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# **Front Pages**

**JOSE LUIS TIEDEMANN** 

Net Aerial Primary Productivity Models for Alfalfa Varieties (Medicago sativa L.) Derived from the Red Vegetation Index

MAGED M.A. HUSSEIN

Mean Daily Variability of Energy Fluxes Above Alexandria Eastern Harbor

ELLENE TRATRAS CONTIS & BATOUL ABDALLAH

**Sustaining Solutions in Undergraduate STEM Education** 

YERIZON YERIZON & ATUS AMADI PUTRA

The Effect of Various Learning Approaches on Mathematical Learning Outcomes based on the Multiple Intelligences of Students

# Athens Journal of Sciences

*Published by the Athens Institute for Education and Research (ATINER)* 

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- Dr. Christopher Janetopoulos, Head, <u>Biology Unit</u>, ATINER & Associate Professor, University of the Sciences, USA.(Biology)
- Dr. Ethel Petrou, Academic Member, ATINER & Professor and Chair, Department of Physics, Erie Community College-South, State University of New York, USA.
- Dr. Ellene Tratras Contis, Head, <u>Chemistry Unit</u>, ATINER & Professor of Chemistry, Eastern Michigan University, USA.(Chemistry)

#### Editorial & Reviewers' Board

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The *Athens Journal of Sciences (AJS)* is an Open Access quarterly double-blind peer reviewed journal and considers papers from all areas of Natural & Formal Sciences, including papers on agriculture, computer science, environmental science, materials science, transportation science, chemistry, physics, mathematics and statistics, biology, geography, and earth science (geology, oceanography, astronomy, meteorology). Many of the papers published in this journal have been presented at the various conferences sponsored by the <a href="Natural & Formal Sciences Division">Natural & Formal Sciences Division</a> of the Athens Institute for Education and Research (ATINER). All papers are subject to ATINER's <a href="Publication Ethical Policy and Statement">Publication Ethical Policy and Statement</a>.

# The Athens Journal of Sciences ISSN NUMBER: 2241-8466- DOI: 10.30958/ajs Volume 8, Issue 3, September 2021 Download the entire issue (PDF)

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# President's Message

All ATINER's publications including its e-journals are open access without any costs (submission, processing, publishing, open access paid by authors, open access paid by readers etc.) and is independent of presentations at any of the many small events (conferences, symposiums, forums, colloquiums, courses, roundtable discussions) organized by ATINER throughout the year and entail significant costs of participating. The intellectual property rights of the submitting papers remain with the author. Before you submit, please make sure your paper meets the basic academic standards, which includes proper English. Some articles will be selected from the numerous papers that have been presented at the various annual international academic conferences organized by the different divisions and units of the Athens Institute for Education and Research. The plethora of papers presented every year will enable the editorial board of each journal to select the best, and in so doing produce a top-quality academic journal. In addition to papers presented, ATINER will encourage the independent submission of papers to be evaluated for publication.

The current issue is the third of the eighth volume of the *Athens Journal* of *Sciences (AJS)*, published by <u>Natural & Formal Sciences Division</u> of ATINER.

Gregory T. Papanikos, President, ATINER.



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# A World Association of Academics and Researchers

## 10<sup>th</sup> Annual International Conference on Chemistry 18-21 July 2022, Athens, Greece

The Chemistry Unit of ATINER, will hold its 10<sup>th</sup> Annual International Conference on Chemistry, 18-21 July 2022, Athens, Greece sponsored by the Athens Journal of Sciences. The aim of the conference is to bring together academics and researchers of all areas of chemistry and other related disciplines. You may participate as stream organizer, presenter of one paper, chair a session or observer. Please submit a proposal using the form available (https://www.atiner.gr/2022/FORM-CHE.doc).

# **Academic Members Responsible for the Conference**

• **Dr. Ellene Tratras Contis**, Head, Chemistry Unit, ATINER & Professor of Chemistry, Eastern Michigan University, USA.

### **Important Dates**

• Abstract Submission: 20 December 2021

• Acceptance of Abstract: 4 Weeks after Submission

• Submission of Paper: 20 June 2022

# **Social and Educational Program**

The Social Program Emphasizes the Educational Aspect of the Academic Meetings of Atiner.

- Greek Night Entertainment (This is the official dinner of the conference)
- Athens Sightseeing: Old and New-An Educational Urban Walk
- Social Dinner
- Mycenae Visit
- Exploration of the Aegean Islands
- Delphi Visit
- Ancient Corinth and Cape Sounion

#### **Conference Fees**

Conference fees vary from 400€ to 2000€ Details can be found at: <a href="https://www.atiner.gr/fees">https://www.atiner.gr/fees</a>



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- **Dr. Ethel Petrou**, Academic Member, ATINER & Professor and Chair, Department of Physics, Erie Community College-South, State University of New York, USA.
- **Dr. Bala Maheswaran**, Head, Electrical Engineering Unit, ATINER & Professor, Northeastern University, USA.

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