



15th
EUROPEAN
DIATOM MEETING

PROGRAMME

Ohrid, North Macedonia
7th – 9th May, 2024



15th EUROPEAN DIATOM MEETING

Monday 06.05.2024	Tuesday 07.05.2024	Wednesday 08.05.2024	Thursday 09.05.2024	Friday 10.05.2024
	8:00 – 9:15 Registration	8:00 – 9:00 Registration	8:00 – 9:00 Registration	09:00 - 18:00 Workshop
	9:15 – 13:00 Morning session	9:00 – 13:00 Morning session	9:00 – 13:00 Morning session	
	13:00 – 15:00 Lunch break	13:00 – 15:00 Lunch break	13:00 – 14:30 Lunch break	
16:00 – 20:00 Registration	15:00 – 17:00 Afternoon session	15:00 – 17:00 Afternoon session	14:30 – 19:00 Excursion	
	17:00 – 19:00 Poster session	17:00 – 19:00 Poster session	19:30 – 20:00 Closing remarks	18:00 - 00:00 Young ISDR networking
	19:30 – 00:00 Welcome party	19:30 – 22:00 Gala dinner	20:00 – 00:00 Social event	

06.05.2024 - Monday

16:00 - 20:00 Registration and mounting posters

07.05.2024 - Tuesday

- 08:00 - 09:15 Registration and mounting posters
- 09:15 - 09:30 Opening ceremony - Welcome address by Prof. Dr. Zlatko Levkov, Institute of Biology, Faculty of Natural Sciences, Ss. Cyril and Methodius University in Skopje
- SESSION 1 - SYSTEMATICS AND TAXONOMY**
- Chairs – Ingrid Jüttner & Jan Kollár
- 09:30 - 10:10 **Keynote lecture 1**
Walter Salzburger, Zoological Institute, University of Basel, Basel, Switzerland
 Explosive diversification in Darwin’s Dreampond: The cichlid fishes of Lake Tanganyika
- 10:10 - 10:25 **David G. Mann**
Tryblionella compressa shouldn’t be put in *Tryblionella* (Witkowski was right!) and it may also not be *compressa*!
- 10:25 - 10:40 **Rafał M. Olszyński**, Ewa Górecka, Rosa Trobajo, Romain Gastineau, Matt Ashworth & David G. Mann
 Morphological and molecular revision of apiculatae *Tryblionella* species
- 10:40 - 11:10 Coffee break (mounting the posters)
- Chairs – Wolf-Henning Kusber & Antonija Kulaš
- 11:10 - 11:25 **Bart Van de Vijver**, Margaux Pottiez, Tanja M. Schuster & Wolf-Henning Kusber
 Revision of the araphid genus *Stauroforma* (Staurosiraceae, Bacillariophyceae) based on Grunow’s original material
- 11:25 - 11:40 **Hyesuk Kim**, Jinsoon Park, Yebin Jeon, Yangrae Rho, Jongseong Khim & Minseop Kim
 Description of two new *Luticola* (Bacillariophyta) species from a supratidal zone of Korea
- 11:40 - 11:55 **Maria Kahlert**, Demetrio Mora & Jonas Zimmermann
Eunotia isolated from Swedish streams – A story of beautiful taxa with some loose ends

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- 11:55 - 12:10 **Yangrae Rho**, Jong Seong, Khim & Jinsoon Park
Marine benthic diatoms from Ulleungdo, Korea
- 12:10 - 12:25 **Sarah A. Spaulding**, Anna Nesterovich & Anne Jennings
Clarification of the ecologically important species,
Coscinodiscus oculus-iridis Ehrenb.
- 12:25 - 12:40 **Elif Yilmaz**, Romain Gastineau, Claude Lemieux, Cüneyt Nadir Solak, David Mann, Ewa Górecka, Horst Lange-Bertalot, Matt Ashworth, Monique Turmel, Rosa Trobajo & Andrzej Witkowski
Diatoms of the largest soda lake in the world: insights from molecular and morphological studies
- 12:40 - 13:00 Announcements and group photo
- 13:00 - 15:00 Lunch break

SESSION 2 – TAXONOMY AND PHYLOGENY

Chairs – Paul Hamilton & Aleksandra Cvetkoska

- 15:00 - 15:15 **Carlos Wetzel**, David M. Williams, Frédéric Rimet, Bart Van de Vijver & David G. Mann
Morphological analysis of type material of *Mayamaea atomus* and its terrestrial allies, with insights into the genetic diversity of the genus
- 15:15 - 15:30 **Marco Cantonati**, María Cid-Rodríguez, Nicola Angeli, Priscillia Gourvil, Michele Grego, Daniel Spitale, Francesco Trenti & Graziano Guella
Integrative taxonomic and ecological characterization of *Eunotia tenella* (Grunow) Hust., a diatom red-list species typical of oligo-dystrophic headwater habitats
- 15:30 - 15:45 **Ewa Górecka**, Matt Ashworth, Olga Davidovich, Nikolai Davidovich, Przemysław Dąbek, Romain Gastineau & Andrzej Witkowski
Insights into taxonomy, molecular phylogeny and sexual reproduction of monoraphid diatoms closely related to Stauroneidaceae
- 15:45 - 16:00 **Katherina Schimani**, Nélide Abarca, Oliver Skibbe, Heba Mohamad, Regine Jahn, Wolf-Henning Kusber & Jonas Zimmermann
Distinct or similar? Marine benthic diatom diversity in

Antarctic and Arctic coastal zones investigated by DNA metabarcoding

16:00 - 16:30 Coffee break (mounting the posters)

16:30 - 16:45 **Andrea M. Burfeid Castellanos**, Maria H. Novais, Manuela Morais, Zoltán Csabai, Bálint Pernecker, Eman Calleja, Armin Lorenz, Frédéric Rimet & Agnès Bouchez
Intermittent rivers around Europe and the Mediterranean – diatom community variability caught through amplicon sequencing

16:45 - 16:55 **Slavko Žižek**
Use of JEOL Scanning Electron Microscope in biology and diatom research - experiences from Scan doo

16:55 - 17:00 Announcements

17:00 - 19:00 Poster session

19:30 - 20:30 Concert of Chalgia Sound System

20:30 - 00:00 Macedonian traditional dinner, Hotel Bellevue terrace

08.05.2024 - Wednesday

08:00 - 09:00 Registration + mounting posters

SESSION 3 – DIATOM GENETIC AND PHYSIOLOGY

Chairs – Andrea Burfeid Castellano & Bart Van de Vijver

09:00 - 09:40 **Keynote lecture 2**

Richard Dorrell, Laboratory of Computational and Quantitative Biology of the Sorbonne Université, Paris, France
Understanding the Dark Matter of the Diatom Chloroplast

09:40 - 09:55 **Wim Vyverman**, Gust Bilcke, Darja Belisova, Sien Audoor, Nadine Rijdsdijk & Klaas Vandepoele
Tracking diatom sexual events using marker gene expression

09:55 - 10:10 **Vera Cardoso**, Pedro Fernandes, Rita Sarreira, Anthony Moreira, Sónia Cruz, Martin Lopez-García & Johannes W. Goessling
Sexual reproduction limits the use of clonal lines to control phenotypic variation of *Coscinodiscus granii* frustule

- morphologies for photonic applications
- 10:10 - 10:25 **Sandi Orlić**, Ivana Stanić & Andrea Čačković
Diversity of microeukaryotes in different lakes in Croatia
- 10:25 - 10:40 **Ulf Karsten**
Dark survival mechanisms in polar benthic diatoms
- 10:40 - 11:10 Coffee break

SESSION 4 – FRESHWATER ECOLOGY

- Chairs – Danijela Vidaković & Jeffrey R. Johansen
- 11:10 - 11:25 **Anca-Mihaela Şuteu**, Goia Irina, Zsigmond Andreea Rebeka & Puşcaş Mihai
Bryophytes: a neutral or targeted microhabitat for diatoms in karstic springs
- 11:25 - 11:40 **Maria Vittoria Tenci**, Walter Bertoldi, Leonardo Cerasino, Marco Toffolon & Monica Tolotti
Benthic diatom communities in two proglacial lakes with different glacial influence (Cevedale Glacier, Italy)
- 11:40 - 11:55 **Tereza Vošická**, Tyler J. Kohler, Jade Brandani, Jan Kollár, Hristina Kochoska, Kateřina Kopalová, Hannes Peter, Massimo Bourquin, Grégoire Michoud, Leïla Ezzat, Susheel Bhanu Busi & Tom J. Battin
Life beneath the Glacier: Unravelling the Diatom Diversity in Changing Streams of Glacier Floodplains
- 11:55 - 12:10 **Kálmán Tapolczai**, Lajos Vörös & Boglárka Somogyi
Marinas as artificial habitats along the shoreline of Lake Balaton favour more homogeneous periphytic diatom assemblages
- 12:10 - 12:25 **Tyler Kohler**, Lee Stanish, Joshua Darling & Diane McKnight
Using diatoms to track sources of particulate organic matter in an Antarctic glacial-fed stream
- 12:25 - 12:40 **Ntambwe Albert Serge Mayombo**, Andrea M. Burfeid-Castellanos, Anna-Maria Vermiert, Iris Madge Pimentel, Philipp M. Rehsen, Mimoza Dani, Christina Jasinski, Marzena Agata Spyra, Michael Kloster, Danijela Vidakovic, Dominik Buchner & Bánk Beszteri
Assessing the functional and compositional responses of

stream microalgal communities to stressors increase and release in a mesocosm experiment

12:40 - 12:55 **Lucie Kotyžová**, Gerald V. Sgro, Markéta Bohunická, Alison Frohn, Radka Hauerová, Tomáš Bešta & Jeffrey R. Johansen
Historical water quality reconstruction of Tinkers Creek, OH (USA) through examination of diatoms from fish gut

12:55 - 13:00 Announcements

13:00 - 15:00 Lunch break

SESSION 5 – MARINE, BRACKISH AND PEAT ECOLOGY

Chairs – Nenad Jasprica & Viktoria Berezovska

15:00 - 15:15 **Margaux Pottiez**, Sunčica Bosak, Ralitsa Zidarova & Bart Van de Vijver

Shifting shells: environmental drivers of diatom community composition on loggerhead sea turtles

15:15 - 15:30 **Sanda Skejić**, Blanka Milić Roje, Jasna Arapov, Mia Bužančić, Ana Bakrač, Maja Straka, Frano Matic & Živana Ninčević Gladan

Long-term phytoplankton dynamics and diversity in the coastal Adriatic Sea: A comprehensive analysis of 14 years dataset

15:30 - 15:45 **Marjan Janßen** & Ulf Karsten

Effect of mobile bottom trawling on microphytobenthic communities in the German Baltic Sea

15:45 - 16:00 **Lara R. Prella** & Ulf Karsten

Along the coast: Unveiling the impact of peatland water on Baltic Sea and peatland benthic diatom growth

16:00 - 16:30 Coffee break

16:30 - 16:45 **Konrad Schultz**, Ulf Karsten, Mirko Dreßler, Lara Prella

Diatom community response to the sudden rewetting of a coastal peatland

16:45 - 17:00 **Cassandra Araujo**, Kevin H. Wyatt & Allison R. Rober

For richer or poorer: diatoms as indicators of biological condition in northern peatlands

17:00 - 19:00 Poster session

19:30 – 22:00 Gala Dinner on boat

09.05.2024 - Thursday

08:00 - 09:00 Registration

SESSION 6 – PALEOECOLOGY AND FOSSIL RECORDS

Chairs – Nadja Ognjanova-Rumenova & Kálmán Tapolczai

09:00 - 9:40

Keynote lecture 3

Anson W. Mackay, Department of Geography, University College London, London, United Kingdom

The palaeolimnological significance of ancient diatoms in ancient lakes

09:40 - 09:55

Monica Tolotti, Andrea Lami, Simona Musazzi, Carlotta Santolini, Hansjörg Thies & Manuela Milan

Subfossil diatoms of perialpine lakes reveal early lake responses to climate warming and human impact in the 20th century

09:55 - 10:10

Ines Galović, Katarina Caput Mihalić, Nikolina Ilijanić, Ozren Hasan, Maja Ledinski, Slobodan Miko & Saša Mesić

Evidence of lake-level fluctuations based on diatoms in Lake Vransko, Cres Island (Adriatic Coast) during the late Holocene

10:10 - 10:25

Cécile Figus, Andrey Yu. Gladenkov, Tatyana V. Oreshkina, Volkan Özen, Johan Renaudie, Pavel Smirnov & Jakub Witkowski

Major change in the distribution of diatomite deposits in the middle Eocene (~44 ma)

10:25 - 10:40

Karolina Brylka, Andrew J. Alverson, Sylvain Richoz, Matt P. Ashworth, Rebecca A. Pickerin & Daniel J. Conley

Developments in the fossil record and early evolution of marine diatoms

10:40 - 10:55

Nadja Ognjanova-Rumenova

Diatom biostratigraphy of the Sarmatian shallow-water succession in the Zelenka section, NE Bulgaria

10:55 - 11:00

Announcements

11:00 - 11:30

Coffee break

SESSION 7 – DIATOM APPLICATIONS

Chairs – Carlos Wetzel & Tuğçe Sezgin

- 11:30 - 11:45 **Johannes W. Goessling**, Matt P. Ashworth, Daryl W. Lam, Schonna R. Manning, Martin Lopez-Garcia
Photonic crystal slabs in diatoms: Functionality, distribution, and potential physiological implications
- 11:45 - 12:00 **Izabela Zglobicka**, Ewa Borucinska, Przemyslaw Dabek, Jakub Augustyniak, Ping-Hung Yeh, Andrzej Witkowski & Krzysztof J. Kurzydowski
Insight into biological structures using various imaging and image analysis techniques
- 12:00 - 12:15 **Michael Kloster**, Andrea Burfeid-Castellanos & Bánk Beszteri
Segmentation of diatom images: From idealized experiments towards real word settings
- 12:15 - 12:30 **Anthony Moreira**, Raquel S. Miguel, Isabel Sousa, Sónia Cruz, Johannes W. Goessling
Nanoplanktonic diatom frustules as microencapsulation devices for drug delivery applications in aquaculture
- 12:30 - 12:45 **Ille C. Gebeshuber**, Richard W. van Nieuwenhoven, Thomas Petz, Markus Grammer
3D printing of diatoms
- 12:45 - 13:00 Announcements & Voting for the best student oral presentation and poster presentation
- 13:00 - 14:30 Lunch break
- 14:30 - 19:00 Excursion St. Naum springs/Ohrid town in two groups
- 19:30 - 20:00 Closing session and Student awards
- 20:00 - 00:00 Social event in the hotel Bellevue

10.05.2024 - Friday

- 09:00 - 18:00 **Bart Van de Vijver**, Meise Botanic Garden, Belgium.
Workshop: European species of the araphid genera *Staurosira* and *Staurosirella*.
- 18:00 - 00:00 Young ISDR networking

POSTER PRESENTATIONS

07.05.2024 - Tuesday

- P01: **Renata Cias**
In loving memory of Professor Andrzej Witkowski (1955 - 2023) a life dedicated to understanding marine diatoms
- P02: **Nélida Abarca**, Wolf-Henning Kusber, Oliver Skibbe, Jonas Zimmermann & Regine Jahn
B Berlin – More than one diatom collection
- P03: **Wolf-Henning Kusber**, Nélida Abarca, Oliver Skibbe, Jonas Zimmermann & Regine Jahn
Phycobank registration database – Why registration matters
- P04: **Bart Van de Vijver**, Ingrid Jüttner & Wolf-Henning Kusber
Typification of *Colletonema viridulum* with the correct name for *Frustulia erifuga* and the description of a new *Frustulia* species (Amphipleuraceae, Bacillariophyta)
- P05: **Bart Van de Vijver**, Valérie Peeters, Katharina Wilfert & Myriam de Haan
Two new *Encyonema* species from Europe compared to the type material of *E. minutum* and *E. silesiacum* (Gomphonemataceae, Bacillariophyceae)
- P06: **Bart Van de Vijver**, Margaux Pottiez, Rémi Chavaux, Erwin Reichardt & Carlos E. Wetzel
The genus *Gomphonema* in subalpine French lakes, an unexpected and unknown high biodiversity
- P07: **Margaux Pottiez**, Ralitsa Zidarova, Sunčica Bosak, Myriam de Haan & Bart Van de Vijver
Unmasking invisible variability: Three new *Halamphora* taxa associated with loggerhead sea turtles
- P08: **Margaux Pottiez**, Ingrid Jüttner & Bart Van de Vijver
Observations of original William Smith material of *Cymatopleura apiculata* and its transfer to the genus *Surirella* (Surirellaceae, Bacillariophyta)
- P09: **Neda Raposka**, Zlatko Levkov & Elena Jovanovska
Diversity and distribution of *Sellaphora* and *Placoneis* species from Lake Tanganyika
- P10: **Mirela Šušnjara**, Igor Stanković, Nikola Hanžek & Marija Gligora Udovič
Discostella asterocostata (B.Q.Lin, S.Q.Xie & S.X.Cai) Houk & Klee arrived in Europe: Distribution, morphological and ecological features of European specimens
- P11: Haşim Sömek, Paul B. Hamilton, **Cüneyt Nadir Solak**, Aude Beauger, Elif Yılmaz & Tuğba Ongun Sevindik
A new diatom (Bacillariophyta) species - *Fallacia* sp. nov. - From Kaklik Cave

- in the western Anatolian karst region, Republic of Türkiye
- P12: **Cüneyt Nadir Solak**, Paul B. Hamilton, Mağorzata Bąk, Elif Yılmaz, Işıl Kesbiç & Saúl Blanco
Interesting *Achnantheidium* (Bacillariophyta) species including two new species from Sakarbaşı spring, Republic of Türkiye
- P13: Yelda Aktan, Ata Turan, Paul B. Hamilton, **Cüneyt Nadir Solak** & Halil Yıldız
Two new *Halamphora* (Amphipleuraceae: Bacillariophyta) species from Gökova Bay in Republic of Türkiye
- P14: Sophia Barinova, **Cüneyt Nadir Solak**, Paul B. Hamilton, Łukasz Peszek & Ferhan Yedidağ
Two new *Halamphora* (Amphipleuraceae: Bacillariophyta) species from Negev Desert in Israel
- P15: Ana Gomes, Paul B. Hamilton, **Cüneyt Nadir Solak**, Tomasz Boski, Delminda Moura, Nesil Ertorun & Ferhan Yedidağ
A new diatom species—*Tetramphora* sp. nov. (Mastogloiaaceae: Bacillariophyta)— In Arade Estuarine, Portugal
- P16: Karomat Mamanazarova, **Cüneyt Nadir Solak**, Paul B. Hamilton, Nesil Ertorun & Ferhan Yedidağ
Two new *Halamphora* (Amphipleuraceae: Bacillariophyta) species from Aydar-Arnasay system of lake in Uzbekistan
- P17: Oktiyas Muzaky Luthfi, **Mağorzata Bąk**, Andrzej Witkowski & Yenny Risjani
Preliminary results of diatom biodiversity on Indonesian island Java
- P18: Sulastri Arsad, **Mağorzata Bąk**, Romain Gastineau, Mateusz Rybak & Ewa Górecka
Preliminary results of diatom biodiversity on Indonesian island Sulawesi
- P19: **Ingrid Jüttner**, David M. Williams, Margaux Pottiez, Bart Van de Vijver
Morphology of *Eunotia flexuosa* (Brébisson ex Kützing) Kützing, *E. flexuosa* var. *bicapitata* Grunow (in Van Heurck 1881) and *Synedra biceps* W.Smith
- P20: **Antonija Kulaš**, Marija Gligora Udovič, Petar Žutnić, Dunja Jurina & Zlatko Levkov
New and rare diatoms species from a karstic region in Croatia
- P21: **Barbora Chattová**, Tereza Cahová, Eveline Pinseel, Kateřina Kopalová, Tyler J. Kohler, Filip Hrbáček, Bart Van de Vijver & Daniel Nývlt
Terrestrial diatoms from Ulu Peninsula (James Ross Island, Maritime Antarctic Region)
- P22: **María Cid-Rodríguez**, Abdullah A. Saber, Nicola Angeli, Olena Bilous, Horst Lange-Bertalot, Zlatko Levkov, Lucia Piana, Daniel Spitale & Marco Cantonati
The genus *Navicula* in spring ecosystems, with discussion of a putative new species
- P23: Maria Gabriela Junqueira, Luciane O. Crossetti & **Carlos E. Wetzel**
New diatom species (Bacillariophyta) species from Southern Brazilian subtropical coastal lagoons
- P24: Mora Demetrio, Rosalina Stancheva, Nélida Abarca, Agnès Bouchez, Enrique Cantoral-Uriza, Javier Carmona-Jiménez, Teofana Chonova, Wolf-Henning

- Kusber, Frédéric Rimet, Oliver Skibbe, **Carlos E. Wetzel**, Jonas Zimmermann & Regine Jahn
Adding more taxa to the *Cocconeis placentula* group (Bacillariophyta): Two new species from streams in biodiversity hotspots
- P25: **Keve T. Kiss**, Tibor Bíró, Péter Dobosy, István Grigorszky, János Korponai, Edit Vadkerti & Éva Ács
Metabarcoding investigations on Thalassiosirales species of phytoplankton from Danube river
- P26: **Byeol Kim**, Byoung Seok Kim, So Yeon Kim, Jeong Yung Jin & Jong Gyu Park
Morphological and phylogenetic diversity of the diatom genus *Entomoneis* isolated from the tidal flats of Korea
- P27: **Jan Kollár**, Kateřina Kopalová, Maria Kahlert, Jonas Zimmermann, Bart Van de Vijver & Tyler J. Kohler
A polyphasic taxonomy of the pseudocryptic species complex *Pinnularia acidicola*, with description of new species
- P28: **Mimoza Dani**, Sára Beszteri, Marzena Spyra, Andrea Burfeid-Castellanos, Katherina Schimani, Oliver Skibbe, Jonas Zimmermann & Bánk Beszteri
Molecular and ecophysiological variability among *Achnantheidium* strains
- P29: **Christina Jasinski**, Sara Beszteri & Bank Beszteri
Molecular phylogenetic study of the genus *Nitzschia* with special focus on the *Nitzschia palea* complex
- P30: **Jeong Yung Jin**, Jong-Gyu Park, So-Yeon Kim & Byoung-Seok Kim
14 unique *Halamphora* species, potentially new, discovered in the tidal flats of Korea
- P31: Begoña Sánchez-Astráin, **Raquel Viso**, Saúl Blanco, María Borrego-Ramos, Camino F. de la Hoz & José A. Juanes
A polyphasic method for the characterization of epiphytic diatoms growing on *Gelidium corneum*
- P32: **Elif Yilmaz**, Romain Gastineau, Cüneyt Nadir Solak, David Mann, Elya Putri Pane, Ewa Górecka, Rosa Trobajo, Yenny Risjani & Andrzej Witkowski
Benthic diatom community in Lake Batur (Bali, Indonesia) investigated by morphology and molecular approaches
- P33: Toms Ekmanis, Klara Filek, Maja Mucko, Marta Žižek, Lucija Kanjer, Antonija Matek, Matt P. Ashworth, Marija Gligora Udovič, Zrinka Ljubešić & **Sunčica Bosak**
The Croatian National Diatom Culture Collection: Strains from biota and turtlebiome projects
- P34: **Tina Bonačić**, Jasna Arapov, Blanka Milić Roje, Ivana Bušelić Garber, Ivana Lepen Pleić, Tina Tomašević & Živana Ninčević Gladan
Molecular and morphological characteristics of *Pseudo-nitzschia* species in the east Adriatic Sea
- P35: **Jasna Arapov**, Mia Bužančić, Tina Bonačić, Tina Tomašević, Sanda Skejić & Živana Ninčević Gladan

- P36: *Pseudo-nitzschia* genus diversity in the central and southern Adriatic Sea
 Patricia Sims, David M. Williams, **Edgley A. César** & Jakub Witkowski
 Towards a monograph of the genus *Odontella* C.Agardh: Preliminary results

08.05.2024 - Wednesday

- P37: **Leila Ben Khelifa**, Silvia Gardin, Daniel Felipe Bernal-Glen, Diana Ruiz-Pino, Jianfang Chen & Hana Chelly
 Arctic and Caribbean phytoplankton distribution
- P38: Olga Jakovljević, Željka Milovanović, **Ana Milićević**, Jelena Krizmanić, Gordana Subakov Simić & Slađana Popović
 Diatoms: Tiny but numerous inhabitants of caves
- P39: **Ljubica Vlaović**, Jelena Krizmanić & Danijela Vidaković
 Unveiling the diatom flora in the Stara Planina mountain waterfalls
- P40: **Ana Milićević**, Slađana Popović, Vukašin Bjelica, Božica Vasiljević, Jelena Krizmanić & Olga Jakovljević
 Diatom diversity of five thermal springs in Serbia
- P41: **Hristina Kochoska**, Tyler J. Kohler, Jan Kollár, Kateřina Kopalová, Leila Ezzat, Hannes Peter, Massimo Bourquin, Grégoire Michoud, Susheel Bhanu Busi & Tom J. Battin
 First insights into the diatom flora of the world's glacial-fed streams
- P42: Heba Mohamad, **Jonas Zimmermann**, Regine Jahn, Katherina Schimani, Wolf-Henning Kusber, Oliver Skibbe & Nélide Abarca
 The epiphytic diatom biodiversity in the southern parts of the Euphrates-Tigris rivers, Iraq
- P43: Anastasiia Snigirova & **Viktorija Berezovska**
 Diatom algae on the plastic surfaces near Zmiinyi Island (the Black Sea, Ukraine)
- P44: **Elisa Falasco**, Gianluca Vacca, Tiziano Bo & Francesca Bona
 Biodiversity and environmental factors structuring diatom communities in two rice paddy fields in NW-Italy
- P45: **Elisa Falasco**, Elena Arnaud, Valentina Della Bella, Carlos E. Wetzel, Raffaella Zorza, Bart Van de Vijver
 Results from the 3rd Italian intercalibration exercise on benthic diatoms
- P46: **Danijela Vidaković**, Ntambwe Albert Serge Mayombo, Andrea Burfeid Castellanos, Michael Kloster & Bank Beszteri
 Diatom DNA metabarcoding and digital microscopy methods for bioassessment of large lowland rivers in Serbia
- P47: **Tamara Kopanja**, Jelena Hinić-Jordanovska, Boris Aleksovski, Irina Šoreva, Valentina Slavevska-Stamenković & Svetislav Krstić

- Assessment of the ecosystem recovery on Kamenicka River (R. North Macedonia): combined approach using macroinvertebrate and algae community structures
- P48: **Adriana Olenici**, Saul Blanco, Francisco Jimenez-Gomez, María Borrego-Ramos & Calin Baciú
Diatom flora of acid mine drainage polluted waters
- P49: **Olena Bilous**, Marco Cantonati, Elisabeth Bondar-Kunze, Andrea Funk, Marie-Christine Moser, Thomas Hein
Floodplains as key sites for species-rich diatom communities
- P50: **Monica Tolotti**, Stefano Brighenti, Maria Cristina Bruno, Leonardo Cerasino, Giulio Voto & Alfredo Maule
Seasonal “windows of opportunity” in alpine headwaters: Implications for diatom assemblages
- P51: **Joanna Żelazna-Wieczorek**, Luiz Felipe Andrade, Tomasz Mamos & Sašo Trajanovski
Unexpected record of diatoms on gammarids from springs of Ohrid Lake
- P52: **Antonija Žižić Nakić**, Maja Miličić & Mirela Šušnjara
The influence of the substrate on the diatom species community in artificial and heavily modified water bodies
- P53: **Andrea M. Burfeid Castellanos** & Bánk Beszteri
GreenHAB monitoring potential Harmful Algal Blooms (HABs) in the West Coast of Greenland: Past, present and future
- P54: **Nenad Jasprica**, Iris Dupčić Radić & Nika Pasković
Diatom community during vertical mixing in the open Southern Adriatic Sea, Northeastern Mediterranean
- P55: **Maja Mucko**, Antonija Matek, Sunčica Bosak & Zrinka Ljubešić
Summer diatom community composition in the South Adriatic Sea (Lastovo Island)
- P56: **Nika Pasković** & Iris Dupčić Radić
Planktonic diatoms in the open Southern Adriatic Sea in 2022
- P57: **Caroline McKenzie**, Onyou Nam & Luke Mackinder
Phylogeny through a structural lens: Characterising pyrenoid proteins in the diatom *Thalassiosira pseudonana*
- P58: **Mailor Wellington Wedig Amaral**, Aimee Caye G. Chang, Catherine Ikudaisi, Megan Greenwood, Patrick J. Kocielek, Sarah E. Hamsher, Jingchun Li, Scott Miller & Heidi Abresch
Rhopalodioid diatoms as hosts for cyanobacterial endosymbionts – A phylogenomic and taxonomic approach
- P59: **Dušica Zaova**, Elena Jovanovska, Bánk Beszteri & Zlatko Levkov
Temporal evolutionary patterns in endemic diatom species from Lake Ohrid
- P60: **Ana Boshaleska**, Dušica Zaova, Danijela Mitic-Kopanja & Zlatko Levkov
Endemic diatom diversity in Lake Ohrid through the time: Comparative study between fossil and contemporary flora
- P61: **Irina Sosnina** & Vaida Šeiriene

- P62: Major patterns of diatom biodiversity in Lithuanian littoral sediments
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