



# *Athens Journal of Sciences*

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New Insights from Douala, Cameroon**

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**Evaluation of Physicochemical Characteristics of Surface Water  
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Python**

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**How Ontic Structural Realism would Formalize Scientific  
Progress**

# Athens Journal of Sciences

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

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- Dr. Christopher Janetopoulos, Head, [Biology Unit](#), 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, [Chemistry Unit](#), ATINER & Professor of Chemistry, Eastern Michigan University, USA.(Chemistry)

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*ATINER is an Athens-based World Association of Academics and Researchers based in Athens. ATINER is an independent and non-profit Association with a Mission to become a forum where Academics and Researchers from all over the world can meet in Athens, exchange ideas on their research and discuss future developments in their disciplines, as well as engage with professionals from other fields. Athens was chosen because of its long history of academic gatherings, which go back thousands of years to Plato's Academy and Aristotle's Lyceum. Both these historic places are within walking distance from ATINER's downtown offices. Since antiquity, Athens was an open city. In the words of Pericles, Athens "...is open to the world, we never expel a foreigner from learning or seeing". ("Pericles' Funeral Oration", in Thucydides, The History of the Peloponnesian War). It is ATINER's mission to revive the glory of Ancient Athens by inviting the World Academic Community to the city, to learn from each other in an environment of freedom and respect for other people's opinions and beliefs. After all, the free expression of one's opinion formed the basis for the development of democracy, and Athens was its cradle. As it turned out, the Golden Age of Athens was in fact, the Golden Age of the Western Civilization. Education and (Re)searching for the 'truth' are the pillars of any free (democratic) society. This is the reason why Education and Research are the two core words in ATINER's name.*

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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 [Natural & Formal Sciences Division](#) of the Athens Institute for Education and Research (ATINER). All papers are subject to ATINER's [Publication Ethical Policy and Statement](#).

The Athens Journal of Sciences

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The current issue is the second of the eighth volume of the *Athens Journal of Sciences (AJS)*, published by [Natural & Formal Sciences Division](#) of ATINER.

Gregory T. Papanikos, President, ATINER.



## Athens Institute for Education and Research

*A World Association of Academics and Researchers*

### 9<sup>th</sup> Annual International Conference on Chemistry 19-22 July 2021, Athens, Greece

The [Chemistry Unit](#) of ATINER, will hold its **9<sup>th</sup> Annual International Conference on Chemistry, 19-22 July 2021, 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/2021/FORM-CHE.doc>).

#### Academic Members Responsible for the Conference

- **Dr. Ellene Tratras Contis**, Head, Chemistry Unit, ATINER & Professor of Chemistry, Eastern Michigan University, USA.
- **Dr. Nicolas Abatzoglou**, Head, Environment Unit, ATINER & Professor, Department of Chemical & Biotechnological Engineering, University of Sherbrook, Canada, Chair Pfizer, PAT in Pharmaceutical Engineering, Director GREEN-TPV and GRTP-C & Pwelcomes.

#### Important Dates

- Abstract Submission: **7 June 2021**
- Acceptance of Abstract: 4 Weeks after Submission
- Submission of Paper: **21 June 2021**

#### 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: <https://www.atiner.gr/2021fees>



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#### Academic Member Responsible for the Conference

- **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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