



Pannon Hőerőmű
A VEOLIA csoport tagja



SECOND CIRCULAR

DECAPOD CRUSTACEANS MULTIDISCIPLINARY WORKSHOP

11 – 12 December 2024

University of Pécs,
Institute of Biology, Faculty of Sciences



Dear Colleagues and Friends,

Although the planned date is very close and not in the most suitable part of the year, we, the organizers, happily announce that there is a wide interest and enthusiasm regarding this pioneering initiative. We are so happy being able to embrace far fields of science with supportive participants and lecturers, so we are convinced to attract more among you. Please find below the not yet final but impressive program hoping you can also join. You are cordially invited to participate the first multidisciplinary workshop centred around Decapod Crustaceans organized by the University of Pécs and the Eszterházy Károly Catholic University (Eger). For those who already indicated the presence and lectures, warmly welcome!

The workshop is still open to all enthusiasts and fans of Decapod Crustacean related scientific issues. Our aim is to provide a scientifically stimulating and thought-provoking inter- and multidisciplinary forum that is socially friendly and familiar, allowing attendees to meet each other and explore the far-reaching fields of Decapod Crustacean originated/related sciences. We provide a forum for palaeontologists, biologists, geologists, ecologists, engineers, mathematicians, and geneticists to become acquainted with each other and the recent trends, hot spots, and developments in the research of Decapod Crustaceans inspired and initiated cutting edge science.

Organizing committee

László Bujtor, (EKKE) *Tibor A. Rauch* (PTE), *Gyula Hoffmann* (PTE)

Honorary Chair

Prof. Dr. *Gyula Sallai*, professor emeritus, former vice Rector of Budapest University of Technology and Economics

Chair

Prof. Dr. *Róbert Gábrriel*, Head of Institute of Biology, former Rector of the University of Pécs



PROGRAM

Day 1 (11 December)

Welcome and inspiration: Prof. emeritus **Gyula Sallai** (*Budapest University of Technology and Economics*)

Opening speech: Prof. **Róbert Gábor** (*Biological Institute, University of Pécs*):

Keynote speech: **Magali Zbinden** Assoc. Prof. (*Sorbonne University, Paris, France*)

10h00m – 10h45m: registration (Lobby of the Faculty of Sciences, 6 Ifjúság útja, Pécs)

11h05m – 11h10m: Welcome speech

11h10m – 11h20m: Opening speech

11h20m – 12h20m: keynote speech: **Ecology of mid-oceanic hydrothermal vents**

12h20m – 12h40m: Coffee break (and move from large auditorium to workshop venue)

Morning session. Host: L. Bujtor.

Topic: BIOLOGY

12h40m – 13h00m: Trilobite sensing and origin of remote control (**M. Šilinger**)

13h00m – 13h20m: **Genetics** Evo-devo gene toolkit for the formation of arthropods and mammals (**T. Rauch**)

13h20m – 13h40m: Life in extremes: tissues in space conditions (**R. Zákány**).

13h40m – 14h00m: Bacteria-driven ecosystems in the geological past: origin, evolution, interaction with decapod crustaceans (**M. Polgári**)

14h00m – 14h45m: LUNCH

Afternoon session. Host: T. Rauch.

Topic: BIOMECHANICS / BIOINDUSTRY

14h45m – 15h05m: **Taxonomy and polyphyletic origin** of DC (**Gy. Hoffmann**)

15h05m – 15h25m: **Biomechanics** of DC – the Bouligand structure in Nature (**L. Bujtor**)

15h25m – 15h45m: Twisted plywood structures in **automotive industry** (**P. Henits**, Audi Hungária)

15h45m – 16h05m: **Mathematics** behind the twisted plywood reinforced structures (TBD)

16h05m – 16h25m: **Space industry** and the twisted plywood structures (TBD)

16h25m – 16h45m: **Defense industry** and the twisted plywood structures (TBD)

18h30m – 19h30m: DINNER

20h00m – 22h00m: social event, Hotel Makár/Fordan Center (TBD)

Day 2 (12 December)

Morning session. Host: T. Rauch.

Topic: GEOBIOLOGY

9h00m – 9h20m: Microbiology of digestive tracts of vent-related shrimps (**M. Zbinden**)

9h20m – 9h40m: Biotechnological applications of heat-resistant enzymes (**T. Rauch**)

9h40m – 10h00m: DC **microcoprolites** in the fossil record (**L. Bujtor**)

10h00m – 10h15m: free discussion on conference topics



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10h15m – 10h25m: closing speech (*R. Gábrriel*)

10h25m – 10h30m: Final thoughts (*Gy. Sallai*)

10h30m – 10h45m: *140Ma old sediment hosted vent remains; introduction of unique SHV samples from the Mecsek Mountains*

10h45m – 12h00m: guided sightseeing walks in downtown Pécs (optional)

12h00m – 13h00m: LUNCH downtown Pécs (optional)

13h00m: end of workshop

Oral presentations / Posters

All speakers will be allocated 20 minutes for the oral presentations (preferably 15 minutes talk and 5 minutes discussion). In the lecture room we provide a notebook and projector with HDMI and USB-B data output.

Language

The official language of the workshop is English. Abstracts should be submitted in English only. Conference materials (including posters) will be published in an electronic format (PDF, ePUB, and MOBI) with ISBN numbers by Digi-Book Publishing Ltd. and distributed among the participants.

Important dates and deadlines

Registration deadline (<i>extended</i>):	29 th November 2024
Abstract deadline (<i>extended</i>):	29 th November 2024
Deadline for the payment of the conference fee (<i>extended</i>):	29 th November 2024
Workshop fees for professionals	100 EUR (40,000 HUF)
Workshop attendance fees for BSc, MSc, and PhD students	free

The conference fee covers conference papers, badges, Ice-Breaking Party, lunch, coffee breaks, social event.

Payment data for bank transfer: Agria Geográfia Közhasznú Alapítvány, 3300 Eger, Leányka utca 6. Bank Account number K&H Bank Zrt. (IBAN): **HU87 1040 3507 5052 6568 7475 1007**. Swift Code: **OKHBHUHBXXX**. Foundation home page: <https://www.agriageografia.hu>. Please indicate in reference box: "DCMW participation fee".

Accommodation

Pécs provides a diverse selection of accommodations in both downtown and university areas to meet various preferences. We are pleased to offer the option of reserving a room for you at the Student Hostel Valéria Koch, or Hotel Makár, both located 10 minutes' walk from the university. Rooms at the hotel are pre-booked at your convenience. Shuttle service from Budapest Airport to Pécs is also provided. Further details regarding accommodation and shuttle service will be provided individually to late birds.

Special diet

At the reception desk in the lobby there is a possibility to indicate your special diet.

Abstract Book

Due to the extended deadline for abstract submission, abstract book will be provided after the workshop till 31st December via e-mail in PDF format for all registered participants.