

TABLE OF CONTENTS

Claudia Ricci, Ramesh D. Gulati, Ramesh C. Dalela, Singaraju S.S. Sarma, Eduardo Vicente & Antonio Camacho. A tribute to María Rosa Miracle.	13
• <u>Meromictic lakes, phytoplankton ecology</u>	
Sendra, M. D., M. R. Miracle, E. Vicente, A. Picazo and A. Camacho. Temporal succession, spatial dynamics and diversity of phytoplankton in the meromictic Laguna de la Cruz: the role of stratification patterns	33
• <u>Meromictic lakes, methanogenic bacteria consortia</u>	
Amelia-Elena Rotaru, Nicole R. Posth, Carolin R. Löscher, Maria R. Miracle, Eduardo Vicente, Raymond P. Cox, Jennifer Thompson, Simon W. Poulton and Bo Thamdrup Interspecies interactions mediated by conductive minerals in the sediments of the Iron rich Meromictic Lake La Cruz, Spain	55
Genoveva F. Esteban, Ken J. Clarke, Eduardo Vicente, Miracle M. R. and Bland J. Finlay The ‘unseen’ microbial diversity of a Spanish solution lake: ecological and other implications	75
• <u>Cyanobacteria, algae and drinking water quality</u>	
István Grigorszky, Keve Tihamér Kiss, László József Szabó, György Dévai, Sándor Alex Nagy, Imre Somlyai, Csaba Berta, Marija Gligora-Udovič, Gábor Borics, Gabriella Pór, Yaqoob Majd Muwafaq, Arber Hajredini, Uyanga Tumurtogoo and Éva Ács Drivers of the <i>Ceratium hirundinella</i> and <i>Microcystis aeruginosa</i> coexistence in a drinking water reservoir	85
• <u>Phytoplankton, biogeography and taxonomy</u>	
Zsuzsa Trábert, Krisztina Buczkó, Gábor Borics, Marija Gligora Udovič, Balasubramanian Karthick, Luc Ector, Angéla Földi, Keve T. Kiss and Éva Ács Biogeography and morphology of a poorly known diatom <i>Dorofeyukea rostellata</i> (Hustedt) Kulikovskiy & Kociolek	101
María Dolores Sendra, Viviane Moschini-Carlos, Marcelo L. M. Pompêo, Xavier Soria, Juan Miguel Soria and Eduardo Vicente <i>Ceratium furcoides</i> (Levander) Langhans in reservoirs at the Ebro watershed, Spain, and Sao Paulo state, Brazil	117
• <u>Zooplankton – phytoplankton relationships</u>	
João Vitor Fonseca da Silva, Matheus Tenório Baumgartner, Maria Rosa Miracle, Juliana Déo Dias, Luzia Cleide Rodrigues and Claudia Costa Bonecker Can zooplankton grazing affect the functional features of phytoplankton in subtropical shallow lakes? – Experiment <i>in situ</i> in the south of Brazil	135

Rafael Morales-Baquero, Carmen Pérez-Martínez, Eloísa Ramos-Rodríguez, Pedro Sánchez-Castillo, Manuel Villar-Argaiz and José María Conde-Porcuna	
Zooplankton advective losses may affect chlorophyll-a concentrations in fishless high-mountain lakes	149
Wayne A. Wurtsbaugh, María Rosa Miracle, Antonio Camacho, Javier Armengol and Eduardo Vicente	
Limited importance of primary production in the deep chlorophyll layer for macro-zooplankton in an oligotrophic karst lake: A whole lake ¹⁵ N experiment	161
• <u>Zooplankton ecology</u>	
Manuel Serra, Eduardo M. García-Roger, Raquel Ortells and María José Carmona	
Cyclically parthenogenetic rotifers and the theories of population and evolutionary ecology	183
Henri J. Dumont	
Zooplankton vertical migration in two Sahara lakes with contrasting biotic environments	211
Maria Sahuquillo and Maria Rosa Miracle	
Rotifer communities in Mediterranean ponds in eastern Iberian Peninsula: abiotic and biotic factors defining pond types	219
Fabio Stoch, Daria Vagaggini and Fiorenza Gabriella Margaritora	
Macroecological and spatial patterns in the distribution of cladocerans in Alpine lakes	235
Santiago Cabrera, Jordi Compte, Stéphanie Gascón, Dani Boix, David Cunillera-Montcusí, Lucas Barrero and Xavier D. Quintana	
How do zooplankton respond to coastal wetland restoration? The case of newly created salt marsh lagoons in La Pletera (NE Catalonia)	253
S. Nandini and S.S.S. Sarma	
Reproductive strategies of <i>Moina</i> (Cladocera) in relation to their habitat	275
Robert L. Wallace and Elizabeth J. Walsh	
Evidence does not support the conclusion that <i>Hexarthra intermedia</i> (Rotifera, Monogononta, Flosculariaceae) causes mortality in <i>Bosmina longirostris</i> (Cladocera, Diplostraca, Branchiopoda)	285
Terry W. Snell, Rachel K. Johnston and Brande L. Jones	
Hypoxia extends lifespan of <i>Brachionus manjavacas</i> (Rotifera)	297
• <u>Zooplankton distribution, diversity and taxonomy</u>	
Federico Marrone, Giuseppe Alfonso, Fabio Stoch, Valentina Pieri, Miguel Alonso, Michalis Dretakis and Luigi Naselli-Flores	
An account on the non-malacostracan crustacean fauna from the inland waters of Crete, Greece, with the synonymization of <i>Arctodiptomus piliger</i> Brehm, 1955 with <i>Arctodiptomus alpinus</i> (Imhof, 1885)	307

- Karime de Araujo Paina and Maria da Graça Gama Melão**
Zooplankton community structure from tropical temporary ponds during a flood period 329
- Nancy Fabiola Mercado-Salas and Eduardo Suárez-Morales**
On the taxonomic status of some South American *Eucyclops* (Copepoda: Cyclopoida: Eucyclopinae) 353
- Victor R. Alekseev, Maria R. Miracle, Maria Sahuquillo and Eduardo Vicente**
Redescription of *Acanthocyclops vernalis* (Fischer, 1853) and *Acanthocyclops robustus* (Sars, 1863) from neotypes, with special reference to their distinction from *Acanthocyclops americanus* (Marsh, 1892) and its invasion of Eurasia 373
- Artem Y. Sinev, Yangliang Gu and Bo-Ping Han**
Winter-Spring fauna of Cladocera of Dali Bai Autonomous Prefecture, Yunnan Province, China 395
- Muñoz-Colmenares, M. E., E. Vicente, J. M. Soria and M. R. Miracle**
Zooplankton changes at six reservoirs in the Ebro watershed, Spain 413
- Maria Rosa Miracle, Guillermo Ramón and Gabriel Moyà**
Zooplankton of Cúber and Gorg Blau reservoirs, Majorca (Mallorca). An unpublished contribution by Dr. Maria Rosa Miracle to the regional limnology of the Balearic Islands 429
- Zooplankton, molecular taxonomy
- Diego Fontaneto, Ester M. Eckert, Nikoleta Anicic, Enrique Lara and Edward A. D. Mitchell**
We are ready for faunistic surveys of bdelloid rotifers through DNA barcoding: the example of *Sphagnum* bogs of the Swiss Jura Mountains 437
- Manuel Elías-Gutiérrez, Petr Jan Juračka, Lucía Montoliu-Elena, Maria Rosa Miracle, Adam Petrusek and Vladimír Kořínek**
Who is *Moina micrura*? Redescription of one of the most confusing cladocerans from *terra typica*, based on integrative taxonomy 451
- Lucía Montoliu-Elena, Manuel Elías-Gutiérrez and Marcelo Silva-Briano**
Moina macrocopa (Straus, 1820): a species complex of a common Cladocera, highlighted by morphology and DNA barcodes 477
- Zooplankton, environmental toxicology
- S.S.S. Sarma, S. Nandini, M.R. Miracle and E. Vicente**
Effect of a cyanobacterial diet on the competition between rotifers: a case study in Lake Albufera of Valencia, Spain 505
- Zooplankton as ecological quality indicator
- Daniel Montagud, Juan M. Soria, Xavier Soria-Perpiñà, Teresa Alfonso and Eduardo Vicente**
A comparative study of four indices based on zooplankton as trophic state indicators in reservoirs 519

- Bruno Paes De-Carli, Adriano Bressane, Regina Márcia Longo, Agatha Manzi-Decarli, Viviane Moschini-Carlos and Marcelo Luiz Martins Pompêo**
Development of a zooplankton biotic index for trophic state prediction in tropical reservoirs 531
- Macrophytes
- Maria A. Rodrigo and Sara Calero**
Phenology of macrophytes in coastal environments: *Utricularia australis* (R. Br.) and *Stuckenia pectinata* (L.) Börner in an interdunal pond within the Albufera de València Natural Park 547
- Macroinvertebrates
- Juan M. Clemente, Thomas Boll, Franco Teixeira-de Mello, Carlos Iglesias, Asger Roer Pedersen, Erik Jeppesen and Mariana Meerhoff**
Role of plant architecture on littoral macroinvertebrates in temperate and subtropical shallow lakes: a comparative manipulative field experiment 567
- Palaeolimnology
- Charo López-Blanco and Lidia Romero-Viana**
Dry and wet periods over the last millennium in central-eastern Spain-a paleolimnological perspective 583
- Marco-Barba, J., Burjachs, F., Reed, J.M., Santisteban, C., Usera, J.M., Alberola, C., Expósito, I., Guillem, J., Patchett, F., Vicente, E., Mesquita-Joanes, F. and Miracle, M.R.**
Mid-Holocene and historical palaeoecology of the Albufera de València coastal lagoon 601
- Edyta Zawisza, Izabela Zawiska, Krystyna Szeroczyńska, Alexander Correa-Metrio, Joanna Mirosław-Grabowska, Milena Obremska, Monika Rządziejewicz, Michał Słowiński and Michał Woszczyk**
Dystrophication of lake Suchar IV (NE Poland): an alternative way of lake development 639
- Krisztina Buczkó, Éva Ács, Katalin Báldi, Virág Pozderka, Mihály Braun, Keve Tihamér Kiss and János Korponai**
The first high resolution diatom record from Lake Balaton, Hungary in Central Europe 665
- Korponai, János, Mihály Braun, László Forró, István Gyulai, Csilla Kövér, Judit Nédli, István Urák and Krisztina Buczkó**
Taxonomic, functional and phylogenetic diversity: how subfossil cladocerans mirror contemporary community for ecosystem functioning: a comparative study in two oxbows 679
- Remote sensing images for water quality studies
- Xavier Sòria-Perpinyà, Patricia Urrego, Marcela Pereira-Sandoval, Antonio Ruiz-Verdú, Ramón Peña, Juan M. Soria, Jesús Delegido, Eduardo Vicente and José Moreno**
Monitoring the ecological state of a hypertrophic lake (Albufera of València, Spain) using multitemporal Sentinel-2 images 707

- Iris Amati Martins, Danielle Fein, Marcelo Luiz Martins Pompêo and Marisa Dantas Bitencourt**
 Determination of the Trophic State Index (TSI) using remote sensing, bathymetric survey and empirical data in a tropical reservoir 721
- Marcela Pereira-Sandoval, Esther Patricia Urrego, Antonio Ruiz-Verdú, Carolina Tenjo, Jesús Delegido, Xavier Soria-Perpinyà, Eduardo Vicente, Juan Soria and José Moreno**
 Calibration and validation of algorithms for the estimation of chlorophyll-a concentration and Secchi depth in inland waters with Sentinel-2 737
- Lakes ecological management
- Linda May, Philip Taylor, Bryan Spears, Jo-Anne Pitt, Adrian L. Collins, Isabel Corkley, Steven Anthony, David Skirvin, David Lee and Pamela Naden**
 Decision support framework to identify lakes that are likely to meet water quality targets if external inputs of phosphorus from agriculture are reduced 757
- Anne Jégou and Carles Sanchis-Ibor**
 The opaque lagoon. Water management and governance in l'Albufera de València wetland (Spain) 771
- María Rosa Miracle, recent publications** 785