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Universitas Studiorum
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INVITE YOU TO THE 4th SCIENTIFIC-EXPERT CONFERENCE

City of Krk, Krk Island, Croatia,
October 6 to 8, 2023

Adaptations to climate change and preservation of marine ecosystems of the Adriatic Sea

with international participation

The conference will mark the 30th anniversary of Rogoznica Lake

Zmajev Oke (Dragon's Eye) research

GENERAL INFORMATION

ORGANIZERS:

Marine Education Centre Pula • Aquarium Pula
Department of Ecology, Agronomy and Aquaculture, University of Zadar • Ruđer Bošković Institute

CO-ORGANIZERS:

Scientific Council for Adriatic Research, Croatian Academy of Science and Arts
Faculty of Civil Engineering, University of Rijeka • Faculty of Civil Engineering, University of Zagreb
Faculty of Architecture, University of Zagreb • Natural History Museum Rijeka • Public Institution Natura Jadra
Public Institution Priroda • Ponikve Eko Island Krk • MareMundi Institut

SUPPORT TO THE CONFERENCE:

City of Krk

THE CONFERENCE WILL BE HELD IN:

City Hall, City of Krk

SCIENTIFIC COMMITTEE

Assoc. Prof. Tatjana Bakran-Petricoli, Department of Biology, Faculty of Science, University of Zagreb, president
Dr. sc. Nikola Biliškov, Ruđer Bošković Institute, Zagreb; McGill University, Montréal, Canada
Assoc. Prof. Dalibor Carević, Faculty of Civil Engineering, University of Zagreb
Dr. sc. Irena Ciglenečki Jušić, Division for Marine and Environmental Research, Ruđer Bošković Institute, Zagreb
Prof. Dario Đerđa, Department of Administrative Law, Faculty of Law, University of Rijeka
Dr. sc. Neven Iveša, Faculty of Natural Sciences, Juraj Dobrića University Pula
Assoc. Prof. Andrej Jaklin, Center for Marine Research Rovinj, Ruđer Bošković Institute
Prof. Mirjana Kovačić, Faculty of Maritime Studies of the University of Rijeka
Prof. Davor Lučić, Institute for Marine and Coastal Research, University of Dubrovnik
Dr. sc. Milena Mičić, Aquarium Pula
Prof. Ljubomir Mišćević, Faculty of Architecture, University of Zagreb
Assist. Prof. Melita Mokos, Department of Ecology, Agronomy and Aquaculture, University of Zadar
Assist. Prof. Kristina Pikelj, Department of Geology, Faculty of Science, University of Zagreb
Assoc. Prof. Igor Ružić, Faculty of Civil Engineering, University of Rijeka
Dr. sc. Vjekoslav Tičina, Institute of Oceanography and Fisheries, Split
Dr. sc. Ivica Vilbić, Division for Marine and Environmental Research, Ruđer Bošković Institute, Zagreb
Dr. sc. Barbara Zorica, Institute of Oceanography and Fisheries, Split

ORGANIZING COMMITTEE

Milvana Arko-Pijevac, Natural History Museum Rijeka, president
Assoc. Prof. Tomislav Šarić, Department of Ecology, Agronomy and Aquaculture, University of Zadar
Žana Moslavac, Aquarium Pula
Marta Matić, Ponikve Eko Island Krk

CONFERENCE SECRETARIAT:

Natural History Museum Rijeka, Lorenzov prolaz 1, Rijeka
e-mail: milvana@prirodoslovni.com
Contact persons:
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CONFERENCE AIM AND PROGRAMME:

The Adriatic Sea is very small in relation to the surface of all seas, it makes only 4.6% of the total surface of the Mediterranean Sea. The Adriatic is a semi-enclosed and shallow sea, extremely sensitive to the increasingly intense impacts of human activities: tourism, fisheries, maritime transport, mariculture, hydrocarbon exploitation and also to the strong impacts of climate change. With the increase of sea temperature in the Adriatic, various non-domicile thermophilic species of fish, algae, bacteria and gelatinous organisms are more frequently appearing. We are witnessing that sea temperature reaches 30°C in July 2022, which has not been recorded until nowadays. Phytoplankton blooms appear earlier and more frequent, and various pathogens cause mass mortalities of organisms. There is also a change in the abundance and the distribution of species within the Adriatic Sea. The changes are visible in sea currents as well as in inflows of freshwater and nutrients from rivers, resulting in salinity changes. The sea level is also rising, and the circulation of water in the Adriatic is changing. Due to human activities, larger amounts of nutrients and various harmful substances with tendency of bioaccumulation and biomagnification reach the sea and become part of the food web.

The Adriatic Sea is a natural resource necessary for life, both, for organisms as for humans. The changes that are taking place have an impact on the economy and the quality of human life. So, the implementation of active protection of the Adriatic Sea is vital and only solution to support sustainable development. However, in order to effectively implement the protection of the Adriatic, it is necessary to understand the connection between the functioning of all sea-land processes and to present scientific knowledge to decision makers at all levels. It is also important to present basic knowledge about the impact of climate change on the sea, processes and living organisms, and potential consequences of our insufficient knowledge of this issue for humans to the wider social community, including the youngest members.

To achieve the awareness of the broader social community about the impact of climate change in combination with other negative human activities, and in the context of the UN Decade of Ocean Science for Sustainable Development 2021-2030 (Ocean Decade), we plan to organize a scientific-expert conference in cooperation with relevant scientific and educational institutions in Croatia on the topic: *Adaptations to Climate Change and Preservation of Marine Ecosystems in Adriatic Sea*. At the Conference we will discuss the negative impacts - from human activities to climate change - on ecosystems of the Adriatic Sea and possible adaptations to the rapid changes going on in the seas and the necessity of implementation the active protection of marine ecosystems.

Clearly defined conclusions of the Conference on the importance of these topics will be presented to the general public through the media and brochures, with the aim of raising awareness of the need to implement blue and sustainable development.

The Conference's main topics are climate change, adaptation strategies and measures to preserve the habitats and species of the Adriatic Sea. A special section will be dedicated to the presentation of 30 years of research on Rogoznica Lake Zmajev Oke (Dragon's Eye).

The programme of the Conference will include plenary sessions, oral and poster presentations in the field of natural, biotechnical, technical and social sciences according to the following topics:

- Adaptations to rapid changes that are happening in the seas
- Climate change and its impact in the Adriatic Sea
- Marine pollution, including noise and bio pollution with invasive non-indigenous species
- Exploitation and overexploitation of natural marine resources
- Mechanical destruction of marine benthic habitats and benthic communities
- Climate change impact in education programmes at the primary and secondary level
- Marine ecosystems and climate change in the legislation of the Republic of Croatia
- Adaptation strategies and measures for preservation of habitats and species of the Adriatic Sea
- Examples of good approaches to climate change, possible adaptations to climate change and measures in practice, blue economy
- Rogoznica Lake Zmajev Oke (Dragon's Eye) in time of the climate change
- Ocean literacy, citizen science, and synergy between science and arts

CROATIAN AND ENGLISH ARE OFFICIAL LANGUAGES OF THE CONFERENCE

BOOK OF ABSTRACTS

Abstracts of presentations will be published in the Book of Abstracts of the 4th Scientific-Expert Conference Adaptations to Climate Change and Preservation of Marine Ecosystems of the Adriatic Sea.

Participants with presentations should send their abstracts by July 15, 2023 to the e-mail address milvana@prirodoslovni.com with a note on presenting preference (oral or poster) The final decision on the acceptance of an abstract and the way it will be presented (oral or poster) is made by the Scientific Committee of the Conference.

PUBLICATION OF THE PAPERS IN THE JOURNAL ACTA ADRIATICA

The plan is that part of the regular number of the journal Acta Adriatica (Volume 65 number 1, June 2024) will be dedicated to the 4th Scientific-Expert Conference Adaptations to Climate Change and Preservation of Marine Ecosystems of the Adriatic Sea as well as to the presentation of 30 years of research on Rogoznica Lake Zmajev Oke (Dragon's Eye). Acta Adriatica is an international scientific journal published continuously since 1932. The journal publishes scientific papers in English on all aspects of marine sciences, preferably from the Mediterranean region.

<https://acta.izor.hr/ojs/index.php/acta/index>
<https://acta.izor.hr/ojs/index.php/acta/about>

Participants who plan to submit a manuscript to be considered for publishing in Acta Adriatica are asked to send an e-mail with their expression of interest for publishing a paper in the journal and its working title to the editor in chief (dr. sc. Melita Peharda, melita@izor.hr), by September 1, 2023 at the latest, and start the preparation of the manuscript according to the journal's guidelines so the prescribed review procedure could be completed on time: <https://acta.izor.hr/ojs/index.php/acta/about/submissions#authorGuidelines>. Registered manuscripts following the journal's guidelines will be sent to reviewers upon arrival, and upon acceptance they will be published online – as part of volume 65, number 1. The deadline for submitting the manuscript is January 1, 2024.

KEY DATES

February 8, 2023 – invitation, the First announcement
May 15, 2023 – the Second announcement - reminder for registration with details about accommodation possibilities
July 15, 2023 – deadline for submitting the abstract and final registration
August 15, 2023 – notification about abstract acceptance and need for revision
September 1, 2023 – expression of interest for publishing a paper in the journal Acta Adriatica
September 10, 2023 – the Final announcement with the Conference Programme
October 6 till 8, 2023 – the Conference, City of Krk, Krk Island, Croatia
January 1, 2024 - deadline for submitting the manuscript for the journal Acta Adriatica

THERE IS NO REGISTRATION FEE

SOCIAL PROGRAMME

- Welcome Reception, Hotel Bor, Krk
- Conference Dinner
- Conference Excursion

PARTICIPANTS ACCOMMODATION

Hotel Bor, Krk
Šetalište Dražica 5, Krk
www.hotelbor.hr
phone ++385 51 220 200

Accommodation reservations should be sent on e-mail: bor@hotelbor.hr with the note "participant of the Conference". The price of accommodation on a bed and breakfast basis is 90 EUR for a double room and 60 EUR for a single room.

INSTRUCTIONS FOR ABSTRACTS PREPARATION

Abstracts in Croatian and English must be prepared in Microsoft Word for Windows, Times New Roman font, size 12 points. Use single space with justified alignment. The permitted size of the abstract is 1500 characters, including spaces between words. The aim of the work, the main results of the research and a short conclusion should be described in the abstract. Include up to five keywords with the abstract, separated by a comma. Edit the text as follows:

- Margins 3.0 cm left, 2.5 cm above, below and right.
- Write the title of the paper in small bold letters, size 14 points, left alignment. The title of the paper should be precise, a max. of 100 characters, not including spaces between words.
- Authors (full names and surnames of all authors, with titles) should be written in small letters, size 12 points.
- Author address should be written in small letters, italics, size 11 points. Only for the contact person, enter the e-mail (in brackets) after the full address.
- Keywords should be positioned below the abstract.
- It is not allowed to display tables, graphs, drawings and the like in the abstract.
- The summary in English should be in the same document as the one in Croatian: Croatian first, then English, formatted the same as Croatian, don't forget the key words in English.
- The authors are responsible for the correct standard language in writing of both abstracts.

ORAL PRESENTATIONS

The plenary lecture is scheduled to last 45 minutes, and the other oral presentations will last 15 minutes, including a possible short discussion after each presentation. A final joint discussion is planned after all the presentations have been completed. The time allocated for the presentation have to be strictly respected and in case of exceeding it the presentation will be interrupted and stopped by the moderator. Oral presentations should be prepared as a PowerPoint presentation. **Presentations can be submitted using one of the services for sending electronic mail until October 5, 2023 to the address milvana@prirodoslovni.com or on USB memory sticks to the technical service no later than 30 minutes before the official start of the Conference.**

POSTER PRESENTATIONS

The provided area for displaying the poster is 140 cm high x 90 cm wide; adhesion tape will be provided, and the posters will be displayed for the entire duration of the Conference. **Posters must be put up on Friday morning and taken down on Saturday before lunch.** Posters should contain the title, names of authors and institutions, address and contact. Poster presentations should also be prepared as a PowerPoint presentation with a maximum of 3 slides (2 minutes of presentation). They will be presented during the joint discussion of oral and poster presentations at the end of the program topics. **PowerPoint presentations of posters can be submitted using one of the services for sending electronic mail until October 5, 2023 to the address milvana@prirodoslovni.com or on USB memory sticks to the**