

Taiwania

International Journal of Life Sciences

Vol. 57 No. 4 • December 2012



Published by the College of Life Science, National Taiwan University
<http://tai2.ntu.edu.tw/taiwania>

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

Editor-in-Chief	Jer-Ming Hu
Associate Editors	Chang-Fu Hsieh, Chun-Neng Wang, Chau-Ti Ting
Managing Editor	Bo-An Lin
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	Rudolf Schmid ; USA
Kuo-Chieh Ho ; Taiwan	Kwang-Tsao Shao ; Taiwan
Rong-Nan Huang ; Taiwan	John J. Skvarla ; USA
Shih-Tong Jeng ; Taiwan	Jiunn-Tzong Wu ; Taiwan
Yeong-Choy Kam ; Taiwan	Yuen-Po Yang ; Taiwan
Wen-Yuan Kao ; Taiwan	

Taiwania is issued quarterly, in March, June, September, and December, with one volume per year. Papers are published in English with a Chinese abstract.

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 **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 1988 as well as in the print edition. **Taiwania** is covered by major abstracting and indexing services, such as 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: *Bulbophyllum tenuislinguae* T.P. Lin & S.H. Wu was discovered in February 2012 by Ms. King-Chi Wu on the way to climb Hakanni Mt., Miaoli Co. at an elevation of 1700 m. From an uprooted tree trunk she was surprised to see the flower so different otherwise the vegetative part exactly same to the *B. drymoglossum*. The pink tinged flower of *B. tenuislinguae* has a size similar to the round leaf, and larger than flowers in most species of pseudobulb-less *bulbophyllum*. Because this discovery and another new plant *B. hymenanthum* Hk. F., reported in this same paper make the genus *Bulbophyllum* reaches 32 species, the largest genus in orchid family native to Taiwan. Photographed by Tsan-Piao Lin.

目次

研究論文

- 臺灣北部插天山自然保留區的空中花粉散播：特別著重於臺灣水青岡 331
顧銓、汪良奇、陳淑華
- 臺灣稀有或隱蔽性鳥種之模式預測 342
吳采諭、李培芬、林瑞興、吳建龍、Bruno A. Walther
- 臺灣中部蓮華池森林動態樣區依微地形影響之植物社會分類與植物組成改變 359
張勵婉、邱少婷、楊國禎、王相華、黃正良、謝長富
- 來自越南的新種兼 *Hymenorchis* 屬新紀錄分布—*Hymenorchis phitamii* 372
Leonid V. Averyanov, Nong Van Duy and Phan Ke Loc
- 臺灣新發現的野生蘭 (五) 377
林讚標、伍淑惠
- 印度錫金 (東喜馬拉雅山脈) 地區之蕨類油滴體研究 384
Devendra Singh, Monalisa Dey and D. K. Singh

研究短文

- 印度產 *Pyrgillus* 屬 (子囊菌門：小核衣科) 之現況 391
K. P. Singh, Pushpi Singh
- 臺灣新歸化植物：二十蕊商陸 (商陸科) 396
謝思怡、李祈德、吳進華、林奐宇、葉慶龍
- 臺灣中部新記錄植物：短柱赤箭 (蘭科) 399
謝思怡、李祈德、柳重勝、葉川榮、葉慶龍、吳進華
- Asplenium aethiopicum* 在北印度的新紀錄分布 403
Nripemo Odyuo, Dilip Kumar Roy, Christopher Roy Fraser-Jenkins
- 來自印度安達曼—尼科巴群島的新紀錄分布—大葉海桑 (海桑科) 406
M. P. Goutham-Bharathi, M. Kaliyamoorthy, S. Dam Roy, P. Krishnan, Grinson George and C. Murugan
- 小地榆 (*Sanguisorba minor*)—印度植物區系的新成員 410
Syed Mubashir Andrabi, Waheeda Rehman, Zafar Ahmad Reshi, Abdul Rashid Naqshi and Aijaz Hassan Ganie
- 印度的新紀錄種 — *Ixora rangonensis* Bremek. (茜草科) 413
H. A. Barbhuiya, B. K. Dutta, Ajit Kr. Das, A. K. Baishya
- 臺灣旋花科外來種—多花蛾房藤的新分布紀錄 418
楊勝任、Maria Teresa Buril
- 自南印度坦米爾納德邦尼基里斯山脈對 *Berberis nilghiriensis* (小檗科) 之再發現 422
V. S. Ramachandran, Honey John A, Siljo Joseph and Mounir M. Bekhit
- 四種臺灣新歸化禾草與燈心草 426
鍾明哲、朱珉寬、許天銓、高瑞卿、戴勝賢
- 在臺灣已滅絕同時也是新紀錄種之報春花科植物—澤珍珠菜 (*Lysimachia candida* Lindl.) 434
楊宗愈、Alisa Grabovskaya、Irina Illarionova、陳志雄
- 書評：東亞高等植物分類學文獻概覽 443
張力
- 作者索引 445
- 主題索引 447
- 生物學名索引 450
- 審查委員及翻譯者名錄 460

Taiwania 編輯委員會編輯

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

國立臺灣大學生命科學院出版

Taiwania

International Journal of Life Sciences

ISSN: 0372-333X

Vol. 57 No. 4

December 2012

CONTENTS

Research Articles

- Dispersal of Airborne Pollen in Chiatsishan Nature Reserve, Northern Taiwan, with Emphasis on Taiwan Beech 331
Chuan Ku, Liang-Chi Wang and Su-Hwa Chen
- Modeling the Distribution of Rare or Cryptic Bird Species of Taiwan 342
Tsai-Yu Wu, Pei-Fen Lee, Ruey-Shing Lin, Jian-Long Wu and Bruno A. Walther
- Changes of Plant Communities Classification and Species Composition along the Micro-topography at the Lienhuachih Forest Dynamics Plot in the Central Taiwan 359
Li-Wan Chang, Shau-Ting Chiu, Kuoh-Cheng Yang, Hsiang-Hua Wang, Jeen-Lian Hwong, Chang-Fu Hsieh
- Hymenorchis phitamii* (Orchidaceae) – New Genus and Species in the Flora of Vietnam 372
Leonid V. Averyanov, Nong Van Duy and Phan Ke Loc
- Newly Discovered Native Orchids of Taiwan (V) 377
Tsan-Piao Lin and Shu-Hui Wu
- Studies on Oil-bodies in Some Liverworts from Sikkim, Eastern Himalaya, India 384
Devendra Singh, Monalisa Dey and D. K. Singh
- Genus *Pyrgillus* Nyl. (Lichenized Ascomycota: Pyrenulaceae) in India 391
K. P. Singh and Pushpi Singh

Notes

- A Newly Naturalized Species in Taiwan: *Phytolacca icosandra* L. (Phytolaccaceae) 396
Szu-I Hsieh, Chi-Te Lee, Jin-Hua Wu, Huan-Yu Lin and Ching-Long Yeh
- Gastrodia theana* Aver. (Orchidaceae) a Newly Recorded Species from the Central Taiwan 399
Szu-I Hsieh, Chi-Te Lee, Chong-Sheng Leou, Chuan-Rong Yeh, Ching-Long Yeh and Jin-Hua Wu
- Asplenium aethiopicum* – A New Distributional Record for Northern India 403
Nripemo Odyuo, Dilip Kumar Roy, Christopher Roy Fraser-Jenkins
- Sonneratia ovata* (Sonneratiaceae) – A New Distributional Record for India from Andaman and Nicobar Islands 406
M. P. Goutham-Bharathi, M. Kaliyamoorthy, S. Dam Roy, P. Krishnan, Grinson George and C. Murugan
- Sanguisorba minor* Scop. (Rosaceae), A New Addition to the Indian Flora 410
Syed Mubashir Andrabi, Waheeda Rehman, Zafar Ahmad Reshi, Abdul Rashid Naqshi and Aijaz Hassan Ganie
- Ixora rangonensis* Bremek. (Rubiaceae): A New Record for India 413
H. A. Barbhuiya, B. K. Dutta, Ajit Kr. Das and A. K. Baishya
- A New Alien Distribution Record and Addition to the Flora of Taiwan: *Jacquemontia polyantha* (Schltdl. & Cham.) Hallier f. (Convolvulaceae) 418
Sheng-Zehn Yang and Maria Teresa Buril
- Rediscovery of *Berberis nilghiriensis* Ahrendt (Berberidaceae) from Nilgiris, Tamil Nadu, Southern India 422
V. S. Ramachandran, Honey John A, Siljo Joseph and Mounir M. Bekhit
- Four Newly Naturalized Grasses and Rushes in Taiwan 426
Ming-Jer Jung, Min-Kuan Chu, Tian-Chuan Hsu, Rui-Chin Kao and Sheng-Sian Dai
- Lysimachia candida* Lindl. (Primulaceae), an Extinct Species and also a New Record Species to Taiwan 434
T. Y. Aleck Yang, Alisa Grabovskaya, Irina Illarionova and Chih-Hsiung Chen
- Review: The Outline of Taxonomic Literature of Eastern Asian Higher Plants 443
Li Zhang
- Index to Authors 445
- Index to Subjects 447
- Index to Scientific Names 450
- Reviewers and Translators 460

Edited by **Taiwania** Editorial Board

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

Published by the College of Life Science, National Taiwan University