



Athens Institute for Education and Research
11th Annual International Symposium on Environment, 23-26 May 2016, Athens, Greece
Organized by the [Environment Research Unit](#) of ATINER sponsored by the [Athens Journal of Sciences](#)
[Scientific and Organizing Committee](#)



Conference Venue: [Titania Hotel](#), 52 Panepistimiou Street, 10678 Athens, Greece

Monday 23 May 2016

(all sessions include 10 minutes break)

08:00-08:30 Registration and Refreshments

08:30-09:00 Welcome & Opening Address (ROOM A)

- Gregory T. Papanikos, President, ATINER.
- George Poulos, Vice-President of Research, ATINER & Emeritus Professor, University of South Africa, South Africa.

09:00-11:00 Session I (ROOM B): Biological Impact and Other Issues

Chair: Olga Gkounta, Researcher, ATINER.

1. George Antonious, Professor, Kentucky State University, USA. Assessment of Soil Enzymatic Activity Following Incorporation of Recycled Sewage Sludge at Three Locations in Kentucky.
2. *[Wanida Jinsart](#), Professor, Chulalongkorn University, Thailand & Borworn Mitmark, Postgraduate Student, Chulalongkorn University, Thailand. Using GIS Tools to Estimate Health Risk from Biomass burning in Northern Thailand.
3. Beata Szyszka, Ph.D. Student, Poznan University of Economics, Poland & Alina Matuszak-Flejszman, Deputy Dean of the Commodity Science, Poznan University of Economics, Poland. [The Role of Stakeholders in the Eco-management and Audit Scheme](#).
4. John Sansalone, Professor, University of Florida, USA. Particulate, Chemical and Microbiological Management as Sustainable Practices for Urban Societies.

11:00-13:30 Session II (ROOM B): Air Pollution I

Chair: *[Wanida Jinsart](#), Professor, Chulalongkorn University, Thailand.

1. *[Krassi Rumchev](#), Senior Lecturer, Curtin University, Australia, S. Kostova, Bulgarian Academy of Sciences, Bulgaria, S. Popova, Bulgarian Academy of Sciences, Bulgaria & T. Antova, National Centre of Public Health and Analyses, Ministry of Health, Sofia, Bulgaria. Air Quality and Respiratory Health - Comparison Between Two Cities. (Panel on Air Pollution)
2. *Saif Uddin, Research Scientist, Kuwait Institute for Scientific Research, Kuwait. Use of Satellite Images to map Spatio-temporal variability of PM2.5 in Air.
3. [Egor Iasenko](#), Ph.D. Student, National Research University ITMO, Russia, Vladimir Chelibanov, Ph.D. Candidate, National Research University ITMO, Russia & Alexander Marugin, Ph.D. Candidate, JSC OPTEC, Russia. [Monitoring of Ozone Ground Concentration at Temperature Inversions in the Atmosphere](#).
4. Antonio Lopez, Ph.D. Student, Public Health Laboratory of Valencia, Spain, Vicent Yusa, Deputy Director General for Food Safety and Public Health Laboratories, Public Health Laboratory of Valencia, Spain, Amalia Munoz, Researcher, Instituto Universitario UHM-CEAM, Spain & Clara Coscolla, Head of Food Safety Area, Public Health Laboratory of Valencia, Spain. Risk Assessment of Airborne Pesticides in a Rural Region of Spain. (Panel on Air Pollution)

13:30-14:30 Lunch

14:30-16:00 Session III (ROOM B): Nature, Environmental Impact & Life Cycle Assessment

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

1. Ying Zhang, Associate Professor, Beijing Forestry University, China. Responses of N Content and $\delta^{15}\text{N}$ Value of Dominant trees to Atmospheric Nitrogen Deposition in Beijing, China.
2. [Bongjae Lee](#), Head Researcher, Korea Testing and Research Institute, Korea & [Jeong-il Lee](#), Center Leader, Korea Testing and Research Institute, Korea. [The Characteristic for Removal Efficiency of non-CO₂ Gas using QMS-FTIR in Fabrication Process.](#)

16:00-17:30 Session IV (ROOM B): Water Pollution

Chair: Anu Shrestha, Ph.D. Student, Curtin University, Australia

1. *Guleren Doner, Professor, Istanbul Technical University, Turkey. A Novel Effective Adsorbent for the Removal of Aniline Blue Dye from Sea Water.
2. *Arzu Yakar, Assistant Professor, Afyon Kocatepe University, Turkey, Minel Caliskan, Engineer, Afyon Kocatepe University, Turkey, Yasemin Caliskan, Engineer, Afyon Kocatepe University, Turkey & Gunnur Pesmen, Assistant Professor, Afyon Kocatepe University, Turkey. [Production of Activated Carbon by Using Sugar Beet Pulp and Usage in Water Treatment.](#)

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

Tuesday 24 May 2016

08:00-09:30 Session V (ROOM B): Air Pollution II

Chair: *Krassi Rumchev, Senior Lecturer, Curtin University, Australia, S. Kostova, Bulgarian Academy of Sciences, Bulgaria.

1. [Fatih Aktas](#), Assistant Professor, Düzce University, Turkey, Fatih Taspinar, Assistant Professor, Düzce University, Turkey & Zehra Bozkurt, Assistant Professor, Düzce University, Turkey. [Hourly Predictions of PM₁₀ Emissions for Emergency Episode Perception Comparatively using ANN and SVM-R Techniques.](#)
2. [Zehra Bozkurt](#), Assistant Professor, Duzce University, Turkey, Fatih Taspinar, Assistant Professor, Duzce University, Turkey, Eftade O. Gaga, Anadolu University, Turkey, Beyhan Pekey, Kocaeli University, Turkey, Hakan Pekey, Kocaeli University, Turkey, Ozlem Ozden Uzmez, Anadolu University, Turkey & Tuncay Dogeroglu, Anadolu University, Turkey. [Mass Concentrations and Elemental Compositions of Pm₁₀ in Duzce, Turkey.](#) (Panel on Air Pollution)
3. *[Yang Cao](#), Assistant Professor, Institute of Environmental Medicine, Sweden, [Xin Fang](#), Ph.D. Candidate, Institute of Environmental Medicine, Sweden, Runkui Li, Associate Professor, University of Chinese Academy of Sciences, China, Haidong Kan, Professor, Fudan University, China, Matteo Bottai, Professor, Institute of Environmental Medicine, Sweden & Fang Fang, Associate Professor, Karolinska Institutet, Sweden. Application of Bayesian Model Averaging Method in Assessing the Association between Inhalable Coarse Particles and Respiratory Mortality. (Panel on Air Pollution)
4. Anu Shrestha, Ph.D. Student, Curtin University, Australia, Krassi Rumchev, Senior Lecturer, Curtin University, Australia, Ben Mullins, Associate Professor, Curtin University, Australia, Linda Selvey, Director, Faculty of Health Sciences, Curtin University, Australia & Yun Zhao, Senior Lecturer, Curtin University, Australia. [Evaluation of Exposure to Particulate Air Pollution and Its Lung Deposition among Cyclists in the Perth Metropolitan Area.](#) (Panel on Air Pollution)

09:30-11:00 Session VI (ROOM B): Energy and Fuel

Chair: *Yang Cao, Assistant Professor, Institute of Environmental Medicine, Sweden.

1. [Janusz Cieslinski](#), Professor, Gdansk University of Technology, Poland & [Slawomir Smolen](#), Professor, City University of Applied Sciences Bremen, Germany. Application of Nanofluids in Thermal Energy Storage Systems.
2. *Timothy Mark Young, Professor, Graduate Director, University of Tennessee, USA. Assessing Site Locations for Biorefineries Using Bayesian Methods.
3. [Angela Inmaculada Barreda](#), Ph.D. Student, University of Cantabria, Spain, Francisco Gonzalez, Professor, University of Cantabria, Spain & Fernando Moreno, Professor, University of Cantabria, Spain. [Shape Effects of High Refractive Index Dielectric Nanoparticles as Enhancers of Energy Harvesting in Solar Cells.](#)

11:00-14:00 Educational and Cultural Urban Walk Around Modern and Ancient Athens (Details during registration)

14:00-15:00 Lunch

15:00-16:30 Session VII (ROOM B): Special Topics

Chair: Angela Inmaculada Barreda, Ph.D. Student, University of Cantabria, Spain.

1. Paulo Roberto Santos, Civil Engineering Coordinator, Faculdade Integrada Metropolitana de Campinas – Metrocamp, Brazil. Analyzing the Effects of Reusing the Ornamental Rocks Residues with Conventional Concrete.
2. Aletea Madacki, MSc Student, University of Sao Paulo – USP, Brazil & Andre Felipe Simoes, Professor, University of Sao Paulo – USP, Brazil. [Decarbonising the Brazilian Aviation Sector – Analysis of Selected Strategies](#).
3. Hannah Johnson, Graduate Student, Sam Houston State University, USA & Madhusudan Choudhary, Associate Professor, Sam Houston State University, USA. A Clean Purple Sweep: Gold Bioremediation Using *Rhodobacter Sphaeroides*.
4. *Samuel Agele, Lecturer/Researcher, Federal University of Technology, Nigeria. Mainstreaming Adaptation, Resilience and Disaster Risk Reduction into Extension of Frontiers of Cacao to Marginal Soils and Climate of the Humid Tropics in the Wake of Climate and Weather Variabilities.

21:00-22:30 Dinner (Details during registration)

Wednesday 25 May 2016

Cruise: (Details during registration)

Thursday 26 May 2016

Delphi Visit: (Details during registration)