



**Athens Institute for Education and Research**  
*A World Association of Academics & Researchers*



**2<sup>nd</sup> Annual International Symposium on Animal Science & Zoology, 16-19 July 2018, Athens, Greece**  
**Organized by the [Agriculture Unit](#)**  
**Sponsored by the [Athens Journal of Sciences](#)**

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

**Monday 16 July 2018**

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

**09:00-09:30 [Welcome and Opening Address](#) (Room A - 10<sup>th</sup> Floor)**

**Gregory T. Papanikos, President, ATINER.**

**09:30-11:30 Session I (Room C - 10<sup>th</sup> Floor): Climate Change**

**Chair:** Angelantonio Calabrese, Researcher, National Research Council, Water Research Institute (IRSA), Italy.

1. [Tina Cartwright](#), Associate Professor, Marshall University, USA, Deb Hemler, Professor, Fairmont State University, USA & Paula Magee, Clinical Professor, Indiana University, USA. Adolescent Understanding about Climate Change: Opportunities and Challenges.
2. Dawn Roberts-Semple, Assistant Professor, York College, The City University of New York, USA. Potential Impact of Climate Change on Ambient Air Pollution Concentrations and Respiratory Hospital Admissions.
3. [Asli Gul Oncel](#), Associate Professor, Galatasaray University, Turkey & Theodore Tzanakis, Judge of Supreme Court, Supreme Civil and Criminal Court of Greece, Greece. Legal and Statistical Framework of Climate Change from the EU and International Point of View.

**11:30-13:30 Session II (Room C - 10<sup>th</sup> Floor): Special Topics I**

**Chair:** Tina Cartwright, Associate Professor, Marshall University, USA.

1. Jose Antonio Heredia-Rojas, Chairman of the Department of Exact Sciences and Human Development, Autonomous University of Nuevo León, México. Antimicrobial Effect of Electro-Transferred Water Following Exposure to Resonant Circuits.
2. [Stefan Catalin Baba](#), PhD Student and Researcher, University of Bucharest and "Emil Racovita" Institute of Speleology, Romania, Andrei Giurginca, Senior Researcher, "Emil Racovita" Institute of Speleology, Romania, Alexandru Petculescu, Senior Researcher, "Emil Racovita" Institute of Speleology, Romania, Ionuț Cornel Mirea, PhD Student, "Emil Racovita" Institute of Speleology, Romania & Dumitru Murariu, Senior Researcher, "Emil Racovita" Institute of Speleology, Romania. Centipede Communities as an Integrated Part of a Specific Cultural Landscape.
3. [Ursula Samantha Morales-Rodriguez](#), Student, Center of Computer Research – National Polytechnic Institute, Mexico, José Juan Carbajal-Hernández, Research Professor, Center of Computer Research – National Polytechnic Institute, Mexico, César Augusto Hoil-Rosas, Student, Center of Computer Research – National Polytechnic Institute, Mexico & Luis Pastor Sánchez-Fernández, Research Professor, Center of Computer Research – National Polytechnic Institute, Mexico. A New Model for Emotional Domestic Cat Meow's Identification via Artificial Intelligence Techniques.

4. Lidija Polovic, Director, The Natural History Museum of Montenegro, Montenegro & Natalija Cadjenovic, Museum Advisor at Amphibian Collection, The Natural History Museum of Montenegro, Montenegro. The Herpetofauna of Western Part of Montenegro, Preliminary Results.
5. Varoujan Sissakian, Private Consultant Geologist, University of Kurdistan, Iraq, Nasrat Adamo, Consultant, Lulea University of Technology, Sweden, Nadhir Al-Ansari, Professor, Lulea University of Technology, Sweden, Sven Knutsson, Professor, Lulea University of Technology, Sweden & Jan Laue, Professor, Lulea University of Technology, Sweden. Geological and Geotechnical Study of Badush Dam.
6. Saif Uddin, Senior Research Scientist, Kuwait Institute for Scientific Research, Kuwait, Montaha Behbehani, Associate Research Scientist, Kuwait Institute for Scientific Research, Kuwait & Abdulnabi Al-Ghadban, Principal Research Scientist, Kuwait Institute for Scientific Research, Kuwait. <sup>210</sup>Po Concentration in Dominant Phyto and Zooplanktons in the northern Arabian Gulf.

### 13:30-14:30 Lunch

### 14:30-16:30 Session III (Room B - 10<sup>th</sup> Floor): Water Quality and Pollution

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

1. Jose Juan Carbajal Hernandez, Research Professor, Centre for Computer Research – National Polytechnic Institute, Mexico, José Luis Vázquez Burgos, Student, Centre for Computer Research – National Polytechnic Institute, Mexico & Luis Pastor Sánchez-Fernández, Research Professor, Centre for Computer Research – National Polytechnic Institute, Mexico. Environmental Assessment for Chirostoma Estor Estor Water Management in Intensive Culture Using a Fuzzy Analytical Hierarchy Process.
2. Angelantonio Calabrese, Researcher, National Research Council, Water Research Institute (IRSA), Italy, Vito Felice Uricchio, Technologist, National Research Council, Water Research Institute (IRSA), Italy, Massimo Blonda, Researcher, National Research Council, Water Research Institute (IRSA), Italy & Claudia Campanale, PhD Student, National Research Council, Water Research Institute (IRSA), Italy. Use of Molecular Techniques for Identification the Kind of Nitrate Contamination in Groundwater.
3. Elmyre Clervil, PhD Student, Université Quisqueya, Haiti, Evens Emmanuel, Professor, Université Quisqueya, Haiti & Yves Péroddin, Professor, Université de Lyon, France. Pharmaceuticals Compounds (PCs) in Urban Wastewater (WW) from Developing Countries: Environmental Concentrations and Toxicity.
4. Lise Charuaud, PhD Student, University of Rennes 1, France, Emilie Jardé, CNRS Research Scientist, University of Rennes 1, France, Anne Jaffrézic, Assistant Professor, UMR SAS, France, Thierry Panaget, Engineer in Charge of Regional Water Policy, Agence Régionale de Santé de Bretagne, France, Maud Billon, Engineer, Regional Environment Directorate Housing Renovation of Brittany, France & Barbara Le Bot, Professor, University of Rennes 1, France. Veterinary Pharmaceutical Residues in Water Resources and Tap Water in an Intensive Husbandry Area in France.
5. Jacobus Johannes Grobler, MSc Student, University of South Africa, South Africa & Kevin Mearns, Professor, University of South Africa, South Africa. Water Quality Management in the Wildlife Lodge Industry: A Multiple Case Study in South Africa, Namibia and Botswana.

### 16:30-18:00 Session IV (Room B - 10<sup>th</sup> Floor): Soil Science

**Chair:** Nadhir Al-Ansari, Professor, Lulea University of Technology, Sweden.

1. Francisco Fambrini, Professor, FESB - Fundação Municipal de Ensino Superior de Bragança Paulista, Brazil & Virginia de Souza Bueno, Professor, FESB - Fundação Municipal de Ensino Superior de Bragança Paulista, Brazil. Use of Pilou and Shannon Diversity Indexes in Description of Edaphic Fauna in Forests in South.
2. Haixia Wang, Doctor, Northeast Normal University, China. Study on the Contribution of Soil Fauna to Litters Decomposition in the Tundra of Changbai Mountains.

**18:00-20:00 Session V (Room B - 10<sup>th</sup> Floor): ATINER's 2018 Series of Academic Dialogues A Symposium Discussion on *The Future of Teaching and Researching in a Global World***

**Chair:** Gregory T. Papanikos, President, ATINER.

1. Michael P. Malloy, Director, Business and Law Research Division, ATINER & Distinguished Professor & Scholar, University of the Pacific, USA. Experiential Learning in the Classroom.
2. Dawn Roberts-Semple, Assistant Professor, York College, CUNY. USA. Next Generation Air Quality Measurement Technologies.
3. Majed Abu-Zreig, Professor, International Platform for Dryland Research and Education (IPDRE), Japan. Jordan University of Science and Technology: Road to the Globe.
4. Juan Martinez Solis, Assistant Professor, Chapingo Autonomous University, Mexico. The Near Future of Agriculture Graduate Programs in Mexico.
5. Nadhir Al-Ansari, Professor, Lulea University of Technology, Sweden. Higher Education in Iraq.
6. Ronald Griffin, Professor, Florida A&M University, USA. Higher Education: Liberalism, Literature, and Law.

**21:00-23:00 Greek Night and Dinner**

**Tuesday 17 July 2018**

**07:45-11:00 Session VI: An Educational Urban Walk in Modern and Ancient Athens**

**Chair:** Gregory A. Katsas, Vice President of Academic Affairs, ATINER & Associate Professor, The American College of Greece-Deree College, Greece.

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)

**11:15-13:00 Session VII (Room B - 10<sup>th</sup> Floor): Special Topics II**

**Chair:** Tomas de Jesus Guzman Hernandez, Professor and Researcher, Costa Rica Institute of Technology, Costa Rica.

1. Gustavo Bittencourt Machado, Adjunct Professor, Federal University of Bahia, Brazil. Brazilian Competitiveness and Food Security in the Animal Production Global Market.
2. Nadia Tirchi, Teacher Researcher, Université Djilali Bounaama Khemis Miliana, Algeria & Djeddar Miliani, Université Djilali Bounaama Khemis Miliana, Algeria. Effect of the Irrigation by the Pisciculture Water on the Populations of Earthworms and Nematodes in the Soil.
3. Lila Abidi, Teacher Researcher, Université Djilali Bounaama Khemis Miliana, Algeria, Sid Ahmed Snoussi, Teacher Researcher, University of Blida, Algeria & Maria Stela Bradea, Teacher Researcher, University of Blida, Algeria. Improvement of the Quality of the Tomato (*Solanum lycopersicum* L.) under the Influence of a Bio Fertilizer of Vegetable Origin.

**13:00-14:00 Lunch**

**14:00-15:30 Session VIII (Room B - 10<sup>th</sup> Floor): Marine Biology and Aquaculture**

**Chair:** Majed Abu Zreig, Professor, IPDRE, Tottori University, Japan.

1. Tomas Randak, Head of Laboratory, University of South Bohemia České Budějovice, Czech Republic, Katerina Grabicova, Academic, University of South Bohemia České Budějovice, Czech Republic, Roman Grabic, Academic University of South Bohemia České Budějovice, Czech Republic, Pavel Horky, Researcher, Czech University of Life Sciences Prague, Czech Republic, Milos Buric, Researcher, University of South Bohemia České Budějovice, Czech Republic, Martin Blaha, Academic, University of South Bohemia České Budějovice, Czech Republic, Pavel Kozak, Dean of Faculty, University of South Bohemia České Budějovice, Czech Republic & Ondrej Slavik, Academic, Czech University of Life Sciences Prague, Czech Republic. Psychoactive Compounds in the Aquatic Environment and their Effects on Aquatic Organisms.
2. Dayhoum Al Bassel, Professor, Fayoum University, Egypt. On *Anahemiurus Microcercus* Manter, 1947 and *Podocotyloides Petalophallus* Yamaguti 1934 Trematodes from *Epinephelus Guaza* Marine Fish from Libya.
3. Pavel Horky, Researcher, Czech University of Life Sciences Prague, Czech Republic, Ondrej Slavik, Czech University of Life Sciences Prague, Czech Republic, Tomas Randak, University of South Bohemia in Ceske Budejovice, Czech Republic, Roman Grabic, University of South Bohemia in Ceske Budejovice, Czech Republic, Karel Douda, Czech University of Life Sciences Prague, Czech Republic & Katerina Grabicova, University of South Bohemia in Ceske Budejovice, Czech Republic. Citalopram at Environmentally Relevant Concentrations Alter Fish Behaviour.

**15:30-17:00 Session IX (Room B - 10<sup>th</sup> Floor): Climate Change & Other Issues**

**Chair:** Dawn Roberts-Semple, Assistant Professor, York College, The City University of New York, USA.

1. Majed Abu Zreig, Professor, IPDRE, Tottori University, Japan. Climate Change Mitigation Using on-Farm Rainfall Harvesting in Jordan.
2. Ahmad Al-Mutairi, Research Associate, Kuwait Institute for Scientific Research, Kuwait, Saif Uddin, Senior Research Scientist, Kuwait Institute for Scientific Research, Kuwait & Abdulnabi Al-Ghadban, Principal Research Scientist, Kuwait Institute for Scientific Research, Kuwait. Ocean Acidification and Ocean Warming in Arabian Gulf.
3. Mohammad Al-Murad, Associate Research Scientist, Kuwait Institute for Scientific Research, Kuwait. Contamination of Shallow Aquifer's from Oil Field Operation: An Example from Wafra Area, South Kuwait.
4. Montaha Behbehani, Associate Research Scientist, Kuwait Institute for Scientific Research, Kuwait, Saif Uddin, Senior Research Scientist, Kuwait Institute for Scientific Research, Kuwait & Abdulnabi Al-Ghadban, Principal Research Scientist, Kuwait Institute for Scientific Research, Kuwait. <sup>210</sup>Po Transfer across the Marine Food Chain: An Example from Arabian Gulf.
5. Ilkay Yavas, Lecturer, Adnan Menderes University, Turkey. Effects of Silicon Application on Growth and Some Physiological Characteristics of Salt-Stressed Faba Bean.

**20:00- 21:30 Dinner**

**Wednesday 18 July 2018  
Mycenae and Island of Poros Visit  
Educational Island Tour**

**Thursday 19 July 2018  
Delphi Visit**

**Friday 20 July 2018  
Ancient Corinth and Cape Sounion**

All ATINER's conferences are small events which serve the mission of the association (<https://www.atiner.gr/mission>) under the guidance of its Academic Committee (<https://www.atiner.gr/academic-committee>) which sets the policies (<http://www.atiner.gr/acceptance>). In addition, each conference has its own academic committee. Members of the committee include all those who have evaluated the abstract-paper submissions and have chaired the sessions of the conference. The members of the academic committee of the 2<sup>nd</sup> Annual International Symposium on Animal Science & Zoology, 16-19 July 2018, Athens, Greece, were the following:

1. Gregory T. Papanikos, President, ATINER.
2. Anthony Koutoulis, Director, Natural & Formal Sciences Division and Associate Dean Research, College of Sciences and Engineering, University of Tasmania, Australia.
3. Saif Uddin, Director, Center for Environmental Pollution, Climate & Ecology (CEPCE) & Senior Research Scientist, Kuwait Institute for Scientific Research, Kuwait.
4. Tomas de Jesus Guzman Hernandez, Professor and Researcher, Costa Rica Institute of Technology, Costa Rica.
5. Nadhir Al-Ansari, Professor, Lulea University of Technology, Sweden.
6. Majed Abu Zreig, Professor, IPDRE, Tottori University, Japan.
7. Tina Cartwright, Associate Professor, Marshall University, USA.
8. Dawn Roberts-Semple, Assistant Professor, York College, The City University of New York, USA.
9. Akbar Nikkhah, Distinguished Professor, Department of Animal Sciences, University of Zanjan, Zanjan, Iran.
10. Dolores Valentina Mariscal Aguayo, Academic Member, ATINER & Professor, Autonomous University Chapingo, Mexico.
11. Angelantonio Calabrese, Researcher, National Research Council, Water Research Institute (IRSA), Italy.

The Organizing Committee of the conference included the following:

12. Fani Balaska, Researcher, ATINER.
13. Olga Gkounta, Researcher, ATINER.
14. Eirini Lentzou, Administrative Assistant, ATINER.
15. Konstantinos Manolidis, Administrator, ATINER.
16. Kostas Spyropoulos, Administrator, ATINER.