearly matching with the protologue and chosen here as the lectotype.

Aeschynanthus manni Kurz ex C. B. Clarke in DC., Monogr. Phan. 5: 29 (1883).

[Fig. 2]

Lectotype (designated here): **INDIA**. Naga, Patkoye, Griffith 3816 (K000096771; Fig. 2). Syntype: INDIA. Naga Hills, Patkoye, without collector’s name (K000096772).

Specimens examined: **INDIA**. Khasia, without locality, without collector 99 (K000096770); Garo hills, April, 1876, without collector 99 (ASSAM 20746).

In the protologue, C. B. Clarke (1883) mentioned two different collections “Bengalia boreali-orientalis; Khasia (*Mann*, n. 99, h. Kew)” and “in montebus patkoye, Assamia Australi-orientalis (*Griffith*, n. 3816, in h. Kew)”. The Kew herbarium holds three herbarium specimens of this species (K000096770, K000096771, K000096772) collected from the type localities. The specimen K000096770 is having the number 99 written on the sheet but there is no mention of collector Mann’s name hence inappropriate as lectotype. A collection of this species mentioning the number no. 99 (acc. no. 20746) is also deposited in the herbarium of Botanical Survey of India, Eastern Regional Centre, Shillong (ASSAM) but the label annotation denotes it was collected from “Garo hills” not “Khasia”, the type locality. Another sheet (K000096772) of this species was collected from type locality, i.e., “Patkoye range” but it has a label of Herb Wight prop. (not the type collector) hence cannot be the type. The specimen collected by Griffith (Griffith

3816, K000096771; Fig. 2) has three flowering twigs of the species mounted on the sheet and annotated by C. B. Clarke himself fits well to the description. The label annotation also matches with that of the protologue and thus is considered to be more appropriate for lectotype designation.

Aeschynanthus monetarius Dunn in Bull. Misc. Inform. Kew 1920: 135 (1920), ut ‘*monetaria*’. [Fig. 3]

Lectotype (designated here): **INDIA**. Arunachal Pradesh, Rotung, 1300 feet, 17 January 1912, I. H. Burkill 36088 (K000096761; Fig. 3). Syntype: INDIA. Janakamukh, 16 December, 1911, I. H. Burkill R. E. P. 37186 (CAL 331375).

Aeschynanthus monetarius was described by S. T. Dunn based on two collections by I. H. Burkill from Janakamukh and Rotung in Arunachal Pradesh, India. Out of these two collections one specimen (R. E. P. 36088) is deposited at K and another (R. E. P. 37186) is at CAL with one duplicate. The sheet (R. E. P. 36088, K000096761) deposited at Kew has the label annotation as from “Rotung, 1300 ft., 17 Jan 1912” which is also one of the type localities. The two sheets deposited at CAL (R. E. P. 37186) are having the label annotation in each case as “Janakmukh, 16 Dec 1911” which is one of the type localities. Since the species was published in “Decades Kewensis” series which implies the type material is at Kew and the sheet (I. H. Burkill 36088, K000096761; Fig. 3) is chosen here as lectotype.

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Fig. 2. Lectotype of *Aeschynanthus mannii* Kurz ex C. B. Clarke (<http://specimens.kew.org/herbarium/K000096771>).

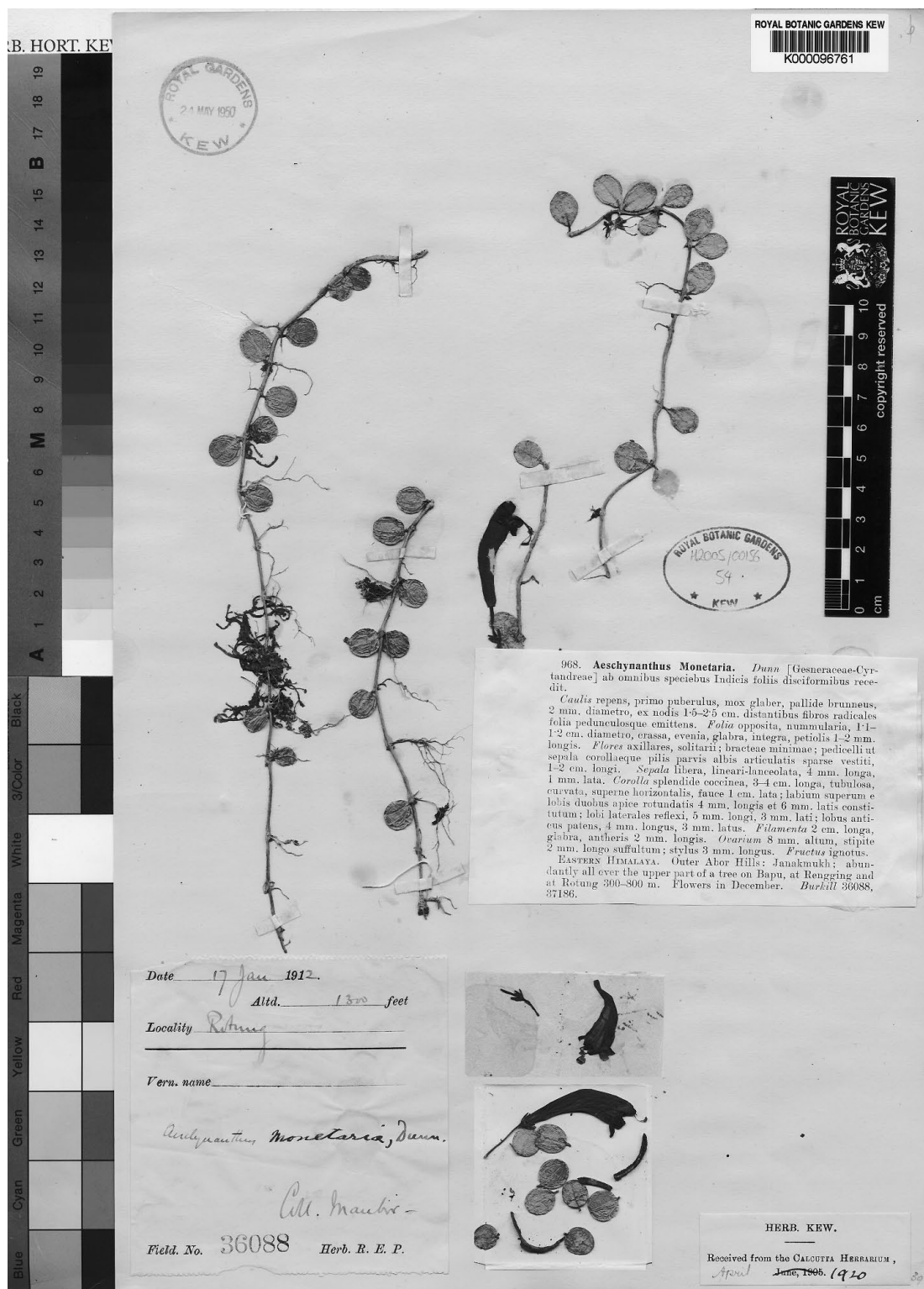


Fig. 3. Lectotype of *Aeschynanthus monetarius* Dunn (<http://specimens.kew.org/herbarium/K000096761>).

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S. Datta^a, T. K. Paul^b, B. K. Sinha^a: インド産ナガミカズラ属 3 種 (イワタバコ科) のレクトタイプ選定

ナガミカズラ属 *Aeschynanthus* はイワタバコ科の常緑の着生低木で、インドには、疑わしいものも含めて 26 種が知られている。本研究では、*Aeschynanthus hookeri* C. B. Clarke, *A. mannii* Kurz ex C. B. Clarke and

A. monetarius Dunn の 3 種のレクトタイプを選定した。

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