



PHYTOLOGIA BALCANICA

VOL. 22(2) • AUGUST 2016

ISSN 1310-7771

ON-LINE ISSN: 1314-0027

www.bio.bas.bg/~phytolbalcan/

CONTENTS

- Dimitrova, D. & Ivanov, D.
131 International scientific conference "Plant diversity towards society"
- Dimitrova, D.
133 Global Strategy for Plant Conservation
- Bozukov, V.
135 Macroremains of edible plants from the Cenozoic of Bulgaria
- Djilianov, D., Moyankova, D. & Mladenov, P.
141 The Mediterranean: a cradle of the resurrection plants in Europe
- Yankova-Tsvetkova, E., Yurukova-Grancharova, P. & Vladimirov, V.
149 On the embryology of *Brassica jordanoffii* (*Brassicaceae*) – an endemic species in the Bulgarian flora
- Dimitrova, V.
155 Biomass in the herbaceous layer of spruce (*Pinaceae*) forest stands in Bulgaria
- Boseva, K. & Bosseva, Y.
161 Edible and medicinal plants in the cloister gardens of West Europe (800s – 900s AD)
- GusseV, Ch. V., Tzonev, R. T. & Dimitrov, M. A.
167 The future of submeasure "Pastoralism" of Measure 214 "Agro-ecological payments" in the Rural Development Programme of Bulgaria: advantages, disadvantages and challenges
- UzundzhaliEva, K., Desheva, G. & Ruseva, R.
179 Conservation and management of plant genetic resources in the Institute of plant genetic resources, Sadovo, Bulgaria
- Sokolov, R.
187 Preliminary test results of 15 species of Bulgarian flora cultivated as ornamental plants
- Sokolov, R., Shalamanov, S. & Marinov, V.
193 Species composition and self-reproduction ability of trees and shrubs in Plovdiv Municipality
- Uhr, Z. & Rachovska, G.
205 New Gizda variety of winter common wheat
- Simeonov, I.
209 Concise economic description of the basic local grapevine varieties for the Republic of Bulgaria
- Kalapchieva, S. H. & Pevicharova, G. T.
217 Evaluation of new green pea lines for freezing
- Desheva, G. N., Kyosev, B. N., Stoyanova, S. D. & Sabeva, M. D.
223 Grain quality of emmer germplasm (*Triticum dicoccon*) from the National Collection of Bulgaria
- Desheva, G. N., UzundzhaliEva, K. & Stoyanova, S.
233 *Ex situ* and *in vivo* conservation and utilization of crop wild relatives in Bulgarian National Genebank
- Petrova, S. & Desheva, G.
243 Path coefficient and correlation analyses of quantitative characters in Chickpea (*Cicer arietinum*)
- Angelova, S., Sabeva, M., Guteva, Y., Kalapchieva, S. & Kachaunova, E.
247 Agrobiodiversity in Bulgarian home gardens
- Sabeva, M., Angelova, S. & Guteva, Y.
251 Faba beans (*Vicia faba*) – a traditional leguminous crop in Bulgaria
- Gregor, T., Meierott, L. & Raus, T.
255 *Asperula tymphaea* (*Rubiaceae*) – a new species from Northern Pindus, Greece
- Vladimirov, V., Dane, F. & Tan, Kit
259 New floristic records in the Balkans: 30
- Tonkov, S. & Bozilova, E.
293 In Memoriam: Prof. Dr. Gerhard Lang (1924–2016)

PHYTOLOGIA BALCANICA

BULGARIAN ACADEMY OF SCIENCES
INSTITUTE OF BIODIVERSITY AND
ECOSYSTEM RESEARCH

PHYTOLOGIA BALCANICA



VOL. 22(2) • AUGUST 2016

The journal is covered in Biological Abstracts, BIOSIS Previews and EBSCO



VOL. 22(2) • AUGUST 2016

PHYTOLOGIA BALCANICA
International Journal of Balkan Flora and Vegetation
Volume 22 (2), Sofia, August 2016

EDITORIAL BOARD

Editor-in-Chief:

Dimiter Ivanov Institute of Biodiversity and Ecosystem Research, Bulgarian Academy of Sciences, Sofia, **Bulgaria**

Secretary:

Vladimir Vladimirov Institute of Biodiversity and Ecosystem Research, Bulgarian Academy of Sciences, Sofia, **Bulgaria**

EDITORS:

Mincho Anchev Institute of Biodiversity and Ecosystem Research, Bulgarian Academy of Sciences, Sofia, **Bulgaria**

Hans-Jürgen Beug Institute of Ecology, University of Göttingen, **Germany**

Elissaveta Bozhilova Biological Faculty, Sofia University, **Bulgaria**

Carles Codina Faculty of Pharmacy, University of Barcelona, **Spain**

Gheorghe Dihoru Institute of Biology, Romanian Academy, Bucharest, **Romania**

Anna Ganeva Institute of Biodiversity and Ecosystem Research, Bulgarian Academy of Sciences, Sofia, **Bulgaria**

Werner Greuter Herbarium Mediterraneum, Orto Botanico, Palermo, **Italy**

Nejc Jogan Department of Biology, University of Ljubljana, **Slovenia**

Tenyo Meshinev Institute of Biodiversity and Ecosystem Research, Bulgarian Academy of Sciences, Sofia, **Bulgaria**

Zdenka Neuhauslova Institute of Botany, Czech Academy of Sciences, Prague, **Czech Republic**

Neriman Özhatay Pharmaceutical Faculty, University of Istanbul, **Turkey**

Dimiter Peev Institute of Biodiversity and Ecosystem Research, Bulgarian Academy of Sciences, Sofia, **Bulgaria**

Dimitrios Phitos Botanical Institute, University of Patras, **Greece**

Vladimir Stevanović Institute of Botany and Botanical Garden, University of Belgrade, **Serbia**

Arne Strid Botanical Museum, University of Lund, **Sweden**

Tod Stuessy Faculty Center Botany, Institute of Botany, University of Vienna, **Austria**

Kit Tan Institute of Biology, University of Copenhagen, **Denmark**

Pertti Uotila Botanical Museum, University of Helsinki, **Finland**

Jerzy Zielinski Institute of Dendrology, Polish Academy of Sciences, Poznan, **Poland**

Address:

Phytologia Balcanica
Editorial Office
Acad. G. Bonchev St., bl. 23
1113 Sofia, Bulgaria

Internet Addresses:

e-mail: phytobalcanica@abv.bg
phytolbalcan@gmail.com
<http://www.bio.bas.bg/~phytolbalcan/>

ISSN 1310-7771

On-line ISSN: 1314-0027

©Institute of Biodiversity and Ecosystem Research
Bulgarian Academy of Sciences, 2016

Printed by:

Prof. Marin Drinov Publishing House
of Bulgarian Academy of Sciences
Acad. G. Bonchev St., bl. 6, 1113 Sofia, Bulgaria

English Language Editor:

Lydia Shvedova

Design of the cover page:

Krassimir Apostolov

Print design:

Simeon Simeonov

Cover illustration:

Onobrychis citrina (left)

Photo: A. Strid, Sweden

Edraianthus horvatii (right)

Photo: A. Strid, Sweden

Stefan Stanev, 2016

**Foreign Explorers of the
Bulgarian Flora and Vegetation**

Plovdiv University Press 'Paisii Hilendarski', Plovdiv
148 pp., paperback, ISBN 978-619-202-022-4 (in Bulgarian)



The book reviews the studies of foreign explorers on the Bulgarian flora and vegetation began in the late 18th century and continued until 1944. It is intended for botanists, teachers, students and all those interested in the history of Bulgarian botany and natural history.