

6th International IUPAC Conference of Green Chemistry
Venice, Italy, 4-8 September 2016

PhosAgro/UNESCO/IUPAC Symposium
Green Chemistry for Sustainable growth: Challenges and Returns
(Teatro Toniolo P.ta Cesare Battisti, 30172 Mestre - Venice, 6 September 2016)

Programme

Key note 8 Reducing heavy metals in our food chain with greener mineral fertilizers
Ms Irina Evstigneeva, PhosAgro
(9:45-10:15)

Opening
(10:15-10:35)

- Introduction by the Chairman of the PhosAgro/UNESCO/IUPAC International Jury for Green Chemistry
- Addresses by PhosAgro, UNESCO and IUPAC
- Address by Italian National Commission for UNESCO

Session I Green chemistry for society: vision and commitment by scientists
(10:35-10:55; 11:30-12:50)

The session will focus on the most promising areas of green chemistry research that may bring about innovative, science-based solutions to problems encountered by society, particularly those relating to the environment, human health, energy savings and everyday life.

The speakers, who will give a 6-7 minute presentation, may expose their own research projects, and their vision of, and commitment to, the development of green chemistry, as well the efforts and/or experiences being gained by national scientific or industrial institutions concerned with green chemistry. Participants in the session will consist of scientists representing various generations of researchers (including young scientists) in basic, applied and industry-oriented research, science teachers and the public at large.

Following presentations there may be questions from the floor and a general discussion.

Invited speakers

Prof Buxin **Han**, Chinese Academy of Sciences
Green Chemistry in China

Dr **Ahmed** Shebl Elsayed Sayed, Egypt winner of PhosAgro/UNESCO/IUPAC grant in 2016
Nanofertilizers..

Dr Alsu **Akhmetshina**, Russian Federation
Ionic liquids: a tunable tool for the green gas separations (IP)

Dr Ignacio **Carrera**, Uruguay
"Towards a green chemoenzymatic C-H functionalization of organic molecules: Development of new biocatalysts for C-H amination reactions (B)

Dr Muhammad **Ismail**, Pakistan
Safe and Environment Friendly Green Botanical Pesticides for the Conservation of Natural Ecosystem"

Prof Pietro **Tundo**, UNESCO Chair on Green Chemistry, Ca' Foscari University of Venice
Chairman, 6th IUPAC International Conference on Green Chemistry
New challenges for Green Chemistry in culture heritage

Professor Berhanu **Abegaz-Molla**, -Chairperson of International Basic Sciences Programme of UNESCO, Executive Director, The African Academy of Sciences (AAS), Kenya
AAS Perspectives in Green Chemistry for Africa

Dr Enrico **Ravera**, Italy
Opportunities opened by magnetic resonance for the characterization of catalysts, with particular reference to bio-based catalysts

Dr. Wycliffe Chisutia **Wanyonyi**, Kenya
Enzymatic Hydrolysis of Feathers Using a Newly Isolated Thermo-stable Alkaline Protease for the Formulation of Animal Feeds

Prof **Rodriguez Reyes**, Peru, winner of PhosAgro/UNESCO/IUPAC grant in 2014
The journey of green chemistry in mineral processing in Peru: From the benchtop to pilot scale and beyond

Dr Anastasiya **Hubina**, Ukraine, winner of PhosAgro/UNESCO/IUPAC grant in 2014
"Development of polysaccharide-based composited for multifunctional application".

Dr **Wan Alwi**, Malaysia, winner of PhosAgro/UNESCO/IUPAC grant in 2014
Agrowaste adsorbent potential for wastewater treatment

Prof Nicole **Moreau**, Member of ICSU Executive Board, Secretary General of French National Committee for Chemistry,
Capture and valorisation of CO₂, a way to reduce carbon fingerprint

Prof. Nausicaa **Orlandi**, President of the Consiglio Nazionale dei Chimici,
The role of the Professional Chemists in society, environment, industries, arts and culture



Session 2 Green chemistry and the quality of life: from dialogue to action

(15:00-16:30)

The session will focus on actions to be taken to increase the awareness of policy- and decision-makers, as well as the public at large, of the opportunities green chemistry offers for improving the quality of life, and the dialogue that may be developed at national and international levels to propel the use of fruits of green chemistry to help reduce pollution of the environment and its adverse impact on human beings, and introduce new environmentally-friendly technologies, and healthy everyday commodities. Attention may also be given to openings and commitments in green chemistry for culture particularly as regards actions to be taken by international and national organizations.

The speakers, who will give a 6-7 minute presentation, will originate from the scientific community, industry, the policy- and decision-making community, international organizations concerned with science, the public at large, the mass media and the realm of science education. The session will include a Questions and Answers component to allow direct dialogue between scientists, journalists and the public.

Key note 20 Chemical Footprints, Green Chemistry, Sustainable Development Goals.

Prof Natalia Tarasova, President, IUPAC, Mendeleev University of Chemical Technology, Moscow

(15:00-15:30)

Invited speakers

Prof. Zafra **Lerman**, President, Malta Conferences Foundation [MCF], USA
The Malta Conferences: Using Green Chemistry to Bridge Gaps between Nations.

Prof Roberto **Ballini** the Italian chemical society
The strategic role of the Green Chemistry inside the Italian Chemical Society (SCI)

Dr Xiaohui **Wu**, Head, International Cooperation Branch, Organization for the Prohibition of Chemical Weapons, OPCW
The OPCW as a global partner on green chemistry for safety, security, and sustainability.

Mr. De Martin, Officer, City of Venice
Sustainable Venice

Prof. Christopher **Brett**, IUPAC Bureau member
Perspectives for greener energy, water quality improvement and the reduction of environmental pollution

Closing

- Closing remarks by the Chairperson on major points of a message from the Symposium Discussion to be circulated to Member States of UNESCO at its 39th General Conference.

Scientific Organizing Committee of PhosAgro/UNESCO/IUPAC Symposium

Chairman

Professor John **CORISH**, School of Chemistry, Trinity College, University of Dublin, Chairman, PhosAgro/UNESCO/IUPAC International Jury for Green Chemistry

Members

Prof. Nicole J. **Moreau**, ICSU Executive Board member, Secretary General of French National Committee for Chemistry

Prof. Nausicaa **Orlandi**, President of the Consiglio Nazionale dei Chimici,

Dr Sergey A. **Ozerov**, Head of market analysis and sales planning, OJSC PhosAgro

Mr. Sergey V. **Sereda**, First Deputy Director General, OJSC PhosAgro,

Prof. Natalia P. **Tarasova**, President, IUPAC, Mendeleev University of Chemical Technology

Prof Pietro **Tundo**, UNESCO Chair on Green Chemistry, Ca' Foscari University of Venice, Chairman, 6th IUPAC International Conference on Green Chemistry

Prof Vladimir **Zharov**, Executive Secretary of PhosAgro/UNESCO/IUPAC International Jury for Green Chemistry, PhosAgro/UNESCO/IUPAC Project Officer