

Acta zoologica bulgarica

ISSN 0324-0770 (print)
ISSN 2603-3798 (online)

72 (4) • Sofia • December 2020

Institute of Biodiversity and Ecosystem Research
Bulgarian Academy of Sciences

**East and South European Network for Invasive Alien Species (ESENIAS)
Danube Region Invasive Alien Species Network (DIAS)**

Scientific Reports 4

Joint ESENIAS and DIAS Scientific Conference and 9th ESENIAS Workshop

**Species, Ecosystems and Areas of Conservation Concern under Threat
from the Invasive Alien Species**

Guest Editors:

Teodora Trichkova (Editor-in-Chief),
Sasho Trajanovski, Konstantin Zdraveski, Rumen Tomov, Hristina Kalcheva,
Ani Hadjieva (language editor)

Information on the contents of this journal is abstracted and indexed by:

- Web of Science Core Collection (Clarivate Analytical) – jcr.incites.thomsonreuters.com/JCRJournalHomeAction.action
- Scopus (Elsevier) – scopus.com

Information on the contents of this journal is abstracted also by:

- BIOSIS Citation Index (Clarivate Analytical) – apps.webofknowledge.com
- Zoological Record (Clarivate Analytical) – apps.webofknowledge.com
- Science Citation Index Expanded (Clarivate Analytical) – apps.webofknowledge.com
- Conference Proceedings Citation Index-Science (CPCI-S) (Clarivate Analytical) – apps.webofknowledge.com
- CAB Direct (CAB International, UK) – cabdirect.org
- Vserossiyskiy Institut Nauchnoy i Tekhnicheskoy Informatsii RAN (VINITI RAN) – catalog.viniti.ru

This issue is financially supported by:



**Public Institution Galicica
National Park, Republic
of North Macedonia**



**National Science Fund
of the Republic
of Bulgaria**

Joint ESENIAS and DIAS Scientific Conference and 9th ESENIAS Workshop
Species, ecosystems and areas of conservation concern under threat
from the invasive alien species
3–6 September 2019, Ohrid, Republic of North Macedonia

Organised by:

Hydrobiological Institute Ohrid (HIO)
East and South European Network for Invasive Alien Species (ESENIAS)
Danube Region Invasive Alien Species Network (DIAS)
Institute of Biodiversity and Ecosystem Research (IBER-BAS)



Supported by:

Ministry of Education and Science of the Republic of North Macedonia
Public Institution Galicica National Park



Reviewers:

Ali Serhan Tarkan, Turkey
Anders Endrestøl, Norway
Argyro Zenetos, Greece
Boris Nikolov, Bulgaria
Borislav Naumov, Bulgaria
Boyan Zlatkov, Bulgaria
Constantina Chireceanu, Romania
Dan Cogălniceanu, Romania
Daniela Pilarska, Bulgaria
Doru Bănăduc, Romania
Eliza Uzunova, Bulgaria
Ensaf Mohamed, Sudan
Gábor Szócs, Hungary
Gábor Véték, Hungary
Gabriel Chișamera, Romania
Ioan Sîrbu, Romania
Ioana Grozea, Romania
Ivan Pandourski, Bulgaria
Kremena Stefanova, Bulgaria
Lucian Pârvulescu, Romania

Lyubomir Kenderov, Bulgaria
Lyudmila Kamburska, Italy
Marina Piria, Croatia
Mario Langourov, Bulgaria
Marius Skolka, Romania
Markéta Ondračková, Czech Republic
Milcho Todorov, Bulgaria
Mirjana Lenhardt, Serbia
Nikolay Simov, Bulgaria
Pavel Jurajda, Czech Republic
Péter Borza, Hungary
Petya Ivanova, Bulgaria
Predrag Simonović, Serbia
Rumen Tomov, Bulgaria
Sanja Radonjić, Montenegro
Şerife Gülsün Kirankaya, Turkey
Tihomir Stefanov, Bulgaria
Umberto Bernardo, Italy
Yuriy Kvach, Ukraine
Zdravko Hubenov, Bulgaria



We dedicate this issue to the memory of

PROF. DR. LJUPČO MELOVSKI (30.06.1958 – 29.04.2019)

**affiliated to the Institute of Biology,
Faculty of Natural Sciences and Mathematics, University in Skopje,
Republic of North Macedonia, member of the Scientific Committee
of the conference, our collaborator and our friend!**