

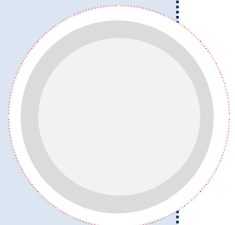
Book of Abstracts

INTERNATIONAL CONFERENCE ON NEW ACHIEVEMENTS IN

SCIENCE, TECHNOLOGY AND ARTS

ICNA-STA

4 – 5 May 2023, Prishtina, Kosova



The University of Prishtina (UP) and the International Business College Mitrovica (IBC-M) collaborated to organize the event, in partnership with a consortium under the Erasmus+ initiative called "ResearchCult - Enhancing Research Culture in Higher Education in Kosovo."

The book features abstracts from the interdisciplinary event, "**International Conference on New Achievements in Science, Technology and Arts**" (ICNA-STA), held in Prishtina, Kosovo, on May 4-5, 2023.

The conference, an interdisciplinary research event, sought to showcase ground-breaking scientific advancements across a broad spectrum of disciplines, including Natural and Environmental Sciences, Agricultural Production, Food Safety, Education, Economics, Finance, Management, Marketing, Philological Science, and Art. By bringing together diverse fields, the event aimed to foster collaboration, encourage interdisciplinary dialogue, and promote the exchange of ideas and knowledge among researchers, scholars, and practitioners. The conference emphasized the importance of understanding the intersectionality between various disciplines to address complex global challenges and to facilitate sustainable development. The event provided a platform for project partners to present their achievements, explore opportunities for collaboration, and discuss the scientific potential of their joint efforts. Co-organized by numerous local and international higher education institutions, the conference ensured a comprehensive and diverse representation of academia, research, and industry experts. These institutions contributed to the conference's organization and scientific structure, providing valuable input and resources to develop a robust, thought-provoking program. The conference featured keynote speakers, panel discussions, research presentations, and poster sessions that covered a wide range of topics relevant to the involving disciplines. This allowed attendees to engage in a dynamic exchange of ideas, share their latest research findings, and build networks for future collaborations.



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Bujar Gallopeni, PhD

Avni Hajdari, PhD

Sefer Avdiaj, PhD

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1. Natural & Environmental Sciences



Parasite fauna of Prespa barbel (*Barbus prespensis* Karaman, 1924) from Prespa Lake (Macedonia)

Dijana Blazhekovikj-Dimovska^{1*}, Stojmir Stojanovski², Kemajl Kurteshi³, Muharrem Ismaili⁴

¹University „St. Kliment Ohridski“, Faculty of Biotechnical Sciences, Bitola, Macedonia

²Hydrobiological Institute, Ohrid, Macedonia

³University of Prishtina, Faculty of Natural Sciences, Department of Biology, Prishtina, Kosovo

⁴CSL Vifor, Department of Microbiology and Monitoring (Quality control), St. Gallen, Switzerland

Corresponding author e-mail (dijanablazekovic@yahoo.com)

Abstract

Eight out of the eleven indigenous fish species of Prespa Lake are endemic. One of these endemic fish species is the Prespa barbel (*Barbus prespensis*).

Fish material from 42 specimens of Prespa barbel sampled from the Macedonian part of the Prespa Lake, were subjected to routine identification, dissection, and observation, as well as, examined for parasitological investigations. Cleaned parasites were separated, put in appropriate fixatives, and prepared for determination using techniques of staining and clearing. The parasite specimens were identified using the reference keys of parasite determination. Common statistical analyses by calculation of mean prevalence and abundance of parasite species were used.

The parasitological examination showed that 36 out of 42 examined specimens (85,71%) are infected with parasites. Nine parasite species were identified: 2 monogeneans (*Dactylogyrus dyki* and *Paradiplozoon zeller*), one trematode (*Parasymphylodora markewitschi*), two nematodes (*Raphidascaris acus* and larvae of *Contracaecum microcephalum*), two acanthocephalan (*Metechinorhynchus truttae* and *Pomphorhynchus bosniacus*) and two crustaceans (*Ergasilus sieboldi* and *Argulus foliaceus*).

The most prevalent parasite species was *Paradiplozoon zeller* (84,70%), while the highest intensity of infestation was recorded with *Dactylogyrus dyki* and *Ergasilus sieboldi* (8,50).

Key words: Parasite fauna, Prespa barbel, Prespa Lake