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Abstract Book

International Conference

“Environmental Challenges in the Black Sea Basin: Impact on Human Health”

September 23rd-26th, 2020

Galati, Romania

BSB27-MONITOX

Black Sea Basin interdisciplinary cooperation network for sustainable joint monitoring of environmental toxicants migration, improved evaluation of ecological state and human health impact of harmful substances, and public exposure prevention

Editors

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Editors Preface

The International Conference "Environmental Challenges in the Black Sea Basin: Impact on Human Health" is organized by Dunarea de Jos University of Galati (UDJG), Romania, in the frame of the project with code BSB27, "Black Sea Basin interdisciplinary cooperation network for sustainable joint monitoring of environmental toxicants migration, improved evaluation of ecological state and human health impact of harmful substances, and public exposure prevention" (acronym "MONITOX"), funded under the EU CBC Joint Operational Programme "Black Sea Basin 2014-2020" framework, in collaboration with the partner institutions - "Danube Delta" National Institute for Research and Development, Tulcea, Romania, Institute of Zoology, Republic of Moldova (IZ), Institute of Geology and Seismology, Republic of Moldova (IGS) and the International Hellenic University (IHU), Greece.

The Conference is focused on the current developments on environmental monitoring and management of deltaic and wetland areas with an emphasis on the results obtained so far in the frame of research activities of the Project BSB27. It provides an opportunity for members of the target groups, scientists, decision-makers and stakeholders to meet each other and to establish new relations and partnerships. This fact will promote the cooperation in environmental research and management among countries from the connected regions - Black Sea Basin and the Mediterranean Basin.

Participation as authors or members of the scientific committee was very encouraging, from researchers and specialists members of the project BSB27, to scientists and young researchers representing other institutions from Romania, Republic of Moldova, Greece, Ukraine, Russian Federation, Germany, Poland, Norway, Azerbaijan, Armenia, Turkey, as well as volunteers - undergraduate students, magisters, doctoral students, alumni. 63 abstracts were selected for plenary, oral and poster presentations, covering a wide range of topics grouped in four interrelated sections.

The sections of the conference are:

1. *Toxic and carcinogenic substances in Black and Aegean Seas Basins - levels, distribution, modeling, monitoring techniques*
2. *Evaluating exposure to toxicants and their impact on ecological state of aquatic ecosystems and human health*
3. *Environmental technologies, remediation and management of riverine, deltaic and coastal ecosystems*
4. *Health and environmental education, innovative solutions to improve scientific information dissemination.*

The editors would like to thank: the authors of the papers, the international scientific committee for their assistance in reviewing, EU CBC Joint Operational Programme "Black Sea Basin 2014-2020" for their funding.

We hope that the International Conference of MONITOX network will provide a suitable background for the exchange of information and ideas in virtually all areas of environmental research specific to deltas and wetlands ecosystems, leading us towards a better scientific and academic interdisciplinary networking in the Black Sea Basin.

Editors:

Prof. dr. habil. **Antoaneta Ene** - Project Manager, Leader Partner 1, UDJG, Romania
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