

Book of Abstracts



4. Simpozij o biologiji slatkih voda s međunarodnim sudjelovanjem



4th Symposium on Freshwater Biology with the international participation

Zagreb, 21 April 2023

Book of Abstracts

Organizer:

Croatian Association of Freshwater Ecologists

Co-organizer:

Department of Biology, Faculty of Science, University of Zagreb

Department of Physics, Faculty of Science, University of Zagreb

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Publisher:

Croatian Association of Freshwater Ecologists

Rooseveltov trg 6, 10000 Zagreb Croatia

PIN (tax number): 45050825577

ISSN: 2459-8402

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Venue:

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Editors' remarks

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This publication should be cited as follows:

Mičetić Stanković, V., Ivković, M., Matoničkin Kepčija, R., Sertić Perić, M., Miliša, M., Vilenica, M. (editors). 2023. Book of Abstracts. 4th Symposium on Freshwater Biology. Croatian Association of Freshwater Ecologists, Zagreb, Croatia. 58 pp.

Publication can be freely downloaded from:

<https://www.husek.hr/4-simpozij-o-biologiji-slatkih-voda-sobs/>

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New record of exotic diatom *Capartogramma crucicula* (Grunow) Ross in Europe

During hydrobiological survey of the Danube River in Serbia, exotic diatom *Capartogramma crucicula* (Grunow) Ross was recorded for the first time. The species has pantropical distribution. Also, it has been reported in Europe, in the freshwaters of France, Spain, Portugal and Germany, usually as rare and exotic. Throughout our perennial research of the Danube River, epilithic diatom samples were collected, processed, and analyzed using standardized procedures. Nonindigenous diatom *C. crucicula* was identified in the sample collected in September 2018 at the locality Radujevac, situated downstream the dam Iron Gate II. Its morphological features are clearly seen using light microscopy, with noticeable "x" shaped stauros, thus it could be hardly overlooked or misidentified during previous investigations. Relative abundance of *C. crucicula* in the sample was low, about 1%. Presence of diatom species of tropical origin in European temperate region may be linked with climate change and warming of inland waters. Further algological research will reveal if *C. crucicula* will become a common member of diatom community of the Danube River in Serbia.