



11th Annual International Symposium on Agricultural Research, 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 - 10th Floor)

Gregory T. Papanikos, President, ATINER.

09:30-11:30 Session I (Room B - 10th Floor): Plant Physiology and Genetic Analyses

Chair: Cezary Sempruch, Associate Professor, Siedlce University of Natural Sciences and Humanities, Poland.

1. [Margarita Gisela Pena-Ortega](#), Professor and Researcher, Chapingo Autonomous University, Mexico, [Esteban Solórzano-Vega](#), Professor and Researcher, Chapingo Autonomous University, Mexico, [Juan Martinez Solis](#), Assistant Professor, Chapingo Autonomous University, Mexico & [Juan Eduardo Coeto](#), Undergraduate Student, Chapingo Autonomous University, Mexico. Molecular Characterization of *Vicia faba* L. Minor and Equina Subspecies Lines through ISSR Markers.
2. [Sholeh Ghollasimod](#), Associate Professor, University of Birjand, Iran. Comparative Mineral Elements Analysis and Nutritive Value Determination in Pistacia Atlantica Leaves.
3. [Juan Martinez Solis](#), Assistant Professor, Chapingo Autonomous University, Mexico, [Leticia Faustino Martinez](#), Graduate Student, Universidad Tecnológica de la Huasteca Hidalguense, Mexico, [Efrain Contreras Magaña](#), Assistant Professor, Chapingo Autonomous University, Mexico & [Cuauhtemoc Hernandez Cuellar](#), Assistant Professor, Universidad Tecnológica de la Huasteca Hidalguense, México. Effect of Sulfuric Acid on Seed Germination of *Capsicum Annuum* var. *Glabriusculum*.
4. [Makhosi Buthelezi](#), Researcher, Mangosuthu University of Technology, South Africa. Behavioural and Phylogenetic Relationships of the Groundnut Leaf Miner (*Aproaerema* spp.) in South Africa, Mozambique, India and Australia.

11:30-13:30 Session II (Room B - 10th Floor): Plant Production and Technologies

Chair: Margarita Gisela Pena-Ortega, Professor and Researcher, Chapingo Autonomous University, Mexico.

1. Cezary Sempruch, Associate Professor, Siedlce University of Natural Sciences and Humanities, Poland, Marta Chwedczuk, Siedlce University of Natural Sciences and Humanities, Poland, Leszczyński Bogumil, Professor, Siedlce University of Natural Sciences and Humanities, Poland, Czerniewicz Pawel, Siedlce University of Natural Sciences and Humanities, Poland, Becher Marcin, Associate Professor, Siedlce University of Natural Sciences and Humanities, Poland & Chrzanowski Grzegorz, Associate Professor, Siedlce University of Natural Sciences and Humanities, Poland. Biochemical Factors Affecting Bird Cherry-Oat Aphid Feeding Sites on Oat.
2. Silvia Salustiano, Professor, Instituto Federal Goiano, Brazil, Natália Barbosa, Professor, University of Minho, Portugal & Tito Moreira, Professor, Catholic University of Brasilia, Brazil. Do Subsidies Drive Technical Efficiency? The Case of Portuguese Firms in the Agribusiness Sector.
3. Tomas de Jesus Guzman Hernandez, Professor and Researcher, Costa Rica Institute of Technology, Costa Rica, Freddy Araya Rodriguez, Professor and Researcher, Costa Rica Institute of Technology, Costa Rica, Guillermo Castro Badilla, Instructor, Costa Rica Institute of Technology, Costa Rica, Javier Obando Ulloa, Researcher, Costa Rica Institute of Technology, Costa Rica & Cristian Moreira Segura, Associate Professor, Costa Rica Institute of Technology, Costa Rica. Application of Passive and Active Solar Thermal Technologies as an Alternative to Traditional Drying Systems in Agricultural Production Units in the Northern Region of Costa Rica.
4. Omer Baris Ozluoyamak, Electrical and Electronics Engineer, Çukurova University, Turkey, Ali Bolat, Agricultural Engineer, Eastern Mediterranean Agricultural Research Institute, Turkey, Ali Bayat, Head, Department of Agricultural Machinery and Technologies Engineering, Çukurova University, Turkey & Emin Guzel, Professor, Çukurova University, Turkey. Determination of Spraying Deposit Distributions of a Vision-based Real-Time Weed Detection and Control System.

13:30-14:30 Lunch

14:30-16:30 Session III (Room B - 10th 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 - 10th 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 - 10th 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 - 10th Floor): Special Topics

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 - 10th 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 - 10th 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. ²¹⁰Po 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 11th Annual International Symposium on Agricultural Research, 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. Margarita Gisela Pena-Ortega, Professor and Researcher, Chapingo Autonomous University, Mexico.
5. Tomas de Jesus Guzman Hernandez, Professor and Researcher, Costa Rica Institute of Technology, Costa Rica.
6. Majed Abu Zreig, Professor, IPDRE, Tottori University, Japan.
7. Cezary Sempruch, Associate Professor, Siedlce University of Natural Sciences and Humanities, Poland.
8. Nadhir Al-Ansari, Professor, Lulea University of Technology, Sweden.
9. Dawn Roberts-Semple, Assistant Professor, York College, The City University of New York, USA.
10. FeiBo Wu, Professor & Deputy Director, Institute of Crop Science, College of Agriculture & Biotechnology, Zhejiang University, China.
11. Sinan Ogun, Academic Member, ATINER & Head, RR Research & Development Ltd., Turkey.

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.