

Program of the International Conference

**CURRENT ISSUES OF ECOLOGICAL SAFETY:
CLEANING OF WATER SOURCES AND AIR BASIN;
RECYCLING OF MUNICIPAL SOLID WASTE**

JERUSALEM CULTURAL CENTER – JERUSALEM, 27 HILLEL STR.

19 OCTOBER 2015

*To the memory of
the Chief Scientist of ECOST
Dr. Efim Manusov*

Registration **9:00 – 10:00**

Greetings **10:00 – 10:30**

Panel 1. Ecological Safety **10:30 – 12:15**

Prof. Svetlana Tumasyants (*ECOST, Jerusalem, Israel*)
International Initiatives to Ensure Global Ecological Safety

Dr. Mikhael Rudnik (*ECOST, Jerusalem, Israel*)
Ecological Safety of Israel

Prof. Vladimir Alekseenko (*Southern Federal University, Russia*),
Prof. Nonna Manusova (*ECOST, Jerusalem, Israel*),
M.Sc. Alexey Alekseenko (*National Mineral Resources University (Mining University), Russia*)
Ecological Safety Management of Sea Water Areas under the Influence of Cement Production

Prof. Rybnikov S.I. (*Moscow Aviation Institute (National Research University), Russia*)
Large-scale Environmental Impact of Heavy Spacecraft Launches

Dr. Ilya Zlatkis, M.Sc. Elizaveta Zlatkis (*ECOST, Jerusalem, Israel*)
Ecological Safety and Ecological Education

Dr. Dmitry Beylin (*"Scientific Israel – Technological Advantages" Journal*), **Prof. Oleg Figovsky** (*POLIMED*)
Israelis Received a Prestigious Award in the US

Dr. Tatiana Dec, Dr. Olexander Yanchuk, Dr. Anna Lusak (*National University of Water Management and Nature Resources Use, Rivne, Ukraine*)
Assessment of the Ecological State of the Territories in the Area of Nuclear Power Stations

Dr. Lubov Lerner (*Institute of Integration and Professional Adaptation, Netanya, Israel*)
Ecology of the City of Netanya in the Service of Health

Panel 2. Cleaning of Natural Water and Wastewater**12:15 – 14:00****Prof. Nonna Manusova** (ECOST, Jerusalem, Israel),**Prof. Victor Moshinsky** (National University of Water Management and Nature Resources Use, Rivne, Ukraine),**M.Sc. Mila Buchynskaya** (ECOST, Jerusalem, Israel)*Monitoring of Water Resources of Israel Including a System of Monitoring Observations of Wastewater***Prof. Mikhael Tanklevsky** ("Scientists of South", Israel)*The Concept of the International Program of Rescue of the Dead Sea, Revival of the River Jordan and the Help of the Aral Sea***Prof. Felix Mairanowski** ("Water Environment Technologies GmbH", Berlin, Germany)*Water Management System for Jordan River***Dr. Peter Kahnich** (National University of Water Management and Nature Resources Use, Rivne, Ukraine),**M.Sc. Mila Buchynskaya** (ECOST, Jerusalem, Israel)*Certain Criteria for Appropriate Sewage Crop Irrigation***Dr. Pavel Koren** (AQUAKOR)*AQUAKOR's Experience on Introduction of New Technologies of Wastewater Treatment***Dr. Yuli Ilyevsky** (ECOST, Jerusalem, Israel),**Prof. T.I. Drobasheva, M.Sc. B. Rastoropov** (Rostov University of Civil Engineering)*Control of Pollution by Heavy Metals and Its Significance in Ecology of the Don River Lower Reaches***Dr. Yuli Ilyevsky** (ECOST, Jerusalem, Israel), **Prof. Valentina Kozlova** (Barnaul University, Russia)*Obtaining Magnesite Cement from the Dead Sea***Prof. Kudryavtsev** (HIT Holon Institute of Technology, Holon, Israel),**Kudryavtsev N.P.** (LLC "UHTP"), **Kudryavtsev I.P.** (ENI PGNIU)*Nanocomposite Alumina-Silica-Flocculants-Coagulants***Lunch Break****14:00 – 14:30****Panel 2 – Continuation****14:30 – 16:00****Prof. Lev Boroshok, Dr. Bella Golub** (ECOST, Jerusalem, Israel)*The Direction of Improving the Water Conditioning Process in the Preparation of Drinking Water, Taking into Account the Deteriorating Ecological Situation of the Environment***Dr. David Gurevich** (AMTR Scientific Ltd, Petah Tikva, Israel),**Mark Novikov** (LENVODOKANALPROEKT, Saint Petersburg, Russia),**Vladimir Chesnokov** ("ECOMIR", Moscow, Russia)*Polyhexamethyleneguanidine Hydrochloride for Cleaning and Disinfection of Water and New Composite Biocidal Flocculants on its Basis as an Alternative to Oxidizing Reagents*

Yuri Bak (ECOST, Jerusalem, Israel)
Drinking Water and Sewage Treatment

Dr. Arie Berger, Dr. Miriam Turkinetz (ECOST, Jerusalem, Israel)
*Problems of Pure Water as Indispensable Condition for Valuable Material and Spiritual Life
Due to the Jewish Tradition*

Dr. Tatiana Schimmel (Nature Museum, Jerusalem, Israel)
Water Consumption of Israel Desert Plants

Dr. Israel Edelson (ECOST, Jerusalem, Israel)
Remineralization of Desalinated Water

Panel 3. Air Quality in Israel **16:00 – 16:15**

Michael Koten (Scientific and Technical Association "Environmental Imperative" (S&TA "EI"),
Independent Israeli Academy of Science (IIADS))
Monitoring and State of Air in Israel

Panel 4. Waste Disposal **16:15 – 17:00**

Dr. Alexander Tzikerman, Dr. Yuli Ilyevsky (ECOST, Jerusalem, Israel)
Prospects for Waste Disposal and How "WASTE EXCHANGE" May Help

Eng. Victor Feldman (ECOST, Jerusalem, Israel)
The Technological Solution to Process Waste into Energy

Dr. Natalia Strunnikova, Dr. Mark Bokman (Holy Land & Clean Water, Jerusalem, Israel)
Testing Complex Organomineral Fertilizer Produced from Domestic Sludge

Dr. Natalia Strunnikova, Dr. Mark Bokman (Holy Land & Clean Water, Jerusalem, Israel),
Dr. Olga Petrova (East-Kazakhstan National Technical University by D. Serikbaev, Oskemen,
Kazakhstan)
Utilization of Domestic Sewage Polluted by Heavy Metals

Panel 5. Energy Issues in Israel **17:00 – 17:30**

Dr. Yakov Sosnovsky, M.Sc. Evgeniy Arjev (ECOST, Jerusalem, Israel)
On Improving Israeli Energy Statistics

Dr. Yakov Sosnovsky, M.Sc. Evgeniy Arjev (ECOST, Jerusalem, Israel)
Energy Intensity in Israel: International Comparisons

Dr. Y.B. Sokolovsky (Scientific and Technical Association "Environmental Imperative")
Wind Turbine – Clean Energy

Discussion and Conclusion **17:45 – 18:30**