



# REINWARDTIA

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## NOMENCLATURAL NOTES RELEVANT TO THE FLORA OF INDONESIA

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### ABSTRACT

TURNER, I. M. 2012. Nomenclatural notes relevant to the flora of Indonesia. *Reinwardtia* 13(4): 363-366. — Some species described by Teijsmann and Binnendijk were published slightly earlier than is sometimes believed because of duplicate publication in different journals. In a few cases this results in a change in priority between competing names. The case of *Rothmannia schoemannii* (*Rubiaceae*) having priority over *R. exaltata* is highlighted. Zollinger published a number of new combinations in *Annonaceae* a few months before Miquel, so a trio of accepted names, *Mitrephora polypyrena*, *Orophea celebica* and *O. corymbosa*, should be correctly attributed to him.

**Keywords:** *Annonaceae*, Binnendijk, Miquel, *Mitrephora*, *Orophea*, priority, Teijsmann, Zollinger.

### ABSTRAK

TURNER, I. M. 2012. Catatan tata nama berkaitan dengan flora Indonesia. *Reinwardtia* 13(4): 363-366. — Beberapa jenis yang dipublikasikan terdahulu dan dipertelakan oleh Teijsmann dan Binnendijk terkadang dipercaya sebagai duplikasi terbitan dalam jurnal yang berbeda. Beberapa kasus ini mengakibatkan perubahan pada prioritas nama-nama yang disandingkan. Contoh kasus *Rothmannia schoemannii* (*Rubiaceae*) yang lebih diprioritaskan daripada *R. exaltata* dibahas dalam tulisan ini. Zollinger menerbitkan beberapa kombinasi baru pada suku *Annonaceae* beberapa bulan sebelum Miquel, sehingga tiga nama yang diterima yaitu *Mitrephora polypyrena*, *Orophea celebica* dan *O. corymbosa*, harus dikaitkan dengan namanya.

**Kata kunci:** *Annonaceae*, Binnendijk, Miquel, *Mitrephora*, *Orophea*, prioritas, Teijsmann, Zollinger.

## INTRODUCTION

An unavoidable feature of plant taxonomy is the voluminous literature. Despite the dedicated work of many botanists and bibliographers, there remain unobserved or poorly reported matters of nomenclatural relevance ranging from the trivial to the profound. In this paper, I draw attention to a couple of cases related to the flora of Indonesia.

### Early publications by Teijsmann and Binnendijk

Johannes Elias Teijsmann (1809-1882) was the Curator of the Botanic Gardens in Bogor from 1831 to 1869. In 1850, Simon Binnendijk (1821-1883) was appointed Assistant Curator. Teijsmann and Binnendijk described many new species that were cultivated in the Botanic Gardens. A number of these were published by Teijsmann and Binnendijk in a paper that appeared in *Nederlandsch Kruidkundig Archief* (Teijsmann & Binnendijk, 1855). These names are often cited as originally published in this paper, but all the names were actually validly published before in a series of papers in the *Natuurkundig Tijdschrift voor Nederlandsch-Indië* (Teijsmann & Binnendijk, 1851a; b; 1852; 1853; 1854). The species and their earliest place of publi-

cation are listed below:

*Aglaia inaequalis* Teijsm. & Binn., *Natuurk. Tijdschr. Ned.-Indië* 2 (1851) 305, 'inaequale'. -Ned. Kruidk. Arch. 3 (1855) 409, 'inaequale'. [*Meliaceae*]

*Appendicula membranacea* Teijsm. & Binn., *Natuurk. Tijdschr. Ned.-Indië* 5 (1854) 491. - Ned. Kruidk. Arch. 3 (1855) 399. [*Orchidaceae*]

*Arundina pulchella* Teijsm. & Binn., *Natuurk. Tijdschr. Ned.-Indië* 5 (1854) 492. - Ned. Kruidk. Arch. 3 (1855) 400. [*Orchidaceae*]

*Barringtonia vriesei* Teijsm. & Binn., *Natuurk. Tijdschr. Ned.-Indië* 2 (1851) 308. - Ned. Kruidk. Arch. 3 (1855) 411. [*Lecythidaceae*]

*Baumontia multiflora* Teijsm. & Binn., *Natuurk. Tijdschr. Ned.-Indië* 4 (1853) 395. - Ned. Kruidk. Arch. 3 (1855) 393. [*Apocynaceae*]

*Bulbophyllum biflorum* Teijsm. & Binn., *Natuurk. Tijdschr. Ned.-Indië* 5 (1854) 488, 'Bolbophyllum'. -Ned. Kruidk. Arch. 3 (1855) 397. [*Orchidaceae*]

*Bulbophyllum membranaceum* Teijsm. & Binn., *Natuurk. Tijdschr. Ned.-Indië* 5 (1854) 488, 'Bolbophyllum'. -Ned. Kruidk. Arch. 3 (1855) 397. [*Orchidaceae*]

*Calophyllum lanceolatum* Teijsm. & Binn., *Natuurk. Tijdschr. Ned.-Indië* 4 (1853) 398, nom.

- illegit, non *C. lanceolatum* Blume (1825). - Ned. Kruidk. Arch. 3 (1855) 395. [*Guttiferae*]
- Casearia angustata* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 2 (1851) 305. - Ned. Kruidk. Arch. 3 (1855) 409. [*Flacourtiaceae*]
- Casearia odorata* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 2 (1851) 304, nom. illegit., non *C. odorata* Macfad. (1837). - Ned. Kruidk. Arch. 3 (1855) 408. [*Flacourtiaceae*]
- Cerasus javanica* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 2 (1851) 309. - Ned. Kruidk. Arch. 3 (1855) 412. [*Rosaceae*]
- Cirrhopetalum carinatum* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 5 (1854) 489. - Ned. Kruidk. Arch. 3 (1855) 397. [*Orchidaceae*]
- Cleisostoma amabile* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 5 (1854) 493. - Ned. Kruidk. Arch. 3 (1855) 402. [*Orchidaceae*]
- Cleisostoma longifolia* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 5 (1854) 494. - Ned. Kruidk. Arch. 3 (1855) 402, 'longifolia'. [*Orchidaceae*]
- Cocculus lucidus* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 4 (1853) 397, 'lucida'. - Ned. Kruidk. Arch. 3 (1855) 394. [*Menispermaceae*]
- Coelogyne croockewitii* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 5 (1854) 488. - Ned. Kruidk. Arch. 3 (1855) 396. [*Orchidaceae*]
- Dendrobium carnosum* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 5 (1854) 489, nom. illegit., non *D. carnosum* C.Presl (1826). - Ned. Kruidk. Arch. 3 (1855) 398. [*Orchidaceae*]
- Dendrobium intermedium* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 5 (1854) 490. - Ned. Kruidk. Arch. 3 (1855) 399. [*Orchidaceae*]
- Dendrobium lobbii* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 5 (1854) 491. - Ned. Kruidk. Arch. 3 (1855) 399. [*Orchidaceae*]
- Dendrobium marginatum* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 5 (1854) 490. - Ned. Kruidk. Arch. 3 (1855) 398. [*Orchidaceae*]
- Dendrobium ochroleucum* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 5 (1854) 490. - Ned. Kruidk. Arch. 3 (1855) 398. [*Orchidaceae*]
- Dendrobium unguiculatum* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 5 (1854) 491. - Ned. Kruidk. Arch. 3 (1855) 399. [*Orchidaceae*]
- Diospyros aurea* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 3 (1852) 330. - Ned. Kruidk. Arch. 3 (1855) 405. [*Ebenaceae*]
- Diospyros laxa* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 3 (1852) 330. - Ned. Kruidk. Arch. 3 (1855) 406. [*Ebenaceae*]
- Donacodes villosa* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 4 (1853) 394. - Ned. Kruidk. Arch. 3 (1855) 392. [*Zingiberaceae*]
- Elettaria anthodioides* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 4 (1853) 393. - Ned. Kruidk. Arch. 3 (1855) 392. [*Zingiberaceae*]
- Ficus asperrima* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 3 (1852) 326, nom. illegit. non *F. asperrima* Roxb. (1832). - Ned. Kruidk. Arch. 3 (1855) 402. [*Moraceae*]
- Gardenia curvata* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 3 (1852) 328. - Ned. Kruidk. Arch. 3 (1855) 404. [*Rubiaceae*]
- Gardenia schoemannii* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 3 (1852): 327, 'schömannii'. - Ned. Kruidk. Arch. 3 (1855) 403, 'schömannii'. [*Rubiaceae*]
- Hoya motoskei* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 4 (1853) 396. - Ned. Kruidk. Arch. 3 (1855) 393. [*Asclepiadaceae*]
- Kaempferia undulata* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 4 (1853) 393. - Ned. Kruidk. Arch. 3 (1855) 391. [*Zingiberaceae*]
- Lagerstroemia ovalifolia* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 2 (1851) 306. - Ned. Kruidk. Arch. 3 (1855) 410. [*Lythraceae*]
- Linociera rostrata* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 3 (1852) 329. - Ned. Kruidk. Arch. 3 (1855) 404. [*Oleaceae*]
- Nephelium altissimum* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 2 (1851) 306. - Ned. Kruidk. Arch. 3 (1855) 410. [*Sapindaceae*]
- Pavetta subulata* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 3 (1852) 327. - Ned. Kruidk. Arch. 3 (1855) 403. [*Rubiaceae*]
- Pholidota membranacea* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 5 (1854) 488. - Ned. Kruidk. Arch. 3 (1855) 396. [*Orchidaceae*]
- Plocoglottis fimbriata* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 5 (1854) 493. - Ned. Kruidk. Arch. 3 (1855) 401. [*Orchidaceae*]
- Pygeum parviflorum* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 2 (1851) 309. - Ned. Kruidk. Arch. 3 (1855) 412. [*Rosaceae*]
- Rafflesia rochussenii* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 1 (1851) 427, 429, t. I-II. - Ned. Kruidk. Arch. 3 (1855) 413. [*Rafflesiaceae*]
- Rauwolfia reflexa* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 3 (1852) 329, 'Rauwolfia'. - Ned. Kruidk. Arch. 3 (1855) 405, 'Rauwolfia'. [*Apocynaceae*]
- Sponia annulata* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 2 (1851) 303. - Ned. Kruidk. Arch. 3 (1855) 408. [*Ulmaceae*]
- Sponia strychnifolia* Teijsm. & Binn., Natuurk.

- Tijdschr. Ned.-Indië 4 (1853) 394, 'strijchnifolia'. - Ned. Kruidk. Arch. 3 (1855) 392. [*Ulmaceae*]
- Syncarpia vertholenii* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 2 (1851) 307. - Ned. Kruidk. Arch. 3 (1855) 411. [*Myrtaceae*]
- Tainia fimbriata* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 5 (1854) 492. - Ned. Kruidk. Arch. 3 (1855) 400, 'Taenia'. [*Orchidaceae*]
- Ternstroemia gedehensis* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 3 (1852) 332. - Ned. Kruidk. Arch. 3 (1855) 407. [*Theaceae*]
- Trichoglottis cirrhifera* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 5 (1854) 493. - Ned. Kruidk. Arch. 3 (1855) 401. [*Orchidaceae*]
- Trichotosia ciliata* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 5 (1854) 492. - Ned. Kruidk. Arch. 3 (1855) 400. [*Orchidaceae*]
- Uvaria acuta* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 4 (1853) 398. - Ned. Kruidk. Arch. 3 (1855) 395. [*Annonaceae*]
- Uvaria concava* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 3 (1852) 331. - Ned. Kruidk. Arch. 3 (1855) 406. [*Annonaceae*]
- Uvaria multiflora* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 4 (1853) 397. - Ned. Kruidk. Arch. 3 (1855) 394. [*Annonaceae*]
- Vanda pusilla* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 5 (1854) 493. - Ned. Kruidk. Arch. 3 (1855) 401. [*Orchidaceae*]

The specialist literature has picked up many of these, but there are exceptions and the few years difference in publication date may have relevance in the matter of priority. A case in point is *Uvaria concava* (1852) which clearly has priority over *U. lurida* Hook.f. & Thomson (1855) when its correct place of first publication is considered (Turner, 2011).

Another example of competing priority is between *Gardenia schoemannii* Teijsm. & Binn. and *Randia exaltata* Griff. As noted by Backer & Bakhuizen van den Brink (1965), the former appears published after the latter if reference is made to the *Nederlandsch Kruidkundig Archief* publication (cf. Govaerts *et al.*, 2012), but its first publication actually pre-dated Griffith's name. This makes *Rothmannia schoemannii* (Teijsm. & Binn.) Tirveng. the correct name for what has been called *Rothmannia exaltata* (Griff.) Bremek. as listed below:

- Rothmannia schoemannii* (Teijsm. & Binn.) Tirveng., Nordic J. Bot. 3 (1983) 469. - *Garde-*

*nia schoemannii* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 3 (1852): 327, 'schömannii'. - Ned. Kruidk. Arch. 3 (1855) 403. - *Randia schoemannii* (Teijsm. & Binn.) Bakh.f, Blumea 12 (1963) 63.

- Randia exaltata* Griff, Not. PL Asiat. 4 (1854) 262. - *Rothmannia exaltata* (Griff.) Bremek., Proc. Kon. Ned. Akad. Wetensch., C 60 (1957) 7.

### Overlooked combinations in *Annonaceae* by Zollinger

Heinrich Zollinger (1818-1859) was a Swiss botanist who collected extensively in Indonesia during several visits from 1842 onwards, and finally died in Java. Among his publications, there is a paper on the *Annonaceae* of the East Indies (Zollinger 1858). Zollinger described several new species, some in collaboration with Heinrich Gustav von Reichenbach (1824-1889), and the new genus *Anomianthus* in this paper. These are well-documented. However, Zollinger also proposed a number of new combinations in the paper that seem to have been largely overlooked. One reason for this may be that many of the combinations have been attributed to Friedrich Anton Wilhelm Miquel (1811-1871) in his *Flora van Nederlandsch Indie*. The *Annonaceae* were presented in the first part of volume 1(2) of the flora (Miquel, 1858) which was published on 23 December 1858 (Stafleu & Cowan 1981, p. 515). Zollinger's paper appeared in Band 29 Heft 3 of *Linnaea*, which was published in September 1858 (Stafleu & Cowan 1985, p. 198). Therefore Zollinger's combinations have priority over those of Miquel by some three months. The new combinations are listed below:

- Anomianthus heterocarpus* (Blume) Zoll, Linnaea 29 (1858) 324. - Basionym: *Uvaria heterocarpa* Blume, Fl. Javae Anon. (1830) 41.
- Goniothalamus macrophyllus* (Blume) Zoll, Linnaea 29 (1858) 313. - Basionym: *Unona macrophylla* Blume, Bijdr. (1825) 17. [Isonym of *G. macrophyllus* (Blume) Hook.f. & Thomson, Fl. Ind. (1855) 109]
- Melodorum kentii* (Blume) Zoll, Linnaea 29 (1858) 318. - Basionym: *Unona kentii* Blume, Bijdr. (1825) 16. [Isonym of *Melodorum kentii* (Blume) Hook.f. & Thomson, Fl. Ind. (1855) 116]
- Melodorum sphaerocarpum* (Blume) Zoll, Linnaea 29 (1858) 317. - Basionym: *Uvaria sphaerocarpa* Blume, Bijdr. (1825) 12.
- Mitrephora humilis* (Blume) Zoll, Linnaea 29 (1858) 315. - Basionym: *Unona humilis* Blume, Bijdr. (1825) 17.



- Mitrephora polypyrena* (Blume) Zoll., *Linnaea* 29 (1858) 315. Basionym: *Uvaria polypyrena* Blume, *Fl. Javae Anon.* (1830) 35, tt. 12, 14.
- Orophea celebica* (Blume) Zoll., *Linnaea* 29 (1858) 314. Basionym: *Bocagea celebica* Blume, *Fl. Javae Anon.* (1830) 88, t. 43.
- Orophea corymbosa* (Blume) Zoll., *Linnaea* 29 (1858) 313. Basionym: *Bocagea corymbosa* Blume, *Fl. Javae Anon.* (1830) 85, t. 41.
- Orophea latifolia* (Blume) Zoll., *Linnaea* 29 (1858) 314. Basionym: *Bocagea latifolia* Blume, *Fl. Jav. Anon.* (1830) 89, 1 44.
- Oxymitra cuneiformis* (Blume) Zoll., *Linnaea* 29 (1858) 324. Basionym: *Guatteria cuneiformis* Blume, *Bijdr.* (1825) 19.
- Unona acuta* (Teijsm. & Binn.) Zoll., *Linnaea* 29 (1858) 320. Basionym: *Uvaria acuta* Teijsm. & Binn., *Natuurk. Tijdschr. Ned. Indië* 4 (1853) 398.

Despite extensive citation of *Flora Indica* (Hooker & Thomson, 1855) in the paper, Zollinger effectively repeats several combinations already made by Hooker and Thomson, producing isonyms of no nomenclatural standing. Perhaps Zollinger felt that he had been using these names prior to the publication of *Flora Indica*, so should be credited with them. The other combinations are mostly considered synonyms currently, but three widely accepted names, *Mitrephora polypyrena* (Weerasooriya & Saunders, 2010), *Orophea celebica* and *O. corymbosa* (Ke ler, 1988), should all correctly have the author citation (Blume) Zoll. rather than (Blume) Miq.

## REFERENCES

- BACKER, C. A. & BAKHUIZEN VAN DER BRINK, R. C. 1965. *Flora of Java. Volume II* N.V. P. Noordhoff, Groningen.
- GOVAERTS, R., RUHSAM, M., ANDERSSON, L., ROBBRECHT, E., BRIDSON, D., DAVIS, A., SCHANZER, I. & SONKÉ, B. 2012. *World checklist of Rubiaceae*. Facilitated by the Royal Botanic Gardens, Kew. Published on the Internet; <http://apps.kew.org/wcsp/> Retrieved 2012 09 15.
- HOOKEER, J. D. & THOMSON, T. 1855. *Flora Indica*. Pamplin, London.
- KE LER, P. J. A. 1988. Revision der Gattung *Orophea* Blume (*Annonaceae*). *Blumea* 33: 1 80.
- MIQUEL, F. A. W. 1858. *Flora van Nederlandsch Indië*. Eerste Deel, Tweede Afdeeling. C.G. van der Post, Amsterdam.
- STAFLEU, F. A. & COWAN, R. S. 1981. *Taxonomic literature. Volume in: Ih O. Regnum vegetabile* 105. Bohn, Scheltema & Holkema, Utrecht.
- STAFLEU, F. A. & COWAN, R. S. 1985. *Taxonomic literature. Volume v: Sal Ste. Regnum Vegetabile* 110. Bohn, Scheltema & Holkema, Utrecht/Antwerpen.
- TEIJSMAN [sic], J. E. & BINNENDIJK, S. 1851a. Over eene nieuwe soort van *Rafflesia*. *Natuurk. Tijdschr. Ned Indië* 1: 425 430.
- TEIJSMANN, J. E. & BINNENDIJK, S. 1851b. Nieuwe plantensoorten in 's Lands plantentuin te Buitenzorg. *Natuurk. Tijdschr. Ned. Indië* 2:303 310.
- TEIJSMANN, J. E. & BINNENDIJK, S. 1852. Nieuwe plantensoorten in 's Lands plantentuin te Buitenzorg. *Natuurk. Tijdschr. Ned. Indië* 3:326 332.
- TEIJSMANN, J. E. & BINNENDIJK, S. 1853. Nieuwe plantensoorten in 's Lands plantentuin te Buitenzorg. *Natuurk. Tijdschr. Ned. Indië* 4:393 398.
- TEIJSMANN, J. E. & BINNENDIJK, S. 1854. Nieuwe plantensoorten behoorende tot de orde der Orchideën in 's Lands plantentuin te Buitenzorg. *Natuurk. Tijdschr. Ned. Indië* 5:487 494.
- TEIJSMANN, J. E. & BINNENDIJK, S. 1855. *Plantae novae Horti Bogorensis in insula Java. Ned. Kruidk Arch.* 3:391 413.
- TURNER, I. M. 2011. A catalogue of the Annonaceae of Borneo. *Phytotaxa* 36: 1 120.
- WEERASOORIYA, A. D. & SAUNDERS, R. M. K. 2010. Monograph of *Mitrephora* (*Annonaceae*). *Syst. Bot. Monogr.* 90:1 167.
- ZOLLINGER, H. 1858. Ueber die Anonaceen des ostindischen Archipels. *linnaea* 29:297 325.

## INSTRUCTION TO AUTHORS

*Reinwardtia* is a scientific irregular journal on plant taxonomy, plant ecology, and ethnobotany. Manuscript intended for a publication should be written in English represent an article which has not been published in any other journal or proceedings. Every manuscript will be sent to two blind reviewers.

Two printed copies (on A4 paper) of the manuscript of not more than 200 pages together with an electronic copy prepared on Word Processor computer program using Time New Romance letter type and saved in Rich Text File must be submitted.

For the style of presentation, authors should follow the latest issue of *Reinwardtia* very closely. Title of the article should be followed by author's name and mailing address in one-paragraphed English abstract of not more than 250 words. Keywords should be given below each abstract. On a separated paper, author(s) should send the preferred running title of the article submitted.

Taxonomic identification key should be prepared using the aligned couplet type.

Strict adherence to the International Code of Botanical Nomenclature is observed, so that taxonomic and nomenclatural novelties should be clearly shown. English description for new taxon proposed should be provided and the herbaria where the type specimens area deposited should be presented. Name of taxon in taxonomic treatment should be presented in the long form that is name of taxon, author's name, year of publication, abbreviated journal or book title, volume, number and page.

Map, line drawing illustration, or photograph preferably should be prepared in landscape presentation to occupy two columns. Illustration must be submitted as original art accompanying, but separated from the manuscript. On electronic copy, the illustration should be saved in jpg or gif format at least 350 pixels. Legends or illustration must be submitted separately at the end of the manuscript.

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