



“Gheorghe Asachi” Technical University of Iasi, Romania



EDITORIAL

A SPECIAL ISSUE DEDICATED TO

ENVIRONMENTAL LEGISLATION, SAFETY ENGINEERING AND DISASTER MANAGEMENT

**ELSESEDIMA International Conference, the 9th Edition, Cluj-Napoca
25th – 27th of October 2012**

The *ELSESEDIMA* International Conference on “Environmental Legislation, Safety Engineering and Disaster Management” held its 9th edition in 2012. This edition was organized by the “Babeş-Bolyai” University of Cluj-Napoca - Faculty of Environmental Science and Engineering, together with the Ministry of Administration and Interior - General Inspectorate for Emergency Situations, the Disaster Preparedness and Prevention Initiative for South – Eastern Europe and S.C. ICPE Bistrița S.A. The event gathered over 200 participants from 13 countries, with various target groups such as academics, industry, competent authorities, civil society and local community.

Considering the current increasing natural and technological risks, strengthened international environmental governance and reformed institutional framework for sustainable development are necessary in order to provide, the safety of the citizens, environment, cultural values and economic goods. These challenges have been acknowledged by European and international bodies operating in the field of environmental safety, and are worldwide approached by target initiatives and programmes such as the *United Nations International Strategy for Disaster Reduction* within the *Hyogo Framework for Action 2005-2015*.

More important, the event facilitated networking activities between experts and organizations working at local, national and international level in the mitigation the impact of climate change and disasters

upon the local communities, a key aspect in the future *Post-2015 Framework for Disaster Risk Reduction*.

The interdisciplinary character of the 181 presentations is reflected by the topics of the conference which include *Environmental safety, Technologies and equipment for environmental assessment and protection, Water quality and management of water resources, Approaches to environmental pollution, Emergency situations and disaster management, Environmental impact assessment and sustainable development, Risks associated to contaminated sites and remediation techniques, Environmental Health, Atmospheric modelling and monitoring, Challenges of environmental protection, The environment and life quality*.

During the 3 days of the conference, there were 80 oral presentations and more than 100 poster presentations, of which, after subjecting them to a rigorous peer-review process, the Scientific Committee of the conference has chosen 28 papers to be published in this special issue of the *Environmental Engineering and Management Journal*.

This year, the Faculty of Environmental Science and Engineering celebrated its 10th anniversary. During its 10 years of activity, the Faculty of Environmental Science and Engineering developed educational programs for bachelor, master and doctoral

level, constantly updating its educational offer in order to better integrate its alumni into the labor market.

Finally, we would like to thank the organizing committee for its dedication, the authors for their

contributions, the scientific committee and the reviewers for their patience and the Journal editors - Prof. Maria Gavrilescu and Prof. Matei Macoveanu - for their careful and professional review and editing of the papers.

Guest editor:

Professor Alexandru Ozunu

***Dean of the Faculty of Environmental Science and Engineering
Babes-Bolyai University of Cluj-Napoca, Romania***



UNIVERSITATEA BABEȘ-BOLYAI



**10th ANNIVERSARY OF THE
FACULTY OF ENVIRONMENTAL SCIENCE AND ENGINEERING**



Alexandru OZUNU is Professor and Dean of the Faculty of Environmental Science and Engineering within “Babes-Bolyai” University, Cluj-Napoca. He developed the field of risk assessment and disaster management and published the first specific book in Romanian “Elements of hazard and risk in polluting industries” (2000). He founded the Research Centre for Disaster Management and the Romanian National Society of Environmental Science and Engineering.

His didactic activities focus on environmental engineering and risk assessment. He set up the Environmental Engineering field of study at the Faculty of Environmental Sciences and Engineering and the “Risk Assessment and Environmental Safety” master programme.

His most important scientific results are presented in about 21 books and more than 170 publications on environmental engineering, risk assessment, risk management and disaster management. Since 2001, he is the President of the Organization Committee of the ELSEDIMA International Conference, whose 9th edition took place in 2012. His international collaborations include the Joint Research Centre (CE), International Federation of Red Cross and Red Crescent, the United Nations Environmental Programme (UNEP), The International Society for Integrated Disaster Risk Management (IDRiM), Disaster Preparedness and Prevention Initiative for South – Eastern Europe (DPPI).