



Athens Institute for Education and Research

First Annual International Conference on Biology, 22-25 June 2015, Athens, Greece

Organized by ATINER's **Natural & Formal Sciences Research Division**

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

Monday 22 June 2015

(all sessions include 10 minutes break)

08:30-09:00 Registration and Refreshments

09:00-09:30 (ROOM B) Welcome & Opening Remarks

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

09:30-11:30 Session I (ROOM B): Organismic and Environmental Biology I

Chair: George Poulos, Vice-President of Research, ATINER & Emeritus Professor, University of South Africa, South Africa.

1. [Awatef Ali](#), Professor, Alexandria University, Egypt, [Nawal El-Ghazaly](#), Alexandria University, Egypt, [Samir Dekinesh](#), Alexandria University, Egypt, [Sanaa Ahmed](#), Alexandria University, Egypt & [Azza Sedky](#), Alexandria University, Egypt. Hepato-Toxicity of Gasoline as an Environmental Pollutant on Albino Mice.
2. [Aaron Bunker](#), Assistant Professor, Morningside College, USA & [Jeremy Schneider](#), Assistant Professor, Morningside College, USA. Once Upon a Time in a Biology Class.
3. [Ermira Hoxhaj](#), Lecturer, Universiteti "Luigj Gurakuqi" Shkoder, Albania & [Zyri Barjami](#), Universiteti "Luigj Gurakuqi" Shkoder, Albania. Index of Opportunity for Natural Selection for Total Koplík Population and its Surroundings and also for its Autochthonous Tribes.
4. *[J. Reid Schwebach](#), Coordinator, Accelerator Program and Biology Department, George Mason University, USA. Advancing Graduate Education and Faculty Development with Discipline Based Education Research and the SIMPLE Framework: Creation and Implementation of Innovative and Engaging Teaching Strategies in a Biology Department.
5. [Kwang Jin Kim](#), Senior Researcher, National Institute of Horticultural and Herbal Science, Korea, [Md. Khalekuzzaman](#), National Institute of Horticultural and Herbal Science, Korea, [Eun Ha Yoo](#), National Institute of Horticultural and Herbal Science, Korea, [Hyeon Ju Kim](#), National Institute of Horticultural and Herbal Science, Korea, [Hyun Hwan Jung](#), National Institute of Horticultural and Herbal Science, Korea & [Hye Sook Jang](#), National Institute of Horticultural and Herbal Science, Korea. Phytoremediation of VOCs: Improvement of Indoor Air Quality by Potted Plants.

11:30-13:30 Session II (ROOM B): Genetics, Molecular and Developmental Biology I

Chair: *J. Reid Schwebach, Coordinator, Accelerator Program and Biology Department, George Mason University, USA.

1. Soad Hamed, Associate Professor, Helwan University, Egypt, Hatem A. El-mezayen, Helwan University, Egypt, Mohamed Mohei, Cairo University, Egypt & Mahmoud Abdelrahman, Helwan University, Egypt. Clinical Utility of Interleukin 17 in the Assessment of Hepatic Fibrosis in Schistosoma/hepatitis C Coinfected Patients: Its Role in Extracellular Remodeling.
2. *Katerina Lazidou, Ph.D. Student, University of Reading, U.K., D. Charalampopoulos, University of Reading, U.K. & K. Watson, University of Reading, U.K. Optimizing Enzyme Behaviour through Protein Engineering.
3. Tatyana Zykova (Vatolina), Research Worker, Institute of Molecular and Cellular Biology of the Siberian Branch of the Russian Academy of Sciences, Russia, Darya Demidova, Research worker, Student, Victor Levitsky, Research Worker, Varvara Khoroshko, Research Worker, Elena Belyaeva, Main Research Worker & Igor Zhimulev, Main Research Worker, Institute of Molecular and Cellular Biology of the Siberian Branch of the Russian Academy of Sciences, Russia. Molecular and Genetic Structure of Polytene Chromosome Banding Pattern in *Drosophila Melanogaster*.
4. Mai Abdul Rahman, Graduate Student, The American University in Cairo & Asma Amleh, Assistant Professor, The American University in Cairo, Egypt. Mouse Testis-derived Mesenchymal Stromal Cells: Isolation, Propagation and Characterization.
5. Heba Shawer, Graduate Student, American University in Cairo, Egypt, Aya El Serw, Undergraduate Student, American University in Cairo, Egypt, Basel Refky, Lecturer, Mansoura Oncology Center, Egypt & Asma Amleh, Assistant Professor, American University in Cairo, Egypt. The Expression Pattern of Mirna-590-3P in Epithelial Ovarian Cancer is a Potential Biomarker for Ovarian Cancer Patients.

13:30-14:30 Lunch

14:30-16:30 Session III (ROOM B): Morphology – Physiology I

Chair: *Ludmil Benov, Professor, Kuwait University, Kuwait.

1. Nadezhda Goncharova, Head, Research Institute of Medical Primatology, Russia & Olga Chigarova, Graduate Student, Research Institute of Medical Primatology, Russia. Individual and Age-Related Differences of Stress Responsiveness of the Hypothalamic-Pituitary-Adrenal Axis and its Vasopressinergic Regulation in Monkeys.
2. Mahmoud Al-Shawabkeh, Assistant Professor, Applied Sciences University, Jordan. Evaluation of Novel Compound Benzoylphenyl -Indole-Carboxamide Effect on Hyperlipidemic and Hyperglycemic Rat.
3. Anila Mesi (Dizdari), Associate Professor, University of Shkodra “Luigj Gurakuqi”, Albania & Ditika Kopliku, Associate Professor, University of Shkodra “Luigj Gurakuqi”, Albania. Physiological Feedback and Tolerance of *Vicia Faba* L. to Cadmium and Zinc and Their Interactions.

16:30-18:30 Session IV (ROOM B): Special Topics in Biology

Chair: Nadezhda Goncharova, Head, Research Institute of Medical Primatology, Russia.

1. *Ludmil Benov, Professor, Kuwait University, Kuwait. Metalloporphyrins and the Fight against Drug-Resistant Pathogens.
2. *[Lijuan Qiu](#), Vice Dean, Institute of Crop Science, Chinese Academy of Agricultural Sciences, China, Ying-hui Li, Chinese Academy of Agricultural Sciences, China, Jianxin Ma, Purdue University, USA, Guangyu Zhou, Novogene Bioinformatics Institute, China, Scott Jackson, University of Georgia, USA & Ruiqiang Li, Novogene Bioinformatics Institute, China. Genomic Diversity and Domestication of Soybean.
3. [Wen-Li Chen](#), Professor, Huazhong Agricultural University, China, Ju-Yuan Zhang, Postdoc, Huazhong Agricultural University, China, Xue-Mei Deng, Master Student, Huazhong Agricultural University, China, Feng-Pu Li, Master Student, Huazhong Agricultural University, China, Li Wang, Associate Professor, Huazhong Agricultural University, China, Qiao-Yun Huang, Professor, Huazhong Agricultural University, China & Cheng-Cai, Professor, Aix-Marseille Université and CNRS, Laboratoire de Chimie Bactérienne - UMR7283, France. RNase E Forms a Complex with Polynucleotide Phosphorylase in Cyanobacteria via a Cyanobacterial-Specific Nonapeptide in the Noncatalytic Region.

18:30-20:30 Session V (ROOM C): A Round-Table Discussion on The Future of Technology and Engineering Education

Chair: Dr Lampros Pyrgiotis, Independent Researcher; President, Greek Society of Regional Scientists, Greece.

1. Dr Jong-Rong Chen, Professor, National Central University, Taiwan.
2. Dr Don Clucas, Senior Lecturer, University of Canterbury, New Zealand.
3. Dr Patrick van der Duin, Assistant Professor, Delft University of Technology, the Netherlands.
4. Dr Konstadinos Goulias, Professor, University of California Santa Barbara, USA.
5. Dr Till Hanisch, Professor, BW State University, Germany.
6. Dr Theo van Niekerk, Professor, Nelson Mandela Metropolitan University, South Africa.
7. Dr Theodore Trafalis, Head, Industrial Research Unit, ATINER & Professor of Industrial and Systems Engineering, The University of Oklahoma, USA.
8. [Dr Themistoklis Xanthopoulos, Professor Emeritus & former Rector, National Technical University of Athens \(NTUA\), Greece.](#)
9. Dr Jin Zhouying, Director, Chinese Academy of Social Sciences, China.

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

Tuesday 23 June 2015

09:00-11:00 Session VI (ROOM B): Organismic and Environmental Biology II

Chair: Christopher Janetopoulos, Associate Professor, University of the Sciences, USA.

1. Joan Gaston Zamora-Abrego, Professor, Universidad Nacional de Colombia, Colombia & Angela Maria Ortega-Leon, Professor, Universidad de Cordoba, Colombia. Current Conservation Status of the American Crocodile, *Crocodylus acutus* (Cuvier, 1807), in the National Natural Park Paramillo, at Córdoba-Colombia.
2. Jonathan Holz, Assistant Professor, D'Youville College, USA, Eric Beier & J. Edward Puzas, D'Youville College, USA. Effects of Lead Deposition on the Musculoskeletal System.
3. *Mohammadjavad Seghatoleslami, Associate Professor, Islamic Azad University, Birjand Branch, Iran & Omid Ashrafi, Former M.Sc. Student, Islamic Azad University, Birjand Branch, Iran. Intercropping of Two Medicinal Plants (Ajowan and Cumin), an Approach to Sustainable Agriculture.
4. *Hassan Feizi, Assistant Professor, University of Torbat-e-Heydarieh, Iran, Hossein Sahabi, PhD Student, University of Torbat-e-Heydarieh, Iran & Abdollah Mollafilabi, PhD, Research institute of Food Science and Technology, Mashhad, Iran. Response of Saffron (*Crocus sativus L.*) to Summer Irrigation and Conservation Tillage in Iran.
5. Ditika Kopliku, Associate Professor, University of Shkodra "Luigi Gurakuqi", Albania & Anila Mesi (Dizdari), Associate Professor, University of Shkodra "Luigi Gurakuqi", Albania. Potential Mutagenic Activity of Leachate from a Municipal Solid Waste Landfill on Two Higher Plants.
6. Hossein Sahabi, PhD Student, University of Torbat-e-Heydarieh, Iran, Hassan Feizi, Assistant Professor, University of Torbat-e-Heydarieh, Iran & Alireza Karbasi, Associate Professor, Department of Agricultural Economy, Ferdowsi University of Mashhad, Iran. Agronomic and Economic Evaluation of Saffron and Wheat Crop Production Systems in Torbat-e-heydarieh, Iran.

11:00-12:30 Session VII (ROOM B): Morphology – Physiology II

Chair: *Mohammadjavad Seghatoleslami, Associate Professor, Islamic Azad University, Birjand Branch, Iran

1. *Witness Mojeremane, Associate Professor, Botswana College of Agriculture, Botswana, Thembinkosi Mathowa, Technician, Botswana College of Agriculture, Botswana, Patrick Jane, Undergraduate Student, Botswana College of Agriculture, Botswana, Christopher Mpofo, Junior Researcher, Botswana College of Agriculture, Botswana & Gabatshele Mbona Legwaila, Senior Lecturer, Botswana College of Agriculture, Botswana. Germination and Seedling Emergence Studies in Nyala Tree (*Xanthocercis Zambesiaca Baker*).
2. Carmen Liliana Badarau, Researcher and Lecturer, National Institute of Research and Development for Potato and Sugar Beet Brasov and Transilvania University of Brasov, Romania, Florentina Damsa, Researcher, National Institute of Research and Development for Potato and Sugar Beet Brasov, Romania, Nistor Andreea & Chiru Nicoleta, National Institute of Research and Development for Potato and Sugar Beet Brasov, Romania. Effects of Some Electrotherapy Treatments of Pvx and Pvy Infected Potato Plantlets Cv. Roclas, on the Chlorophyll and Anthocyanin Content of Regenerated Plants.
3. Seyyed Gholamreza Moosavi, Associate Professor, Islamic Azad University, Birjand Branch, Iran, Saeed Ghanbari, Former Master Student, Islamic Azad University, Birjand Branch, Iran & Hamid Reza Zabihi, Assistant Professor, Islamic Azad University, Birjand Branch, Iran. The Effect of Plant Growth Promoting Rhizobacteria (PGPR) and Zinc Fertilizer on the Yield and Agronomic Traits of Maize under Water Deficit Stress Condition.

12:30-14:00 Session VIII (ROOM B): Genetics, Molecular and Developmental Biology II

Chair: Alejandra Soto-Estrada, Senior Research Professor, Colegio de Postgraduados, Campus Veracruz, Mexico.

1. Christopher Janetopoulos, Associate Professor, University of the Sciences, USA. The Spatial and Temporal Regulation of PI(4,5)P2 Is Critical for Symmetry Breaking in Cell Division and Migration.
2. Maliheh Entezari, Assistant Professor, Department of Genetics, Tehran Medical Sciences Branch, Islamic Azad University, Tehran, Iran & Shida Kazemi, Student, Department of Medicine, Tehran Medical Sciences Branch, Islamic Azad University, Tehran, Iran. Anticancer Effects of Triterpenoid Extracted from *Glycyrrhiza Glabra* Root on Human Breast Cancer Cell Line
3. Mehrdad Hashemi, Associate Professor, Department of Genetics, Tehran Medical Sciences Branch, Islamic Azad University, Tehran, Iran & Shaghayegh Karimi, Student, Department of Genetics, Tehran Medical Sciences Branch, Islamic Azad University, Tehran, Iran. Apoptotic Effects of Glycyrrhetic Acid in Human Lung Carcinoma.

14:00-15:00 Lunch

15:00-16:30 Session IX (ROOM B): Morphology – Physiology III

Chair: Mahmoud Al-Shawabkeh, Assistant Professor, Applied Sciences University, Jordan.

1. Lan Jiang, Assistant Professor, Oakland University, USA. *Drosophila Expansion* Gene Controls Trachea Tube Size.
2. Alejandra Soto-Estrada, Senior Research Professor, Colegio de Postgraduados, Campus Veracruz, Mexico & Catarino Avila-Resendiz, Associate Research Professor, Colegio de Postgraduados, Campus Veracruz, Mexico. Floral Biology of Female and Hermaphrodite Plants from Mexican Native Papaya.
3. *Reza Yousefi, Associate Professor, Shiraz University, Iran. The Pleiotropic Preventive Effects of Curcumin in Diabetes Mellitus; The Insights into Attenuation of Postprandial Hyperglycemia and Downstream Molecular Events.
4. Caroline Berardi Chaibub, Student, Unifenas, Brazil, Maria Lucia, Unifenas, Brazil, Evelise Aline Soares, Unifenas, Brazil, Paul Cesar Garcia Naves, Unifenas, Brazil & Jose Antonio Dias Garcia, Unifenas, Brazil. Influence of Urutu (*Bothrops Alternatus*) Venom in the Lipid Profile in Dyslipidemic Rats.

16:30-19:00 Urban Walk (Details during registration)

20:30- 22:00 Dinner (Details during registration)

Wednesday 24 June 2015
Cruise: (Details during registration)

Thursday 25 June 2015
Delphi Visit: (Details during registration)