

# Athens Institute for Education and Research

## 19<sup>th</sup> Annual International Symposium on Environment 15-18 July 2024, Athens, Greece

### *Provisional List of Papers Accepted and Registered to be Presented (Listed by Presenter's Surname) and Other Attendees*

Note: This list includes only those who have registered for the conference (i.e., those who have paid the registration fee).

It does not include those who have received an acceptance letter but who have not yet sent in their registration form. Please also note that all ATINER's events (conferences, symposiums, public lectures, etc) are small academic events organized to serve ATINER's mission and policy. Please review them so you know what to expect from ATINER.

The list will be updated weekly. This current version was produced on 30 May 2024.

#### **Papers to be presented:**

1. Nadhir Al-Ansari, Professor, Lulea University of Technology, Sweden & Varoujan Sissakian, Chief Researcher, Komar University of Science and Technology, Iraq. Geo-Hydro-Politics of Water Resources in Iraq.
2. Al-Hasan Abdulwahid, PhD Student, University of Otago, New Zealand. Advancing the Shift: Hydrogen-Diesel Dual Fuel Heavy Vehicles as Catalysts for the Transition to a Hydrogen Fuel Cell-Driven Heavy Fleet.
3. \*Gaetan Balan, Associate Professor, Lyon Catholic University, France. Insular States and Sea Level Rising: A Climate Change Perspective.
4. \*Carmelia Mariana Balanica Dragomir, Associate Professor, "Dunărea de Jos" University of Galați, Romania. Green Taxes and Their Impact on Romanian's Economy Compared to Investments for Air and Climate Protection.
5. Kanoktip Boonkerd, Associate Professor, Chulalongkorn University, Thailand, Janyarak Trakuldeea, Graduate Student, Chulalongkorn University, Thailand & Apinya Krainoi, PhD Student, Chulalongkorn University, Thailand. Development of Environmentally Friendly Bio-based Composite for Using as Water Swellable Rubber.
6. Paul Bovitz, Principal Ecologist, Kleinfelder, Inc., USA. Sources of Uncertainty in Ecological Risk Assessment.
7. Adel Elomri, Associate Professor, Hamad Bin Khalifa University (HBKU), Qatar. Modeling Water Resource Management in Qatar: Perspectives from System Dynamics. (*Monday*)
8. Teodoro Georgiadis, Senior Research Associate, CNR - IBE, Italy, Letizia Cremonini, Researcher, CNR - IBE, Italy, Marianna Nardino, Researcher, CNR - IBE, Italy, Daniela Famulari, Researcher, CNR - IBE, Italy, Cristina Siligardi, Professor, UNIMORE, Italy & Erika Iveth Cedillo Gonzalez, Researcher, UNIMORE, Italy. A Methodological Proposal for the Characterization of Building Heritage from the Second Twentieth Century for Renovation Purposes.
9. Yasar Selman Gultekin, Associate Professor, Düzce University, Türkiye & Pinar Gültekin, Associate Professor, Düzce University, Türkiye. Evaluation of Ecosystem Services and Potential of Social Innovation in Marginalised Mountainous Areas of Western Black Sea Region.
10. Rabson Hove, Postdoctoral Fellow, University of South Africa, South Africa. Eco-Theology: Reimagining the Image of God in the Context of Creation and Care in Africa.
11. Joanna Jedruszkiewicz, Assistant Professor, University of Lodz, Poland, Piotr Piotrowski, Assistant Professor, University of Lodz, Poland & Joanna Wibig, Professor, University of Lodz, Poland. The Relation between Atmospheric Circulation and Heat, Cold Wave Formation in Poland. The Role of the Arctic Amplification.

12. Michal Kaczmarczyk, Assistant Professor, AGH University of Krakow, Poland. Effect of the Building's Energy Demand Calculation Methodology on the Proper Assessment of Its Environmental Impact.
13. Helen Kavvadia, Adjunct Professor and Researcher, ESSCA School of Management and University of Luxembourg, Luxembourg. Bold or Bond: Understanding the European Investment Bank's Pivot into a Climate Bank.
14. Joanna Klimowicz, Associate Professor, Warsaw University of Technology, Poland & Elżbieta Dagny Ryńska, Professor, Warsaw University of Technology, Poland. Steps to Implement Green Technologies in the Construction Industry. Case Study: Poland.
15. \*Beatrice La Porta, Research Fellow, University of Palermo, Italy. Innovative Legal Frameworks for Advancing Sustainability: A Case Study in the Wine Sector.
16. Shaylyn Lewis, Graduate Student, Dalhousie University, Canada. The Development of a Sustainable Amphiphilic Antibiofouling Solution.
17. Bingham Li, Postgraduate Student, Southwest Petroleum University, China. Climate Change Litigation and Causation: Joining Law and Climate Science.
18. Wesley Mathis, PhD Student, Utah State University, USA. Trust in Public Trust Lands: Analyzing Stakeholder Perceptions of the Bear Lake Comprehensive Management Plan and its Kairoi.
19. Juan Mejia-Fragoso, MSc Student, Industrial University of Santander, Colombia, Rocio Bernal-Olaya, Professor, Industrial University of Santander, Colombia & José Sanabria-Gómez, Industrial University of Santander, Colombia. Identification of a Potential Geothermal Resource in Colombia through the Application of Geoelectric Methods at the Aguas de Vichy Spring in the Municipality of San Andrés, Santander.
20. Meredith Metcalf, Professor, Eastern Connecticut State University, USA. Evaluation of Arsenic Contamination in Groundwater from Historical Agricultural Practices in the Northeastern United States.
21. Petruta Oancea, Assistant Professor, University of Bucharest, Romania, Adina Raducan, Head, Department of Analytical and Physical Chemistry, University of Bucharest, Romania & Dragos Baltag, Student, University of Bucharest, Romania. Photocatalytic Degradation of Orange G by TiO<sub>2</sub> Supported on Activated Carbon from Spent Coffee Grounds.
22. Sirilux Poompradub, Associate Professor, Chulalongkorn University, Thailand. Composite Materials for Carbon Capture and Utilization.
23. Ravindra Pratap, Professor & Dean, Faculty of Legal Studies, South Asian University, India. The 2023 Indus Waters Treaty Arbitration between India and Pakistan: A Critical Appraisal.
24. Hardy Pundt, Professor, Harz University of Applied Studies, Germany, Nawras Shatnawi, Professor, Al Balqa University Applied Sciences, Jordan, Andrea Heilmann, Professor, Harz University of Applied Studies, Germany & Hiba Al-Kharabsheh, Professor, Al Balqa University Applied Sciences, Jordan. Rainwater Harvesting in Arid Regions: An Integrative Approach Aiming at Adapting to Climate Change.
25. Adina Raducan, Head, Department of Analytical and Physical Chemistry, University of Bucharest, Romania, Petruta Oancea, Associate Professor, University of Bucharest, Romania, Mirabela Soare, PhD Student, University of Bucharest, Romania & Maria Balan, Student, University of Bucharest, Romania. Oxidation of Epirubicin by Chemical, Photochemical and Enzymatic Methods. A Comparative Study.
26. \*Gabriele Redigonda, PhD Candidate, University of Florence, Italy. Monitoring GHG Emissions: Legal Reflections on The Use of New (Space) Technologies.
27. Charlotte Semaille, PhD Student, University of East Anglia, UK. Locus Standi in Climate Change Litigation: A Tort Law Approach and the Way Forwards.
28. Yongxia Sun, Professor, Institute of Nuclear Chemistry and Technology (INCT), Poland. Degradation of Chloroquine in Aqueous Solution by Electron Beam (EB) Advanced Oxidation/Reduction Process and EB-Catalytic Process.
29. Varoujan Sissakian, Chief Researcher, Komar University of Science and Technology, Iraq & Nadhir Al-Ansari, Professor, Lulea University of Technology, Sweden. Industrial Assessment of the Exposed Rocks on Peris Anticline Kurdistan Region of Iraq for Cement Industry.
30. Brij Tewari, Professor, University of Guyana, Guyana & Dale Edwards, Graduate Student, University of Guyana, Guyana. Novel Ferrate (VI) Technology in Water and Wastewater Treatment.

31. Jeng-Wei Tsai, Professor, National Pingtung University of Science and Technology/Graduate Institute of Bioresources, Taiwan. Optical Properties of Dissolved Organic Matter as Indicators for Assessing Heavy Metal Speciation in Mangrove-Dominated Estuarine Ecosystems.
32. Weihua Zhang, Research Scientist, Radiation Protection Bureau of Health Canada, Canada, Jussi Paatero, Researcher, Finnish Meteorological Institute, Finland, Ari-Pekka Leppänen, Researcher, The Radiation and Nuclear Safety Authority of Finland, Finland, Bredo Møller, Researcher, Norwegian Radiation and Nuclear Safety Authority, Norway, Louise Kiel Jensen, Researcher, Norwegian Polar Institute, Norway, Kjartan Gudnason, Researcher, Icelandic Radiation Safety Authority, Iceland, Mikhail Sofiev, Professor, Finnish Meteorological Institute, Finland, Pål Anderson, Researcher, Swedish Defense Research Agency, Sweden, Morten Sickel, Researcher, NORSAR Norway, Norway, Agnieszka Burakowska, Researcher, Polish Polar Station of the Institute of Geophysics, Poland & Amanda Anderson, Researcher, U.S. Environmental Protection Agency, USA. Monitoring of Anthropogenic Radioactivity in the Atmosphere in the Arctic.