



**Athens Institute for Education and Research**  
***10<sup>th</sup> Annual International Symposium on Environment, 25-28 May 2015, Athens, Greece***  
Organized by the **Environment Research Unit** of ATINER

Conference Venue: [Titania Hotel](#), 52 Panepistimiou Street, 106 78 Athens, Greece

**Monday 25 May 2015**

(all sessions include 10 minutes break)

**08:00-09:00 Registration and Refreshments**

**09:00-09:30 (ROOM F) Welcome & Opening Remarks**

- Dr. Gregory T. Papanikos, President, ATINER & Honorary Professor, University of Stirling, UK.
- Dr. George Poulos, Vice-President of Research, ATINER & Emeritus Professor, University of South Africa, South Africa.
- Dr. Nicolas Abatzoglou, Head, Environment Research Unit, ATINER & Professor, Department of Chemical & Biotechnological Engineering, Université de Sherbrooke, Canada, Chair Pfizer, PAT in Pharmaceutical Engineering, Director GREEN-TPV and GRTP-C & P.

**09:30-11:00 Session I (ROOM G): Biomass Utilization and Green Engineering**

**Chair:** Olga Gkounta, Researcher, ATINER.

1. Nicolas Abatzoglou, Head, Environment Research Unit, ATINER & Professor, Department of Chemical & Biotechnological Engineering, Université de Sherbrooke, Canada, Chair Pfizer, PAT in Pharmaceutical Engineering, Director GREEN-TPV and GRTP-C & P & Jorin-Nicholas Mamen, Executive Director & Network Manager, BioFuelNet Canada. Biorefineries and the Canadian BioFuelNetwork: Phase II.
2. Jean Paris, Professor, Polytechnique Montreal, Canada, Mariya Marinova, Researcher, Polytechnique Montreal, Canada & Michel Perrier, Professor, Polytechnique Montreal, Canada. Forest Biomass and Paper Industry, a Pathway to Green Biofuels.
3. Ying Wang, Professor, Nanjing University, China, Fei Kong, MSc Student, Nanjing University, China, Yong Guo, Professor, Nanjing University, China, Cheng Hai Ma, Ph.D. Student, Nanjing University, China, Jun Zhou, Ph.D. Student, Nanjing University, China & Zhi Gang Zhou, Professor, Nanjing University, China. Developing Efficient Polymeric Photocatalysts by Coupling Benzoic Acid Derivatives on Carbon Nitride Polymer.
4. \*Marjorie Valix, Lecturer, The University of Sydney, Australia, Daniel Stoddart & Young Hong, The University of Sydney, Australia. Effect of Epoxy Depolymerisation in the Leaching of Copper from Electronic Waste.

### **11:00-12:30 Session II (ROOM G): Biological Impact**

**Chair:** \*Marjorie Valix, Lecturer, The University of Sydney, Australia

1. Andrzej Kornas, Professor, Pedagogical University, Poland, Zbigniew Miszalski, Professor, Jagiellonian University, Poland & Maciej Kocurek, Ph.D., Jan Kochanowski University, Poland. Photosynthetic Activity of Stems in Two *Clusia* Species.
2. Jian Hua Zhu, Professor, Nanjing University, China, Wei Gang Lin, Ph.D. Student, Nanjing University, China, Xiao Dan Sun, MSc Student, Nanjing University, China & Ying Wang, Professor, Nanjing University, China. Capturing the Tobacco-specific Nitrosamines (TSNA) in Environment.
3. Nathalie Clement, Ph.D. Student, IFSTTAR, France, Bogdan Muresan, Researcher, IFSTTAR, France & Denis Francois, Researcher, IFSTTAR, France. Bioindication of PAHs and Palladium Pollution from Road Traffic.
4. Ana Kalemaj, Secretary, Faculty of Natural Sciences, Tirana University, Albania & Mirela Lika, Professor, Tirana University, Albania. Food Allergy in the Students of Tirana City Ranging from Age 6 to 10.
5. Li Mo, Master Student, Beijing Forest University, China. Deposition of Size-fractionated Particulate Matter in Cuticle of Urban Plants.

### **12:30-13:30 Lunch**

### **13:30-15:00 Session III (ROOM G): Solid Waste and Residues Utilization**

**Chair:** \*Khaled Abdullah Al-Hajery, Director, Environmental Protection and Control Department, Royal Commission for Jubail and Yanbu, Saudi Arabia.

1. Thirawudh Pongprayoon, Associate Professor, King Mongkut's University of Technology North Bangkok, Thailand. Oil Removal from Contaminated Soil by Surfactant.
2. Damien Evrard, Ph.D. Student, Mines Saint-Etienne, France, Valerie Laforest, Professor, Mines Saint-Etienne, France, Jonathan Villot, Lecturer, Mines Saint-Etienne, France, Rodolphe Gaucher, Head, Unit "Clean Technologies" INERIS, France, Natacha Darmon, Head, Group Regulation & Installations, EDF-CIDEN, France & Sofia Bouhrizi, Engineer, EDF-CIDEN, France. Identification of Representative Installations to Determine Best Available Techniques: A Methodological Proposal.
3. Young Hong, Ph.D. Candidate, University of Sydney, Australia & Marjorie Valix, University of Sydney, Australia. Transforming the Recycling of E-Wastes with Thiosulfate.

### **15:00-16:30 Session IV (ROOM G): Laws, Management and Planning**

**Chair:** \*Tayel El-Hasan, Professor, Mutah University, Jordan.

1. \*Khaled Abdullah Al-Hajery, Director, Environmental Protection and Control Department, Royal Commission for Jubail and Yanbu, Saudi Arabia. How Did the Royal Commission Reduce Its Environmental Foot Print.
2. Carolus Prasetyadi, Lecturer, Universitas Pembangunan Nasional "Veteran" Yogyakarta, Indonesia & Adi Sulaksono, Graduate Student, Universitas Pembangunan Nasional "Veteran" Yogyakarta, Indonesia. Jogja National Geopark and its Brilliant Policy.
3. Nikolaos Voulvoulis, Reader in Environmental Technology, Imperial College London, U.K. Pharmaceuticals in the Aquatic Environment: The Need for Catchment Management.
4. A. Rivard, Graduate Student, Texas A&M University at Galveston, USA, J. Mileski, Department Head, Maritime Administration, Texas A&M University at Galveston, USA & M. von Zharen, Regents Professor, Department of Marine Science, Texas A&M University at Galveston, USA. All Aboard: The Wicked Problem of Marine Spatial Planning.

### **21:00-23:00 Greek Night and Dinner (Details during registration)**

## Tuesday 26 May 2015

### 08:00-10:00 Session V (ROOM G): Energy & Fuel

**Chair:** \*Saif Uddin, Research Scientist, Kuwait Institute for Scientific Research, Kuwait

1. \*Sonia Damyanova, Professor, Institute of Catalysis, Bulgarian Academy of Sciences, Bulgaria, Adriano Braga, Federal University of Sao Carlos, Brazil, Joao dos Santos, Federal University of Sao Carlos, Brazil & Jose Maria Buenno, Federal University of Sao Carlos, Brazil. Hydrogen Production by Ethanol Steam Reforming.
2. Marek Stelmachowski, Professor, Lodz University of Technology, Poland. Photocatalytic Production of Hydrogen from Water Solution of Glycerol over the TiO<sub>2</sub> Doped by Noble Metals.
3. \*Tayel El-Hasan, Professor, Mutah University, Jordan. The Environmental Consequences of the Oil Shale Utilization in Jordan: The Effect of Combustion Processes.
4. Radostina Palcheva, Assistant Professor, Institute of Catalysis, Bulgarian Academy of Sciences, Bulgaria, Barbara Pawelec, Institute of Catalysis and Petrochemistry, Spain, Eric Gaigneaux, Universite Catholique de Louvain, Belgium, Jose Luis Fierro, Institute of Catalysis and Petrochemistry, Spain & Sonia Damyanova, Professor, Institute of Catalysis, Bulgarian Academy of Sciences, Bulgaria. Hydrogen Production from Renewable Resources.
5. Rallou Dadioti, PhD Researcher, De Montfort University, U.K. & Simon Rees, Reader in Architectural Engineering and Renewable Systems, De Montfort University, U.K. Wind Power Resource Assessment in Urban Environment Based on Computational Fluid Dynamics Modeling.

### 10:00-11:30 Session VI (ROOM G): Air Pollution

**Chair:** \*Ali Ariapour, Academic Member, Boroujerd Branch, Islamic Azad University, Iran

1. Fernando Valenzuela, Head, Unit Operation and Hydrometallurgy Laboratory, Universidad de Chile, Chile. Use of Modified Nano-Structured Silicates for Treatment of Highly Polluted Acidic Mine Drainages.
2. Raul G.E. Morales, Chairman, Centre for Environmental Sciences, University of Chile, Chile, Richard Toro & Manuel A. Leiva. Critical Episode Patterns of Atmospheric Pollution by Particulate Matter at Santiago City, Chile.
3. \*Krassi Rumchev, Discipline Leader, Curtin University, Australia, D. Bertolatti, Curtin University, Australia, B. Mullins, Curtin University, Australia & I. Chakma, Curtin University, Australia. Concentrations and Elemental Compositions of Airborne Particulate Matter in Perth Metropolitan Area, Australia.
4. Praveen Babu, Ph.D. Student, Indian Institute of Technology Delhi, India, Mukesh Khare, Professor, Indian Institute of Technology Delhi, India & Radha Goyal, Post-Doctoral Fellow, Indian Institute of Technology Delhi, India. Chemical Characterization of Airborne Particles Collected in an Underground Metro Station Platform in Delhi City.
5. Zeyu Ma, MSc Student, Beijing Forestry University, China. The Distribution of Concentration of PM<sub>2.5</sub> in Different Regions of Beijing in Summer and Autumn.

### 11:30-13:00 Session VII (ROOM G): Water Pollution

**Chair:** \*Sofia Djerdali, Professor, University Ferhat Abbas, Algeria

1. Kamchai Nuithitikul, Associate Professor, Walailak University, Thailand, Sarawut Srikun, Postgraduate Student, King Mongkut's University of Technology North Bangkok, Thailand & Samorn Hirunpraditkoon, Associate Professor, Naresuan University, Thailand. Synthesis of Activated Carbons from Durian Peel and Their Adsorption Performance for Lead Ions in Aqueous Solutions.
2. Amita Chaudhary, Ph.D. Scholar, Govt. Technical Institute, India & Ashok N. Bhaskarwar, Professor, Govt. Technical Institute, India. A Novel Ionic Liquid for Carbon Capture.
3. Deniz Dolgen, Instructor and Professor, Dokuz Eylul University, Turkey & Mehmet Necdet Alpaslan, Professor, Dokuz Eylul University, Turkey. Greenhouse Gas Emissions (GHGs) Related to the Wastewater Treatment Plants.
4. Aicha Sebti, Ph.D. Student and Researcher, Unité de Développement des Equipements Solaires, EPST CDER, Algeria, Boutra Belgacem, Lebik Hafida, Medjene Farid, Igoud Sadek & Aoudjit Lamine. Renewable Energy Development Center, Algeria. Numerical Simulation of Solar Reactor for Water Disinfection.

**13:00-14:30 Session VIII (ROOM G): Environmental Impact & Other Essays**

**Chair:** Nicolas Abatzoglou, Head, Environment Research Unit, ATINER & Professor, Department of Chemical & Biotechnological Engineering, Université de Sherbrooke, Canada, Chair Pfizer, PAT in Pharmaceutical Engineering, Director GREEN-TPV and GRTP-C & P.

1. Bhaskar Kura, Professor, University of New Orleans, USA. Promoting Sustainability at the World Ports: Research Efforts at the University of New Orleans.
2. \*Sofia Djerjali, Professor, University Ferhat Abbas, Algeria & Francisco Sanchez Tortosa, Professor, University of Cordoba, Spain. Anthropogenic Food Subsidies Enhance Egg Volume and Hatching Mass in White Stork *Ciconia Ciconia* in Setif Area (Northern ALGERIA).
3. \*Ali Ariapour, Academic Member, Boroujerd Branch, Islamic Azad University, Iran, Elahe Karami, M.Sc. Graduate, Boroujerd Branch, Islamic Azad University, Iran, Amir Heidari Jamshidi, Senior Expert, Jihade Agriculture Organization of Lorestan Province, Iran & Fatemeh Jaidari, Boroujerd Branch, Islamic Azad University, Iran. Application of Geographic Information System (GIS) in Soil Erosion Modeling by MPSIAC Method in Boroujerd Rangeland, Sarab Sefid, Iran.
4. \*Saif Uddin, Research Scientist, Kuwait Institute for Scientific Research, Kuwait. Radioactivity in Seawater – A Review from Northern Persian Gulf.

**14:30-15:30 Lunch**

**15:30-18:00 Urban Walk (Details during registration)**

**21:00- 22:00 Dinner (Details during registration)**

**Wednesday 27 May 2015**  
**Cruise: (Details during registration)**

**Thursday 28 May 2015**  
**Delphi Visit: (Details during registration)**