



Program of the 3rd Dinaric Symposium on Subterranean Biology

9th April 2022

Museum of Herzegovina, Trebinje

8.00 Registration

9.45 Welcome word

Teo Delić, Chair of the Organizing Committee

Ivana Grujić, Director of Museum of Herzegovina

10.00 Supporting future research and conservation of subterranean fauna in Southeastern Bosnia and Herzegovina – the case of SubBIOCODE project

Zagmajster, Borko, Bračko, Delić, Fišer, Kos, Pekolj, Premate, Rexhepi, Trontelj, Zakšek, Mulaomerović

10.30 – 11.00 Coffee break

Session 1: From field observations to database managing

Chair: Maja Zagmajster

11.00 The contribution of biology students' research camps to the knowledge on subterranean fauna in the Western Balkans

Premate, Delić, Fišer, Polak, Rexhepi, Škufca, Zagmajster

11.20 20 years of underwater cave research in Herzegovina

Balázs, Lewarne

11.40 Cave spiders of Bosnia and Herzegovina

Kommenov

12.00 Observational data on subterranean freshwater taxa coming from a touristic cave

Vuica, Jalžić

12.20 A review of the cavernicolous millipedes (Myriapoda, Diplopoda) from the Caucasus

Antić, Turbanov

12.40 SubBIOCODE Database – web interface to facilitate access to data on subterranean biodiversity in Southeastern Bosnia and Herzegovina

Kos, Di Batista, Delić, Zagmajster

13.00 -14.30 Lunch

Session 2: New approaches to studies of long known taxa

Chair: Marko Lukić

14.30 Setting up the laboratory invertebrate facility - good and bad practices

Kuharić, Lukić, Bedek, Grgić, Jovović, Rožman, Bilandžija

14.50 Explosive evolution of pseudoscorpions in Croatia

Hlebec, Harms

- 15.10 Recent progress in barcoding water mites (Acari, Hydrachnidia) of the Western Balkans
Jovanović, Pešić
- 15.30 Research of *Delminichthys ghetaldii*, semi-cave fish of Dinaric karst
Vucić, Jelić
- 15.50 Possible ways of stygobiotic gastropod dispersal
Grego
- 16.10 Hidden diversity of the cave centipede *Lithobius stygius* Latzel, 1880 (Chilopoda: Lithobiomorpha: Lithobiidae) in the Northwestern Dinarides
Kos A., Delić, Kos I., Zagmajster
16.30 - 17.00 Coffee break & Poster session 1

Session 3: Testing species hypotheses and distributional patterns

Chair: Dragan Antić

- 17.00 *Typhlogammarus mrazeki*, a holodinaric species broken apart
Rexhepi, Fišer, Jalžić, Delić
- 17.20 Spatial genetic structure of five sympatric cave spider species
Pavlek, Gauthier, Tonzo, Bilat, Arnedo, Alvarez
- 17.40 Resolving the phylogeny of Anthroherponina with notes on new species of specialized hygropetricolous genera
Delić, Lohaj, Brestovanský, Čáha, Jalžić
- 18.00 Zoogeographical borders of the Dinaric karst based on Leptodirini beetle's distribution
Polak
- 18.20 Subterranean evolution of the tribe Bythinini (Pselaphinae) in the Balkan Peninsula
Mizerakis, Hlaváč, Delić, Jalžić, Faille
19.00 Guided tour through the center of Trebinje
20.00 Evening reception

10th April 2022

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Session 4: Back to the basics – on coping with subterranean conditions

Chair: Martina Pavlek

- 9.00 Olm lineages native to Bosnia and Herzegovina in the framework of parallel evolution of troglomorphy across the Dinaric Karst
Recknagel, Zakšek, Trontelj
- 9.20 The role of phenotypic plasticity in cave colonization of the genus *Proasellus*
Bedek, Lelas, Bilandžija
- 9.40 Acanthocephalan-induced phenotypic alterations of *Asellus aquaticus*
Benko, Fišer, Kostanjšek
- 10.00 *Telestes karsticus* – a cave adapted fish in the Dinaric Karst
Bilandžija, Čupić, Lukić, Gračan, Marčić
10.20-11.00 Coffee break & Poster session 2
- 11.00 Ommochrome pigments in surface isopods (Isopoda, Crustacea) and their loss in cave-adapted albino relatives
Jovović, Figon, Bilandžija
- 11.20 A conceptual solution to the problem of subterranean vicariance and dispersal
Trontelj
11.50 Concluding remarks, coffee break and field excursion