



14th Annual International Symposium on Environment, 27-30 May 2019, Athens, Greece
Organized by the [Environment Unit](#) and the [Center for Environmental Pollution, Climate & Ecology](#)

Sponsored by the [Athens Journal of Sciences](#)

Conference Venue: Titania Hotel, 52 Panepistimiou Avenue, Athens, Greece (close to metro station *Panepistimio*)

Monday 27 May 2019

07:50-08:40 Registration and Refreshments

08:50-09:20 (Room C - 10th Floor): [Welcome and Opening Address](#) by Gregory T. Papanikos, President, ATINER.

09:30-11:00 Session I (Room E - Mezzanine): Air Pollution I

Chair: Olga Gkounta, Researcher, ATINER.

1. Alan Hedge, Professor, Cornell University, USA. Effects of Buildings on Air Pollution and Climate Change.
2. Yunsoo Choi, Associate Professor, University of Houston, USA. Using AI Deep Learning to Predict Ozone Concentrations 24 Hours in Advance and Climate Change Impact on Ozone in Texas.
3. Hongyong Qiao, Postgraduate Student, Beijing Forestry University, China. A New Synonym for Beijing's Environmental Quality – “Beijing Blue”.

11:00-12:30 Session II (Room E - Mezzanine): Waters: Monitoring, Analysis, Pollution and Abatement

Chair: Monica Siroux, Professor, Director of the Environmental and Electrical Engineering Department, ICube | INSA Strasbourg, France.

1. [Valerie Laforest](#), Research Director / Professor, École des Mines de Saint-Étienne, France & Jonathan Villot, Assistant Professor, École des Mines de Saint-Étienne, France. Assessing Urban Wastewater Treatment Process through Best Available Technique Criteria.
2. [Cassandra Carter](#), Research Student, University of St. Thomas, USA, Erin Curran, Associate Professor, University of St. Thomas, USA, Dalma Martinovic – Weigelt, Associate Professor, University of St. Thomas, USA, Alvine Mehinto, Senior Scientist, Southern California Coastal Water Research Project, USA, Natalia Garcia Reyero Vinas, Research Biologist, US Army Engineer Research and Development Center, USA & Mark Ferrey, Research Scientist 2, Minnesota Pollution Control Agency, USA. Prioritization of Environmental Contaminants in Aquatic Ecosystems: A Partial Least Squares Approach.
3. Michelle Angelica Roa, Graduate Student, University of the Philippines Diliman, Philippines. Pretreatment of Brackish Water through Chitosan Coagulation and Slow Sand Filtration for Desalination Applications.
4. Manna Farrel Pinto, Graduate Research Student, University of the Philippines Diliman, Philippines. Graphene Zeolite-based Granular Media Filtration System for the Pretreatment of Brackish Water.

12:30-14:00 Session III (Room E - Mezzanine): Sustainable Development: Education, Climate Change and Energy Considerations

Chair: Valerie Laforest, Research Director / Professor, École des Mines de Saint-Étienne, France.

1. Monica Siroux, Professor, Director of the Environmental and Electrical Engineering Department, ICube | INSA Strasbourg, France. Towards Sustainable Energy Technologies: The Case of the Micro Combined Heat and Power Systems.
2. Camelia Maier, Professor, Texas Woman's University, USA. Texas Woman's University Pollinator Gardens – Working toward Conservation and Sustainability Education.
3. Erofili Pontikaki, Lecturer, Webster University Thailand, Thailand. The Katowice Climate Change Conference 2018 and its Implications for the EU.
4. Ana Maria Leon Ramos, MSc Student, Universidad Juárez Autónoma de Tabasco, Mexico, Candelario Ramon de los Santos, PhD Student, Universidad Juárez Autónoma de Tabasco, Mexico, Laura Lorena Diaz Flores, Researcher, Universidad Juárez Autónoma de Tabasco, Mexico, Angelica Silvestre Lopez Rodríguez, Researcher, Universidad Juárez Autónoma de Tabasco, Mexico, Edgar Vicente Macias Melo, Researcher, Universidad Juárez Autónoma de Tabasco, Mexico, Pio Sifuentes Gallardo, Researcher, Universidad Juárez Autónoma de Tabasco, Mexico & Ma Guadalupe Rivera Ruedas, Researcher, Universidad Juárez Autónoma de Tabasco, Mexico. Formulation for Producing High Strength Hydraulic Concrete Added with Biogenic Nano CaCO₃ Structures.

14:00-15:00 Lunch

15:00-16:30 Session IV (Room E - Mezzanine): Biodiversity and Plants

Chair: Yunsoo Choi, Associate Professor, University of Houston, USA.

1. Lenka Skalova, Professor, Charles University, Czech Republic, Lucie Stuchlikova Raisova, Postdoctoral, Charles University, Czech Republic, Lenka Langhansova, Researcher, Czech Academy of Sciences, Czech Republic, Pavel Jakubec, Postdoctoral, Charles University, Czech Republic & Martina Navratilova, PhD Student, Charles University, Czech Republic. Uptake and Biotransformation of Monepantel in Plants used as Livestock Feed.
2. Rina Kamenetsky Goldstein, Senior Researcher, ARO The Volcani Center, Israel. Biodiversity and Survival Strategies of Geophytes in Mediterranean Climate.
3. Radka Podlipna, Scientist, Institute of Experimental Botany, Czech Academy of Sciences, Czech Republic, Eliska Syslova, PhD Student, Czech Academy of Sciences, Czech Republic, Barbora Szotakova, Professor, Charles University, Czech Republic & Lenka Skalova, Professor, Charles University, Czech Republic. The Fate of Anthelmintics in Soy Plant.

21:30-23:30 Greek Night and Dinner

Tuesday 28 May 2019

07:30-10:15 Session VI: An Educational Urban Walk in Modern and Ancient Athens

Group Discussion on Ancient and Modern Athens

Visit to the Most Important Historical and Cultural Monuments of the City (be prepared to walk and talk as in the ancient peripatetic school of Aristotle)

11:00-13:00 Session VII (Room D - 10th Floor): Environmentally Friendly Value-Added Products

Chair: Salim Hiziroglu, Professor, Oklahoma State University, USA.

1. Sam Andriani, Professor / Research Scientist, Columbus State Community College / The Andriani Institute Research Center, USA. Photodegradation of a few Polycyclic Aromatic Hydrocarbons (PAH) in Aqueous Solution.
2. Emilia-Adela Salca, Associate Professor, Transilvania University of Brasov, Romania. Evaluation of the Surface Quality of Wood as a Function of Machining Parameters.
3. Fidan Aslanova, Associate Professor, Near East University, Cyprus. Influence of Industrial Enterprises on the Environment.
4. Onur Ulker, Assistant Professor, Kirikkale University, Turkey. Evaluation of Corner Joint Strength of Particleboard and Sandwich Panels bonded with Starch.
5. Way Long, Assistant Professor, National Pingtung University of Science and Technology, Taiwan & Chun-Chun Chien, Associate Professor, Fooyin University, Taiwan. Modified Acoustic Property of Bamboo Violin Soundboard using the Microphone Array Method.

13:00-14:30 Session VIII (Room D - 10th Floor): Air Pollution II

Chair: Alan Hedge, Professor, Cornell University, USA.

1. Ian McKendry, Professor, The University of British Columbia, Canada. Suppression of Mountain Convective Boundary Layer “Handover” Processes by Persistent Wildfire Smoke Plumes in Southwestern British Columbia.
2. Eli Zaady, Researcher, Agricultural Research Organization, Volcani Center, Israel. The Expected Environmental Impact of Increased Pesticide use on the Mortality of Pollinators and Hive Productivity.
3. Adriana Dumitru, PhD Student, University of Bucharest, Romania, Alina Olaru, Teaching Assistant, University of Bucharest, Romania, Marius Dumitru, Researcher, National Institute for Laser, Plasma and Radiation Physics, Romania & Gabriela Iorga, Assistant Professor, University of Bucharest, Romania. Influence of Coal Open-Pit Mining on Ambient Air: A Case Study in South-western Romania.

14:30-15:30 Lunch

15:30-17:00 Session IX (Room D - 10th Floor): Air Pollution Measurement Techniques and Legal Compliance

Chair: Onur Ulker, Assistant Professor, Kirikkale University, Turkey.

1. Raul G.E. Morales, Professor, University of Chile, Chile, Gregorio P. Jara, Research Associate, University of Chile, Chile & Nicolas Valdes, Professor, Universidad Los Andes, Chile. Atmospheric Pollution by Pm-2.5 and Co in Urban-Rural Zones of Chile.
2. Marie Dellise, PhD Student, École des Mines de Saint-Étienne, France, Jonathan Villot, Assistant Professor, École des Mines de Saint-Étienne, France, Rodolphe Gaucher, Head of Unit “Sustainable and Cleaner Technologies and Processes”, INERIS, France, Anne Amardeil, Study Engineer, EDF, France & Valerie Laforest, Research Director / Professor, École des Mines de Saint-Étienne, France. Assessing the Implementation of Best Available Techniques at the Local Scale in the Absence of Industrial Sectoral Reference: An Issue for Compliance Demonstration.

21:00- 22:30 Dinner

Wednesday 29 May 2019
Mycenae and Island of Poros Visit
Educational Island Tour

Thursday 30 May 2019
Delphi Visit

Friday 31 May 2019
Ancient Corinth and Cape Sounion

All ATINER's conferences are organized by the [Academic Council](#). This conference has been organized with the assistance of the following academics, who contributed by a) setting up the program b) chairing the conference sessions, and/or c) reviewing the submitted abstracts and papers:

1. Gregory T. Papanikos, President, ATINER & Honorary Professor, University of Stirling, UK.
2. Nicolas Abatzoglou, Head, Environment Unit, ATINER; Professor, Department of Chemical & Biotechnological Engineering, Université de Sherbrooke, Canada; Chair Pfizer, Processes and Analytical Technologies in Pharmaceutical Engineering; Director of GRTP-C & P (Groupe de recherches sur les technologies et procédés de conversion et pharmaceutiques); Fellow of Canadian Academy of Engineering.
3. Saif Uddin, Director, Center for Environmental Pollution, Climate & Ecology (CEPCE) & Senior Research Scientist, Kuwait Institute for Scientific Research, Kuwait.
4. Salim Hiziroglu, Academic Member, ATINER & Professor, Natural Resource Ecology and Management, Oklahoma State University, Stillwater, Oklahoma, USA.
5. Krassi Rumchev, Academic Member, ATINER & Associate Professor, School of Public Health, Curtin University, Australia.
6. Alan Hedge, Professor, Cornell University, USA.
7. Sam Andriani, Academic Member, ATINER & Professor / Research Scientist, Columbus State Community College / The Andriani Institute Research Center, USA.
8. Monica Siroux, Professor, Director of the Environmental and Electrical Engineering Department, ICube | INSA Strasbourg, France.
9. Valerie Laforest, Research Director / Professor, École des Mines de Saint-Étienne, France.
10. Yunsoo Choi, Associate Professor, University of Houston, USA.
11. Onur Ulker, Assistant Professor, Kirikkale University, Turkey.
12. Lampros Pyrgiotis, Research Fellow, ATINER.
13. Olga Gkounta, Researcher, ATINER.