
Botanical Garden, Pavol Jozef Šafárik University, Košice, Slovakia

Editorial Board

Editor-in-Chief: Pavol **MÁRTONFI**

Executive Editor: Matej **DUDÁŠ**

Associate Editors: Martin **BAČKOR**

Michal **GOGA** Vladislav **KOLARČIK** Lenka

MÁRTONFIOVÁ

Miroslav **REPČÁK**

Martin **SUVÁK**

Technical Editor: Matej **DUDÁŠ**

Assistant Technical Editor: Margaréta **MARCINČINOVÁ**

Advisory Editorial Board:

Zoltán **BARINA** (Budapest, Hungary); Hennadiy **BUDNIKOV** (Uzhhorod, Ukraine); Pavol **ELIÁŠ** jun. (Nitra, Slovakia); Mariana **ELIÁŠOVÁ** (Nitra, Slovakia); Edit **FARKAS** (Vácrtót, Hungary); Richard **HRIVNÁK** (Zvolen, Slovakia); Peter S. **WYSE JACKSON** (St. Louis, USA); Ivan **JAROLÍMEK** (Bratislava, Slovakia); Jan **KIRSCHNER** (Průhonice, Czech Republic); Vladimír V. **KRICSFALUSY** (Saskatoon, Canada); Jinshuang **MA** (Beijing, China); Filippo **MAGGI** (Camerino, Italy); Ľuboš **MAJESKÝ** (Olomouc, Czech Republic); Karol **MARHOLD** (Bratislava, Slovakia); Marcin **NOBIS** (Kraków, Poland); Marko **SABOVLEVIĆ** (Belgrade, Serbia); Pavel **ŠIRKA** (Zvolen, Slovakia); Peter **VACZI** (Brno, Czech Republic).

Thaiszia – Journal of Botany publishes

- (a) scientific papers in all fields of botany, preferably in biosystematics, taxonomy, floristics, anatomy and morphology, phytogeography, phytocoenology, ecology, ecological physiology, population biology, flora and vegetation, evolution, geobotany, paleobotany, chromosome studies, karyology, plant conservation, plant introduction, plant invasions, economical botany
 - (b) critical reviews of various contemporary botanical topics of international interest
 - (c) papers dealing with history of botanical research
 - (d) botanical publication reviews
 - (e) botanical news, biographies and other contributions relevant to botanical research and life
- Thaiszia – Journal of Botany exclusively publishes papers presented in English. Authors are responsible for the linguistic correctness of the papers. Contributions are accepted after peer-review process, and provided that they are approved by Editorial Board. Editorial Board has the right to disapprove the paper.

THAISZIA - JOURNAL OF BOTANY. Botanical Garden, P. J. Šafárik University, Košice, Slovakia. Address: Mánesova 23, 04352 Košice, Slovakia. * Phone: +421 55 2341603 * Web: <http://www.bz.upjs.sk/thaiszia> * E-mail: thaiszia@upjs.sk * ŠafárikPress, Šrobárova 2, 041 80 Košice, Slovakia. ID: 00397768. EV 4882/13. Press: EQUILIBRIA, s.r.o., Košice, Slovakia. * Frequency of publication: 2 issues per year * All inquiries & manuscripts should be addressed to the Executive Editor. Subscription & publication exchange request: Thaiszia Subscription Department, Mánesova 23, 04352 Košice, Slovakia.

Guide to authors

Original scientific works, short communications and reviews (biosystematics, botanical taxonomy, floristics reports, anatomy and morphology, phytogeography, chorology, phytocoenology, ecology, population biology, flora and vegetation, evolution, geobotany, paleobotany, chromosome studies, karyology, plant conservation, plant introduction, plant invasions, history of botany) in a maximum extent of 30 pages (the Editorial Board may accept longer papers) should be written **in English** (with the exclusion of descriptions of new taxa and syntaxa) in the following **layout**:

a) Title of the paper; **b)** The name and surname of the author (or authors); **c)** Author's contact address and e-mail address; **d)** Abstract (300 words as a maximum); **e)** Keywords (three to eight words); **f)** Text of the paper; the division of the paper is proposed by the author, the experimental works should be divided as follows: Introduction, Material and Methods, Results, Discussion; **g)** Acknowledgement (if any); **h)** References.

Papers in the electronic form **should be submitted to the executive editor** (Thaiszia - Journal of Botany, Botanical Garden of UPJŠ, Mánesova 23, SK-04352 Košice, Slovakia; preferably by e-mail: thaiszia@upjs.sk). The submission of a paper should be accompanied by the Declaration of right signed by all of the authors. The authors will be notified about the receipt of the paper. All the papers are peer reviewed by at least two reviewers active in the field the paper belongs to. The authors can provide names and contact information (e-mail address) of some experts in the field as possible reviewers of the paper. If the paper is returned for a revision, the authors should submit a revised version within 1 month. In some cases, the authors may request longer time for the revision. The accepted papers are printed and electronically published as soon as possible. The authors will obtain proofs in the form of pdf file.

The manuscript should be prepared in the electronic form as a Microsoft Word file, **double-spaced** throughout on normal paper of European size organized on A4 format (21 x 29.7 cm). Use Calibri types, size 11. Do not use the space bar to make indents, an indent command should be used for this purpose. Input your text continuously, i.e. insert hard returns exclusively at the ends of paragraphs or headings. Text with tables (*.doc, *.docx or *.rtf) and figures (*.tif, *.jpg, *.png) files of the **final** version should be attached to the e-mail.

Tables should be within the main text or in separate files, table heading should be written above the table, designated by abbreviation Tab. (e.g. Tab. 1). Tables should be used only when essential and **arranged with regard to the dimension of the printed page**. The tables should not include vertical lines (but the data must be arranged in table columns, do not use space bar to separate the data between the columns).

Figures must be high quality camera-ready or scanned pen-and-ink drawings. All figures should be accompanied by descriptive phrases (figure captions) within the text file or **in a separate file**. **Drawings and photographs of plant material should be accompanied by a scale bar, if necessary** (pollen grains, herbarium specimens etc.). Colour photographs can be published.

Literature references. In the text the references are given by the name of the author and the year of publication (in brackets), if one author: Robson (1977); if two: Kirschner & Štěpánek (1993); if more than three: Walentovski et al. (1997). In the list of references only the cited works are mentioned. Each article in the References chapter must include DOI identifier, if exists. Authors' names are listed in alphabetical order. The following format is to be used:

Dudáš M. (2019): *Taraxacum* sect. *Erythrosperma* in Slovakia. Part I. Addenda to distribution of *Taraxacum cristatum*. – Thaiszia – J. Bot. 29/1: 051-059. – doi.org/10.33542/TJB2019-1-03

Journal titles should follow IPNI web site: <http://ipni.org/ipni/publicationsearchpage.do>. Abbreviations are used. In the case of books, the title is followed by the data on edition and division of the work: Ed. 2., Vol. 3, and, following after the dash, the location of the edition. References to compendia and proceedings are introduced by the word **In**., according to the following example:

Jarolímeck I., Šibík J., Tichý L. & Kliment J. (2008): Diagnostic, constant and dominant species of the higher vegetation units of Slovakia. – In: Jarolímeck I. & Šibík J. (eds.): Diagnostic, constant and dominant species of the higher vegetation units of Slovakia, p. 9–294. – Veda, Bratislava.

All **plant names** must follow the accepted nomenclatural rules and cited with their author; e. g. *Knautia slovacica* Štěpánek. Abbreviations of the names of authors of plant names should follow IPNI web: <http://ipni.org/ipni/authorsearchpage.do>. Once cited in the text, the following reference to the species name may be written without authorship (*K. slovacica*). **Taxon name** should be written in *italic*. In the reviews with large number of taxa or in phytocoenological works it is possible to mention the nomenclatural references work used, without mentioning the authors of the taxa. As to syntaxa, similar rules should be used.

Contents

Naser Sabaghnia, Farid Normand Moayed & Mohsen Janmohammadi

Genetic variation and interrelationships of sainfoin genotypes as revealed by morphologic and agronomic markers1

Vincent Hugonnot, Florine Pépin & Johannes Enroth

Afrothamnium stipitatum (Mitt.) Enroth (Bryopyta) newly recorded in SW Asia, Saudi Arabia.....15

Richard Hrivnák

Three rarely occurring plant communities of *Glycerio-Sparganion* alliance (*Phragmito-Magnocaricetea* class) from Slovakia20

Matej Dudáš (ed.), Norbert Bauer, Pavol Eliáš Jr., Angéla Király, Gergely Király, Szabolcs Kis, Attila Molnár V. & Štefan Týr

New floristic records from Central Europe 15 (reports 222-231)28