

Section 13
International symposium
“Green Chemistry, Sustainable Development
and Social Responsibility of Scientists”

September 25
Morning session (11.50-13.15)

Chairmen – full member of RAS **V.V. Lunin**
professor **P. Tundo**

- 11.50** **Opening Ceremony**
- 12.00** **P. Tundo** (Interuniversity Consortium Chemistry for the Environment, Italy)
CLEAN REAGENTS, GREEN CATALYSIS AND NEW REACTION CONDITIONS
- 12.20** **V.S. Petrosyan** (Moscow State University, Russia)
ETHICS IN TEACHING CHEMISTRY IN 21ST CENTURY
- 12.35** **P. Mahaffy** (The King's University College, Canada)
THE ROLE FOR CHEMISTRY EDUCATION IN SEEING AND UNDERSTANDING CLIMATE CHANGE
- 12:55** **M. Kirchhoff** (American Chemical Society, USA)
OPPORTUNITIES IN GREEN CHEMISTRY
- 13:15** **Lunch**

Evening session I (14.30 – 16.30)

Chairmen – professor **P. Mahaffy**
professor **D.A. Lemenovsky**

- 14.30** **I.V. Perminova** (Moscow State University, Russia)
DESIGN OF “GREEN” CHEMICALS AND BIOMATERIALS WITH TAILORED PROPERTIES BASED ON HUMIC SUBSTANCES
- 14.40** **V.N. Bogoslovskiy** («Technoexport» TIC, Sergiev Posad, Russia)
CHEMICAL-TECHNOLOGICAL ASPECTS OF PRODUCTION OF THE NEW GENERATION HUMIC PREPARATIONS
- 14.50** **B.N. Kuznetsov** (Institute of Chemistry and Chemical Technology, SB RAS, Krasnoyarsk, Russia)
GREEN CHEMISTRY APPROACHES IN PLANT BIOMASS PROCESSING
- 15.00** **V.N. Kavetskij** (L.I.Medved Institute of Ecohygiene and Toxicology, Kiev, Ukraine)
GREEN CHEMISTRY - NEW PHILOSOPHY OF ECO-TOXICOLOGICAL ASSESSMENT OF AGRICULTURAL CHEMICALS
- 15.10** **S.G. Zlotin** (N. D. Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences, Moscow, Russia)
HETEROGENEOUS CATALYTIC SYSTEMS CONTAINING IONIC LIQUIDS AND POLYELECTROLYTES: DESIGN AND APPLICATION IN ORGANIC SYNTHESIS
- 15.20** **Lemenovskii D.A.** (Moscow State University, Russia)
NEW POSSIBILITIES OF ORGANIC SUBSTANCES OXIDATION. OZONOLYSIS IN SC-CO₂
- 15.30** **V.G. Lambrev** («Spectr-Lakokraska» Research and production company» Ltd., Moscow, Russia)
DEVELOPMENT OF PAINTS AND VARNISHES INDUSTRY AND ENVIRONMENTAL PROBLEMS

- 15.40 Yu.H. Budnikova** (A. E. Arbusov Institute of Organic and Physical Chemistry, Kazan Research Center of the Russian Academy of Sciences, Russia)
THE DIRECT SYNTHESIS AND DEVELOPMENT OF HIGHLY EFFECTIVE TECHNOLOGIES OF ORGANOPHOSPHOROUS COMPOUNDS PREPARATION ON THE BASIS OF ELEMENTAL PHOSPHORUS
- 15.50 Yu.A. Kolbanovskii** (A.V.Topchiev Institute of Petrochemical Synthesis RAS, Moscow, Russia)
SAFE DESTRUCTION OF REACTION MASSES OF ORGANOPHOSPHOROUS CHEMICAL WEAPON DETOXICATION
- 16.00 B.N. Noller** (University of Queensland, Australia)
CHARACTERISING POLLUTION FROM MINING USING DISCRETE PHYSICO-CHEMICAL PROCESSES
- 16.10 G.I. Ksandopulo** (Combustion Problems Institute, Alma-Aty, Kazakhstan)
IMMOBILIZATION OF RADIOACTIVE COMPONENTS IN CONTAMINATED SOIL
- 16.20 E.A. Mamontova** (The Institute of Geochemistry of SB of RAS, Irkutsk, Russia)
THE PROBLEM OF POPs IN LAKE BAIKAL AND THE LAKE BAIKAL REGION
- 16.30 Break**

Evening session II (16.45 – 18.50)

Chairpersons – corresponding member of RAS **N.P. Tarasova**
professor **D. Neckers**

- 16.45 V.A. Zaytsev** (D.Mendeleyev University of Chemical Technology of Russia, Moscow)
"GREEN CHEMISTRY" OR NO-WASTE PRODUCTION
- 16.55 Z. Lerman** (Columbia College, Chicago, USA)
SUSTAINABILITY: THE FUTURE CHALLENGES FOR STUDENTS OF THE PRESENT
- 17.10 N.E. Gapanovich** (Children's Information Centre of Education "GLOBUS", Krasnoyarsk, Russia)
FORMATION OF PUPILS IN INTERESTS OF SUSTAINABLE DEVELOPMENT: APPROACHES AND PROSPECTS
- 17.20 A. Hay** (University of Leeds, United Kingdom)
FOR GOOD OR ILL: ETHICAL ISSUES FOR CHEMISTS
- 17.30 D. Neckers** (Bowling Green State University, USA)
SCIENTISTS IN THE GLOBAL SOCIETY
- 17.40 M. Sherwin** (Mendeleyev University + George Mason University, USA)
OPPENHEIMER'S SHADOW: HIS NUCLEAR WORLD AND OURS
- 17.50 L. Hogue, A.M. Sarquis** (IUPAC)
WEIGHING RISKS AND PROMOTING SCIENTIFICALLY SOUND CHOICES
- 18:00 A. Nalley** (2006 President, ACS, Cameron University, USA)
DEVELOPING NEW PROCESSES IN THE PETROLEUM INDUSTRY TO ENSURE A MORE SUSTAINABLE ENVIRONMENT
- 18.00 Sharma Om Prakash** (Minister of Chemicals and Fertilizers, India)
THE ATTITUDE OF THE SOCIETY, TEACHERS AND STUDENTS TO THE CHEMICAL WEAPONS
- 18.10 G. Hutchings** (School of Chemistry, Cardiff University, Cardiff UK)
GREEN CHEMISTRY USING GOLD CATALYSIS
- 18.20 J. Hardy** (Royal Society of Chemistry, London, UK)
GRAND CHALLENGES FOR CHEMISTRY: ENERGY AND WATER
- 18:30 H. Taft** (St.John's University, Jamaica, USA)
SUSTAINING WATER RESOURCES
- 18:40 S. Prakash** (Minister of Chemicals and Fertilizers, India)
THE ATTITUDE OF THE SOCIETY, TEACHERS AND STUDENTS TO THE CHEMICAL WEAPONS
- 18.50 Poster session**