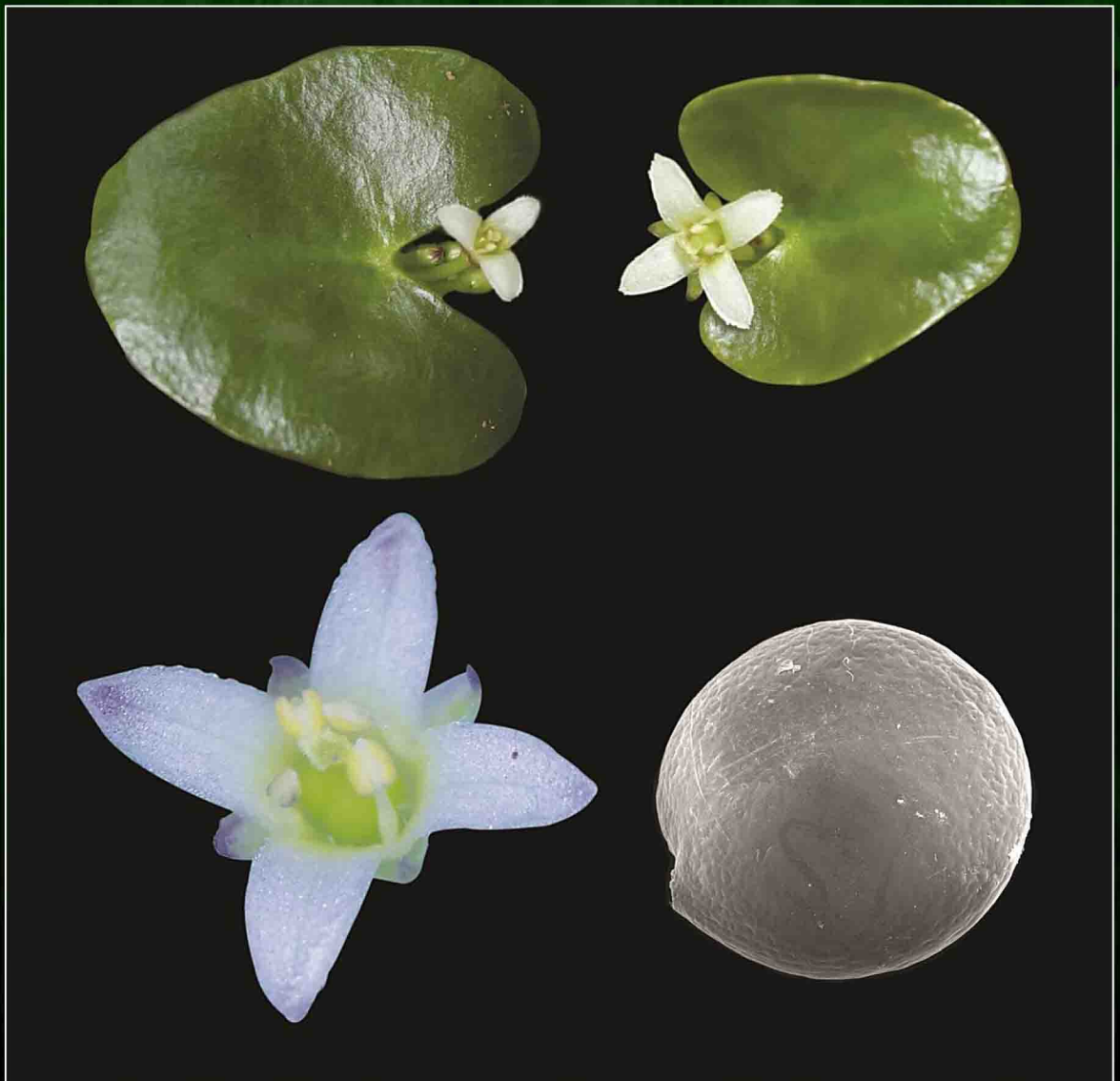


Taiwania

International Journal of Life Sciences

Vol. 61 No. 3 • September 2016



Published by the College of Life Science, National Taiwan University

<http://tai2.ntu.edu.tw/taiwania>

DOI: 10.6165/tai

Taiwania*An International Journal of Life Sciences*, established 1947

| | |
|-------------------|---|
| Editor-in-Chief | Jer-Ming Hu, Wen-Yuan Kao |
| Associate Editors | Chang-Fu Hsieh, Chun-Neng Wang, Yu-Teh Kirk Lin, Tsung-Yu Aleck Yang |
| English Editor | David Zelený |
| Managing Editor | Kuo-Hsiung Wang |
| Advisory Board | Tseng-Chieng Huang, Chi-Ying Huang |

Editorial Board

| | |
|---|---|
| David E. Boufford ; USA | Yung-Feng Liao ; Taiwan |
| Su-Hwa Chen ; Taiwan | Chung-Ping Lin ; Taiwan |
| Chang-Hung Chou ; Taiwan | Tsan-Piao Lin ; Taiwan |
| Gabor Csorba ; Hungary | Lucia Liu Severinghaus ; Taiwan |
| Peter K. Endress ; Switzerland | Hiroyoshi Ohashi ; Japan |
| Christopher Roy Fraser-Jenkins ; Nepal | Arun Pandey ; India |
| K.N. Ganeshiah ; India | Hua Peng ; China |
| Kuo-Chieh Ho ; Taiwan | Kwang-Tsao Shao ; Taiwan |
| Rong-Nan Huang ; Taiwan | Kitichate Sridith ; Thailand |
| Mark Huges ; UK | Hang Sun ; China |
| Shih-Tong Jeng ; Taiwan | David W. Taylor ; USA |
| Yeong-Choy Kam ; Taiwan | Jan-Frits Veldkamp ; Netherlands |
| Yasuhiro Kubota ; Japan | Jiunn-Tzong Wu ; Taiwan |

Taiwania is issued quarterly, in March, June, September, and December, with one volume per year. **Taiwania** is open for papers on all aspects of life sciences. The privilege of publication in the journal is not restricted to members of the institute; contributions from worldwide researchers are welcome. Papers submitted to this journal must be original and have not been published elsewhere. **Instructions to Authors** are notified in the following page. Copies can be obtained from the **Taiwania Editorial Office, College of Life Science, National Taiwan University, No. 1, Section 4, Roosevelt Road, Taipei 106, Taiwan**. **Taiwania** is available online from the website (<http://tai2.ntu.edu.tw/taiwania> or <http://www.press.ntu.edu.tw>) of National Taiwan University since 1947 as well as in the print edition. **Taiwania** is covered by major abstracting and indexing services, such as Scopus, Biosis, CAB Abstracts *et al.*

Acknowledgements: **Taiwania** has been honored to be the recipient of the Excellent Academic Journal Award from the National Science Council since 1996. Editorial Board of **Taiwania** acknowledges National Taiwan University for providing partial publication cost.

Printed by Tah Jinn Printing Co., Ltd. Taipei, Taiwan.

Cover Photo: *Nymphoides palyii* Biju, Josekutty, Haneef & Augustine J. is restricted to a seasonal pond in the lateritic hillocks of Perla, Kasaragod, Kerala, India. The plant survives for 2-3 months in the thick growth of *Microcarpaea minima* during dry season. Its flowers and seeds are very distinct from all other species. This new species is named to honor Prof. Joseph Paly, former professor of Systematic Botany, St. Thomas College, Pala, India. Photographed by Punnakot Biju.

Taiwania

International Journal of Life Sciences

ISSN: 0372-333X

GPN: 2003600007

Vol. 61 No. 3

September 2016

CONTENTS

Research Articles

- Systematic importance of rhizome stelar anatomy in selected Monilophytes from Thailand 175
Possathorn Nopun, Paweena Traiperm, Thaweesakdi Boonkerd and Thaya Jenjittikul
- Cambial variants of liana species (Fabaceae) in Taiwan 185
Sheng-Zehn Yang, Po-Hao Chen and Kung-Cheng Lin
- Study on the laminar hydathodes of *Ficus formosana* (Moraceae) IV. Coated vesicles endocytosis is one of the retrieval mechanisms of epithem during guttation 194
Chyi-Chuann Chen and Yung-Reui Chen
- New Species of *Ophiopogon* and *Peliosanthes* (Asparagaceae) from Laos and Vietnam 201
Leonid V. Averyanov, Noriyuki Tannaka, Khang Sinh Nguyen and Tien Hiep Nguyen
- A new species of *Nymphoides* Séguier (Menyanthaceae) from the lateritic plateau of South India 218
Punnakot Biju, Elayanithottathil Joseph Josekutty, Koolikkunnu Abdul Razak Muhammed Haneef and Jomy Augustine
- Cyperus arenarius* Retz. var. *nairii* (Cyperaceae), a new variety from South India 221
Kondru Yarrayya, Garimella Venkata Suryanarayana Murthy and P.K. Ratna Kumar
- A review of the mangrove floristics of India 224
P. Ragavan, Alok Saxena, R.S.C. Jayaraj, P.M. Mohan, K. Ravichandran, S. Saravnan and A. Vijayaraghavan
- A Synopsis of the genus *Sida* L. (Malvaceae) from Maharashtra, India 243
Gajanan M. Tambde, Ramchandra D. Gore and Milind M. Sardesai
- Present Status of Family Dicranaceae (Bryophyta) in Pachmarhi Wildlife Sanctuary, Central India 253
Reesa Gupta, Virendra Nath and A.K. Asthana
- Antibacterial activity of some ethno-botanically important ferns of southern Assam, India 260
Kathakali Nath, Mrinal Kanti Bhattacharya and Sanjib Kar

Note

- Nomenclatural notes in Asian Zingiberaceae 269
Rafaël Govaerts

Edited by **Taiwania** Editorial Board

<http://tai2.ntu.edu.tw/taiwania>

Published by the College of Life Science, National Taiwan University