



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



**5<sup>th</sup> Annual International Conference on Biology**  
as part of the [Annual International Conference on Natural Sciences](#)  
**15-18 July 2019, Athens, Greece**

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

**Conference Venue:** Titania Hotel, 52 Eleftheriou Venizelou (ex Panepistimiou) Street, Athens, Greece (close to metro station *Panepistimio*)

**Monday 15 July 2019**

**07:50-08:40 Registration and Refreshments**

**08:50-09:15 (Room A - 10<sup>th</sup> Floor): [Welcome and Opening Address](#) by Gregory T. Papanikos, President, ATINER.**

**09:15-11:00 Session I (Room B - 10<sup>th</sup> Floor): Global Concerns: Food Security and Climate Change**

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

1. Lal Almas, Associate Dean and Regents Professor, West Texas A&M University, USA, Hame Abdou Kadi Kadi, PhD Student, West Texas A&M University, USA & Bonnie Pendleton, Professor, West Texas A&M University, USA. Food Security Aspects in Niger - Challenges and Opportunities.
2. Javier M. Obando-Ulloa, Professor, Costa Rica Institute of Technology, Costa Rica, Stephanie Oviedo-Ortega, Student, Costa Rica Institute of Technology, Costa Rica & Tomás de Jesús Guzmán-Hernández, Professor, Costa Rica Institute of Technology, Costa Rica. Use of Thermal Solar Systems as a Tool for the Improvement of Pepper Blanching Process (*Piper nigrum* L.) to Reduce Greenhouse Gas Emissions.
3. Ahmed Alhuseen, Postdoctoral Fellow, Czech Academy of Sciences, Czech Republic, Pavel Cudlin, Head of Landscape Carbon Capture Department, Czech Academy of Sciences, Czech Republic, Mahmoud Makki, Senior Researcher, Institute of Economics and Agricultural Policies, Sudan, Mária Kozová, Chairperson, Catholic University, Slovakia & Ismail Ilsaifi, Dean of Faculty of Education, University of Gadarif, Sudan. Capacity Needs Assessment for National Adaptation Plan of Sudan.
4. Nosiseko Mashiyi, Remote Sensing Scientist, South African National Space Agency, South Africa & Mahlatse Kganyago, Remote Sensing Scientist, South African National Space Agency, South Africa. Role of Earth Observation in Agriculture and Food Security: AfriCultuReS Project.

**11:00-12:30 Session II (Room B - 10<sup>th</sup> Floor): Plant Physiology and Genetic Analyses**

**Chair:** Ibrahim Hassan, Professor, Alexandria University, Egypt.

1. Margarita Gisela Pena Ortega, Professor, Chapingo Autonomous University, Mexico, Jesus Axayacatl Cuevas Sanchez, Professor, Chapingo Autonomous University, Mexico, Juan Martinez Solis, Professor, Chapingo Autonomous University, Mexico & Araceli Munguia Mendez, Graduate Student, Chapingo Autonomous University, Mexico. Molecular Characterization of two Mexican Orchid Species (*Chysis bractescens* and *Rhyncholaelia glauca*) through ISSR.
2. Chung-Feng Kao, Assistant Professor, National Chung Hsing University, Taiwan, Hao-Ling Chu, Research Assistant, National Chung Hsing University, Taiwan, Jen-Ren Chen, Assistant Researcher, Taiwan Seed Improvement and Propagation Station, Taiwan & Chun-Ruei Cho, Undergraduate Student, National Chung Hsing University, Taiwan. Pathway and Network Analysis of Sex-Determination Genes in Papaya.
3. Juan Martinez Solis, Professor, Chapingo Autonomous University, Mexico. Use of Values of Germinated Wheat Seeds (*Triticum aestivum* L.) in the First Count in a

**12:30-14:00 Session III (Room B - 10<sup>th</sup> Floor): Water Quality & Pollution**

**Chair:** Juan Martinez Solis, Professor, Chapingo Autonomous University, Mexico.

1. Zheng Zheng, Professor, Fudan University, China & Qi Li, Student, Fudan University, China. Applying Eucalyptus to Eliminate Algae in Water.
2. Mohammad Al-Murad, Research Scientist, Kuwait Institute for Scientific Research, Kuwait & Saif Uddin, Senior Research Scientist, Kuwait Institute for Scientific Research, Kuwait. Assessment of Urbanization Impacts on Subsurface Groundwater Levels and Quality in Kuwait.
3. Qi Li, Student, Fudan University, China & Zheng Zheng, Professor, Fudan University, China. Response of Submerged Macrophytes and Periphyton Biofilm to Water Flow in Eutrophic Environment: Plant Structural, Physicochemical and Microbial Properties.

**14:00-15:00 Lunch**

**15:00-16:30 Session IV (Room B - 10<sup>th</sup> Floor): Earth Science**

**Chair:** Mohammad Al-Murad, Research Scientist, Kuwait Institute for Scientific Research, Kuwait.

1. Thanos Papanicolaou, Professor and Goodrich Endowed Chair of Excellence, University of Tennessee, USA. A Model for Knickpoint Migration in Small Alluvial Streams.
2. Massimo Moroni, Geologist, Georex srls – Radon Lab Service, Italy. Radon Risk Assessment for Urban Planning and GIS Data Processing.
3. Onur Alkac, PhD Student, Firat University, Turkey & Ercan Aksoy, Professor, Firat University, Turkey. Facies Analysis and Paleoenvironmental in Interpretation of Kirkgeçit Formation, East Anatolian, Turkey.

**16:30-17:30 Session V (Room B - 10<sup>th</sup> Floor): Biology**

**Chair:** Leonard Sciorra, Professor, Saint Peter's University, USA.

1. Sabry El-Naggar, Professor, Tanta University, Egypt. Beneficial Effect of Paclitaxel as a Tumor Priming Drug for Pancreatic Cancer Gene Therapy.
2. Gad Degani, Professor, MIGAL Galilee Research Institute, Israel. The Involvement of Hormones in Fish: Basic and Applied Aspects.

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

## Tuesday 16 July 2019

### 08:00-11:00 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)

### 11:15-13:00 Session VII (Room B - 10<sup>th</sup> Floor): Water: Management, Uses, and Law

**Chair:** Lal Almas, Associate Dean and Regents Professor, West Texas A&M University, USA.

1. Sabrina Joseph, Professor and Dean, School of Arts & Sciences, American University in Dubai, UAE. Water for Oil: Experts, British Colonial Authorities and the Formation of a Modern State: The Case of the Trucial States, 1930-1960s.
2. Yasar Selman Gultekin, Assistant Professor, Düzce University, Turkey. Stakeholder Analysis and Water Management Model for Melen River System and its Basin.
3. Mehmet Altingoz, PhD Student, University of Delaware, USA & Sebnem Sahin, Lead Development Economist, The World Bank, USA. Economic Consequences of Unsustainable Management of Transboundary Waters in South Asia: Lessons from the Indus Example.
4. Nicole Friedrich Neumann, Master Student, IHE Delft Institute for Water Education, The Netherlands & Jorge Manuel Rodrigues Tavares, Researcher, University of Lisbon, Portugal. Implementation of “Efficient Water Use” Concept in a Commercial Dairy Cattle Farm in Brazil.

### 13:00-14:30 Session VIII (Room B - 10<sup>th</sup> Floor): Special Topics

**Chair:** Nosiseko Mashiyi, Remote Sensing Scientist, South African National Space Agency, South Africa.

1. Silvia Salustiano, Professor, Federal Institute of Education, Science and Technology of Goiano, Brazil & Natalia Barbosa, Professor, University of Minho, Portugal. Efficiency and Subsidies: Mapping and Multidisciplinary Analysis.
2. Pinar Gultekin, Assistant Professor, Düzce University, Turkey. Evaluation of Soundscape in University Campuses: The Case Study of Düzce University.
3. Cosmin Vancea, Lecturer, Politehnica University Timisoara, Romania, Marius Jurca, Lecturer, Politehnica University Timisoara, Romania, Petru Negrea, Professor, Politehnica University Timisoara, Romania, Iosif Hulka, Researcher, Politehnica University Timisoara, Romania, Maria Mihailescu, Researcher, Politehnica University Timisoara, Romania, Alexia Balafa, Student, Politehnica University Timisoara, Romania & Adina Negrea, Associate Professor, Politehnica University Timisoara, Romania. Glass Foams Insulating Materials for Green Passive Buildings Adapted to the Current Climate Changes.

### 14:30-15:30 Lunch

### 15:30-16:30 Session IX (Room B - 10<sup>th</sup> Floor): Biotechnology & Plant Production

**Chair:** Javier M. Obando-Ulloa, Professor, Costa Rica Institute of Technology, Costa Rica.

1. Magali Mariani, Research Engineer, Pascal Paoli University of Corsica, France. Use of Biocatalytic Processes for Production of Value-Added Compounds from Vegetable Oils.
2. Radia Lourkisti, PhD Student, Pascal Paoli University of Corsica, France, Yann Froelicher, UMR Agap - Cirad, France, Jérémie Santini, Pascal Paoli University of Corsica, France & Liliane Berti, Professor, Pascal Paoli University of Corsica, France. Study of Tolerance to Low Temperature in Innovative Triploid Citrus Varieties and Monitoring of Primary Metabolism in Fruits.

## 16:30-18:30 Session X (Room B - 10<sup>th</sup> Floor): Plant Growth & Phytopathology

**Chair:** Silvia Salustiano, Professor, Federal Institute of Education, Science and Technology of Goiano, Brazil.

1. Ibrahim Hassan, Professor, Alexandria University, Egypt & Rehab El Dakak, Lecturer, Alexandria University, Egypt. Radish (*Raphanus sativus* L.) Cultivar-Specific Response to O<sub>3</sub>: Patterns of Biochemical and Plant Growth Characteristics.
2. Ofir Degani, Research Group Leader and Head Researcher, MIGAL Galilee Research Institute, Israel, Shlomit Dor, MIGAL Galilee Research Institute, Israel & Daniel Regev, MIGAL Galilee Research Institute, Israel. The Hidden Life of the Maize Pathogen, *Harpophora Maydis*.
3. Cheng-Yuan Lai, Master Student, National Chung Hsing University, Taiwan & Hsim-Mei Ku, Professor, National Chung Hsing University, Taiwan. Integrated Transcriptome and Network Analysis to Explore *Chenopodium Quinoa*-virus Interaction.
4. Lila Abidi, Teacher / Researcher, Djilali Bounaama University of Khemis Miliana, Algeria, Sid Ahmed Snoussi, Teacher / Researcher, Djilali Bounaama University of Khemis Miliana, Algeria & Maria Stela Bradea, Teacher / Researcher, University Saad Dahleb, Algeria. Effect of Seaweed Liquid Fertilizer on Chlorophyll Concentration and Growth of Tomato (*Solanum lycopersicum* L.).
5. Nadia Tirchi, Teacher / Researcher, Djilali Bounaama University of Khemis Miliana, Algeria, Ricardo Holgado, Research Professor, Norwegian Institute of Bioeconomy Research – Nibio, Norway & Aissa Mokabli, Teacher / Researcher, Djilali Bounaama University of Khemis Miliana, Algeria. Farmers Acquaintance on Management of Potato Cyst Nematodes *Globodera* spp. in the Province of Ain Defla in Algeria.

## 20:30-22:00 Dinner

**Wednesday 17 July 2019**  
**Mycenae and Island of Poros Visit**  
**Educational Island Tour**

**Thursday 18 July 2019**  
**Delphi Visit**

**Friday 19 July 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. Christopher Janetopoulos, Head, Biology Unit, ATINER & Associate Professor of Biological Sciences, University of the Sciences, USA.
3. Andriana Margariti, Head, Medicine Unit, ATINER & Senior Lecturer in Stem Cells and Vascular Diseases, Centre for Experimental Medicine, Queen's University Belfast, U.K.
4. Ibrahim Hassan, Professor, Alexandria University, Egypt.
5. Leonard Sciorra, Professor, Saint Peter's University, USA.

6. Juan Martinez Solis, Professor, Chapingo Autonomous University, Mexico.
7. Javier M. Obando-Ulloa, Academic Member, ATINER & Professor, Costa Rica Institute of Technology, Costa Rica.
8. Lal Almas, Associate Dean and Regents Professor, West Texas A&M University, USA.
9. Silvia Salustiano, Professor, Federal Institute of Education, Science and Technology of Goiano, Brazil.
10. Mohammad Al-Murad, Research Scientist, Kuwait Institute for Scientific Research, Kuwait.
11. Nosiseko Mashiyi, Remote Sensing Scientist, South African National Space Agency, South Africa.
12. Sophia Kelaini, Research Fellow, Queen's University Belfast, UK.
13. Olga Gkounta, Researcher, ATINER.