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FOREWORD

“The concerns regarding the sustainability of our influence on the environment are steadily increasing even there is great progress in scientific understanding of human interference with nature. Also technology development has made great progress in solving environmental problems. Environmental Chemistry is a key discipline in both areas in science as well as in technology. In order to meet the challenges coming from the UN Sustainable Development Goals we urgently need an improved insight into the close relationship between human development and the natural environment which is becoming a primary task of Ecology in the future. In fact, ecology is a very complex scientific area where many scientists of different disciplines must work together in order to improve our understanding on how we will have to change our behaviour in order to achieve the SDGs. Industry is playing a dominant role in two ways: industry is one of the main users of natural resources and key player in materials transformation to products and waste material which are released to the environment water, air and soil. At the same time industry is still a major source of jobs and is markedly contributing to increasing our wellbeing, health and life expectance.

The 17 goals are all interrelated and wherever quality criteria play an important role Environmental Chemistry is one of the primary disciplines to quantify the actual flow of materials through our society and allowing to measure the progress in the future. The new Journal has the goal to enhance the international scientific knowledge transfer as well as to promote innovations contributing to achieve the SDGs with a focus on industrial development based on sound science and proven technological experience which both are also an important basis for political decisions.”

Em. O. prof. dr. Helmut KROISS
Vienna University of Technology

“I am pleased to hear about the creation of „Romanian Journal of Ecology & Environmental Chemistry”. Unfortunately, the present development of our civilization is inevitably associated with the production of goods (often trashy or useless). A side effect of such development is the devastation of the natural environment including the chemical pollution, especially dangerous for living organisms. Thus the setup of the new journal devoted to chemical issues of environmental protection should be considered a highly desirable undertaking. I wish the Editorial Team of the „Romanian Journal of Ecology & Environmental Chemistry” many significant articles helpful in solving ecological problems”.

Prof. dr. Stanislaw KOTER
Nicolaus Copernicus University in Toruń, Poland

“I am glad and honored to express my appreciation and support to INCD-ECOIND Bucharest Romania, for launching the Romanian Journal of Ecology & Environmental Chemistry. Following closely the annual conferences organized by INCD-ECOIND Bucharest, I have been exposed to the advances in industrial ecology and environmental chemistry, presented by the participants. The scientific and practical achievements of the Romanian scientists, demonstrate an impressive progress in environmental science, and deserve international exposure in order to distribute the knowledge gained. We all share the deep care for our planet, to prevent pollution and disease, and to preserve biodiversity. The new Journal will serve as a significant means to disseminate national and international accomplishments in these aspects, and thus will deeply contribute to science, ecology, and human welfare.”

Prof. Asher BRENNER
Ben-Gurion University of the Negev, Faculty of Engineering Sciences, Unit of Environmental Engineering, Beer-Sheva, ISRAEL

“The goal of this new journal is the promotion of research results both in the field of industrial ecology and environmental chemistry. So it is largely open on very acute actual society problems such as pollution control and monitoring, water use, energy consumption, and management of resources and development of sustainable environmental technologies. In the field of analytical chemistry, it will be certainly a catalyst both

- For the generalization of difficult analytical tasks: more analytes in difficult matrix with high sensitivity

- For simplification of common analytical tasks: faster, continuous, more automatic and low costly methods.

We hope it will be a good interface between research and transfer technology in order to give to the industry very performing analytical devices used over long periods”.

Prof Jean Louis MARTY

University of Perpignan, France

“Environmental issues, including global warming, water, air and soil pollution, are major topics for discussion both globally and locally. Throughout time there has been a stable balance in nature. There is a harmony between biotic and abiotic factors in the environment. Since the 1950s as a result of advances in industry, agriculture, and everyday life, increasing amounts of waste have accumulated in the environment. Gases, liquids and solid waste, including domestic and waste water, pollute environment.

Where biodegradable chemical substances, from the use of polluting technologies for the production of material goods, irrational use of pesticides and mineral fertilizers in the agrarian sector, household waste etc. penetrate into the environment, natural balance is lost and this imbalance can have disastrous effects on life on Earth.

Results of studies of processes and mechanisms of transformation, migration, chemical and biochemical decomposition, immobilization, oxido-reduction, adsorption, etc. of organic and inorganic pollutants entering environmental objects will be published in the new Journal of Ecology and Environmental Chemistry founded by INCO-ECOIND and will form the basis for monitoring, assessment and control of pollution of the environment, development of efficient chemical, biochemical and biological technologies for environmental treatment. The journal will have a positive impact on the ecological education of the population, and especially on the younger generation.”

Acad., Prof. Dr. Habilitat, Tudor LUPASCU

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