

FOLIA MALACOLOGICA

Folia Malacol. 28 (2)

ISSN 1506-7629

www.foliamalacologica.com



An International Quarterly Journal of Malacology



Published by:
The Association of Polish Malacologists
Faculty of Biology, Adam Mickiewicz University in Poznań
Bogucki Wydawnictwo Naukowe

Poznań, June 2020

EDITORIAL BOARD

Editor-In-Chief

ANDRZEJ LESICKI (editor in physiology, cell biology, molecular genetics)
Department of Cell Biology, Faculty of Biology, Adam Mickiewicz University, Poznań
Uniwersytetu Poznańskiego 6, 61-614 Poznań, Poland, e-mail: alesicki@amu.edu.pl

Editors

BEATA M. POKRYSZKO (editor in evolutionary biology, phylogenetics, taxonomy, systematics)
Museum of Natural History, University of Wrocław,
Sienkiewicza 21, 50-335 Wrocław, Poland, e-mail: beata.pokryszko@uwr.edu.pl

ELŻBIETA KUŹNIK-KOWALSKA (editor in ecology, biology)
Department of Invertebrate Systematics and Ecology, Institute of Biology,
Wrocław University of Environmental and Life Sciences
Kozuchowska 5b, 51-631 Wrocław, Poland, e-mail: elzbieta.kowalska@upwr.edu.pl

MAŁGORZATA PROCKÓW (editor in ecology, behavioural & developmental biology)
Museum of Natural History, University of Wrocław,
Sienkiewicza 21, 50-335 Wrocław, Poland, e-mail: malgorzata.prockow@uwr.edu.pl

EWA STWORZEWICZ (editor in palaeomalacology, systematics, biogeography)
Institute of Systematics and Evolution of Animals, Polish Academy of Science,
Sławkowska 17, 31-016 Cracow, Poland, e-mail: stworzewicz@isez.pan.krakow.pl

ANNA SULIKOWSKA-DROZD (editor in ecology, biology, hydrobiology)
Department of Invertebrate Zoology and Hydrobiology,
Faculty of Biology and Environmental Protection, University of Łódź
Banacha 12/16, 90-237 Łódź, Poland, e-mail: anna.drozd@biol.uni.lodz.pl

Language Editors

BEATA M. POKRYSZKO
Museum of Natural History, University of Wrocław,
Sienkiewicza 21, 50-335 Wrocław, Poland, e-mail: beata.pokryszko@uwr.edu.pl

ROBERT A. D. CAMERON
Department of Plant and Animal Sciences, University of Sheffield,
Sheffield S10 2TN, United Kingdom, e-mail: r.cameron@sheffield.ac.uk

Statistical Editor

MARIA KOZŁOWSKA
Department of Mathematical and Statistical Methods, Poznań University of Life Sciences,
Wojska Polskiego 28, 60-637 Poznań, Poland, e-mail: markoz@up.poznan.pl

Technical Editor

JAROSŁAW BOGUCKI
Bogucki Wydawnictwo Naukowe, Górna Wilda 90, 61-576 Poznań, Poland, e-mail: jarek@bogucki.com.pl

ADVISORY BOARD

STEFAN W. ALEXANDROWICZ (Chairman) · Polish Academy of Arts and Sciences, Cracow, Poland

RAFAEL ARAÚJO · National Museum of Natural Sciences, Madrid, Spain

ROBERT A. D. CAMERON · University of Sheffield, Sheffield, United Kingdom

ZOLTÁN FEHÉR · Hungarian Natural History Museum, Budapest, Hungary

DILIAN G. GEORGIEV · University of Plovdiv, Plovdiv, Bulgaria

MICHAL HORSÁK · Masaryk University, Brno, Czech Republic

JOHN HUTCHINSON · Senckenberg Museum of Natural History, Görlitz, Germany

PAOLA LOMBARDO · University of L'Aquila, L'Aquila / Limno Consulting, Rome, Italy

BARNA PÁLL-GERGELY · Plant Protection Institute, Budapest, Hungary

ANDRZEJ PIECHOCKI · University of Łódź, Łódź, Poland

HEIKE REISE · Senckenberg Museum of Natural History, Görlitz, Germany

Folia Malacologica is published on-line: www.foliamalacologica.com

This paper version is treated by editorial board as a reference source.

Copyright © The Association of Polish Malacologists 2020

Printed in Poland

Publication date of this issue: June 20th, 2020