

The 7th International Conference ECOLOGICAL & ENVIRONMENTAL CHEMISTRY 2022

March 3-4, 2022, Chisinau, Republic of Moldova

The 7th International Conference **ECOLOGICAL & ENVIRONMENTAL CHEMISTRY 2022** (EEC-2022) will be held on 3-4 March, 2022 in Chisinau, Republic of Moldova.

Topics:

A. Fundamental Aspects of Ecological and Environmental Chemistry

- Oxidizing and reducing agents (antioxidants) in environment, technology and living organisms
- Electron transfer reactions in redox processes
- Thermodynamics and kinetics of redox processes in ecological systems
- Photochemical processes in the environment
- Modeling of the redox processes in the environment
- Chemical risk assessment and analysis

B. Water Science and Society

- Ecological chemistry of natural waters, pollution and self-purification
- Industrial and municipal waste water treatment and reuse
- Modern approach and advanced methods to pollution control, monitoring and prevention: physico-chemical, biochemical and remote sensing methods, water quality indicators, *etc.*
- Transboundary waters and disasters management
- Water, sanitation and health

C. Climate Change and Atmospheric Chemistry

- Redox processes in troposphere and stratosphere (air emissions, acid rains, precipitations, smog, *etc.*)
- Air quality monitoring, pollution prevention, control and modeling
- Air pollution impact on climate change
- Air quality and health

D. Food, Soil and Waste Chemistry

- Food safety and security
- Chemical aspects of crop nutrition, soil fertility and degradation prevention
- Physico-chemical transformations of soil pollutants
- Wastes management, treatment and reuse in agriculture, food and wine production
- Hazardous wastes (POPs, hospital, pharmaceutical, *etc.*) detoxication

E. Ecological & Environmental Chemistry within the Knowledge Triangle: Research-Education-Innovation

- Methodological aspects in assurance of high-quality knowledge, skills, innovation, technologies and solutions towards the ecologically balanced future
- Innovative policies, strategies and solutions addressing the global challenges for environment and sustainable development
- Environmental transnational rights, legislation and control
- Sustainable use and circular management of natural resources
- Household chemicals in everyday life: safety and efficiency

Registration of the EEC-2022 Conference participants, submission of abstracts for publication and other conference-related issues will be performed on-line *via* the website: <http://eec-2022.mrda.md/>. Deadline for the **Abstracts submission** is October 15th, 2021.

Abstracts Book

All accepted abstracts will be published in Abstracts Book of the Conference EEC-2022, which will be available at the time of registration.

Conference Secretariat of the 7th International Conference ECOLOGICAL & ENVIRONMENTAL CHEMISTRY 2022

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