



ICESA
2020

**INTERNATIONAL CONFERENCE ON
ENVIRONMENTAL SCIENCE AND
APPLICATIONS (ICESA'20)**

September 7 - 8, 2020 | Virtual Conference

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WELCOME MESSAGE FROM THE CONFERENCE CHAIR

On behalf of the International Academy of Science, Engineering and Technology (International ASET Inc.), the organizing committee would like to welcome you to the International Conference on Environmental Science and Applications (ICESA'20).

The goal of ICESA'20 is to provide an online space for scholars from all over the world to present advances in the relevant fields and to foster a virtual environment conducive to exchanging ideas and information. This conference will also provide an ideal environment to develop new collaborations and meet experts on the fundamentals, applications, and products of the mentioned fields.

In the first meeting of this conference, four keynote speakers will share their expertise with the aim of exposing participants to a wide spectrum of applications, and to foster crosspollination of ideas and develop new research interests. In addition, approximately 6 papers will be presented from professors, students, and researchers across the world.

We thank you for your participation and contribution to the International Conference on Environmental Science and Applications (ICESA'20). We wish you a very successful and enjoyable experience.

Dr. Zhi Chen
Concordia University, Canada
Conference Chair
ICESA'20

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ABOUT ICCEFA'20

The International Conference on Environmental Science and Applications (ICESA'20) aims to become the leading virtual conference in fields related to Environmental Science and Applications. The goal of ICESA'20 is to provide an online space for scholars from all over the world to present advances in the relevant fields and to foster a virtual environment conducive to exchanging ideas and information.

ICESA is an international conference will be held yearly. This conference focus on all aspects Environmental Science and Applications. ICESA Will be held this year in VIRTUAL conference

ICESA is an acronym for **I**nternational **C**onference, on **E**nvironmental **S**cience and **A**pplications.

The proceedings are published in Ottawa, Canada.

- All papers were peer-reviewed
- The conference proceedings is published under an ISSN and ISBN number
- Each paper is assigned a unique DOI number by [Crossref](#)
- The conference proceedings is indexed by [Google Scholar](#)
- The proceedings is permanently archived in [Portico](#) (one of the largest community-supported digital archives in the world)

 Google Scholar

 Crossref

 PORTICO

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SCIENTIFIC COMMITTEE

We would like to thank the following for accepting to act as a member of the Scientific Committee for the ICESA'20 Conference:



Dr. Zhi Chen

Concordia University, Canada
Conference Chair

Scientific Committee Members

- **Dr. Bing Chen**, Memorial University of Newfoundland, Canada
- **Dr. Luiza Campos**, University College London, UK
- **Dr. Fabiana Corami**, CNR-IDPA, Italy
- **Dr. Gordon Huang**, University of Regina, Canada
- **Dr. Ball James**, University of Technology Sydney, Australia
- **Dr. Charles Lee**, University of Newcastle, Australia
- **Dr. Woo Hyung Lee**, University of Central Florida, USA
- **Dr. Kavitha Palaniappan**, University of Newcastle, Australia

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KEYNOTE SPEAKERS

The keynote information for the International Conference on Environmental Science and Applications (ICESA'20) is as follows:



Dr. Fabiana Corami
CNR-IDPA, Italy



Dr. Charles Lee
The University of Newcastle, Singapore



Dr. Kavitha Palaniappan
University of Newcastle, Australia



Dr. Noelle Samia
Northwestern University, USA

KEYNOTE LECTURE



Title: Sources And Pathways Of Small Microplastics (<100 μm) In Terrestrial Ecosystems
[Dr. Fabiana Corami, CNR-IDPA, Italy](#)

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Dr. Fabiana Corami, PhD, MSc Researcher at the Institute of Polar Sciences, National Research Council CNR-ISP, Venice – Italy Master Degree in Biology and PhD in Environmental Sciences, her current research field is on microplastics in the environment and in biota. She is working on developing preanalytical and analytical methods for quantification and simultaneous identification of microplastics via Micro-FTIR. Science communicator, co-author of contributions in monographs, author of several papers on peer reviews journals, she has attended to national and international conferences, also as invited keynote speaker. She is a member of the Board Committee of the Venetian District for Research and Innovation, DVRI, and is a member of the Leonardo Group of Science Gallery Venice.

KEYNOTE LECTURE



Title: Development of an Environmental Sustainability Ranking Tool (ESRT) for Industries
Dr. Charles Lee, The University of Newcastle, Singapore

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Dr Charles Lee is a Program Convenor and Senior Lecturer at the University of Newcastle (Australia) Singapore. He has more than 25 years' experience in environmental research, education and consulting in North America, and Asia-Pacific countries. His experience encompasses consulting at one of the top environmental consulting firms in the San Francisco Bay Area (California) USA, R&D at the Agency for Science Technology and Research (A*Star, Singapore), and academic teaching and research at the University of Newcastle (Australia). Previously at A*STAR (Singapore) he has a patent on photocatalytic degradation of halogenated compounds. His research areas include remediation of contaminated sites, ecological rehabilitation of degraded land, and environmental sustainability of industries to meet the UN Sustainable Development Goals (SDGs). For more information Please visit :

KEYNOTE LECTURE



Title: Release Of Nanomaterials During Construction Activities That Could Potentially Pollute The Surrounding Air
[Dr. Kavitha Palaniappan, University of Newcastle, Australia](#)

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Dr. Kavitha Palaniappan is the Academic Director at UON Singapore, a wholly-owned entity of The University of Newcastle, Australia. In her capacity as Academic Director, she oversees the Business, Communication, Information Technology and Engineering degree programs that are offered in Singapore. She also teaches into the program of Bachelor of Environmental and Occupational Health and Safety (BEnvOHS). Apart from teaching into the program, she is also actively involved in multi-disciplinary research, that include prevalence of psychosocial illnesses and their impacts on the society, economy and country, alternative therapies to enhance sleep, yoga and its health benefits, toxicity of nanomaterials, exposure measurements and hygiene requirements for nano titanium dioxide, exposure to nano silver in mattresses and beddings and their health effects, associations between seasonal patterns, climate variables and dengue risks in Singapore. She is also a graduate member of IOSH and a member of the Singapore NanOsing consortium.

KEYNOTE LECTURE



Title: Effects of the Environment on Infectious Diseases

Dr. Noelle Samia, Northwestern University, USA

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Noelle I. Samia. B.S. (Valedictorian) in Mathematics, Notre Dame University, Lebanon; M.S. in Actuarial Science, University of Iowa, USA; Ph.D. in Statistics, University of Iowa, USA. Dr. Noelle I. Samia is an associate professor in the Department of Statistics at Northwestern University, USA. Her research work focuses on introducing and developing new statistical linear and nonlinear (threshold) models for count time-series and spatial data. Her work is both, theoretical and applied in nature. Through crossdisciplinary collaborations, these advanced and often new statistical methodologies are tailored to each specific application with the aim of explaining the dynamics of complex biological systems, particularly in the areas of infectious diseases and epidemiology, statistical ecology, and biomedical research. Her fields of research include nonlinear (e.g., threshold) spatio-temporal modeling, count time-series data, statistical inference for infectious diseases, statistical ecology, and statistical applications to biomedical research.

LIST OF PAPERS

The following papers were presented at the International Conference on Environmental Science and Applications (ICESA'20) :

ENVIRONMENTAL

Title: Population Study of Proboscis Monkey (*Nasalis larvatus*) on the Islands of Pulau Bakut and Pulau Curiak in South Kalimantan, Indonesia

ICESA 124

Authors: Amalia Rezeki, Zainudin, Elliott James Ong, Charles CC Lee, Tim Roberts

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Title: Singapore's 2030 Zero Waste Masterplan (ZMP): Is it Achievable?

ICESA 125

Authors: Li Gin Siow, Charles CC Lee

[View Paper](#)

Title: Biodesulfurization of petro-diesel by a new hydrocarbon tolerable bacterium

ICESA 114

Authors: Hussein N. Nassar, Nour Sh. El-Gendy

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LIST OF PAPERS

ENVIRONMENTAL

Title: Effectiveness Of Conventional Drinking Water Treatment In The Removal Of Polycyclic Aromatic Hydrocarbons

ICESA 115

Authors: Isabel Gutierrez-Urbano, Maria Villen-Guzman, Rocio Perez-Recuerda, Jose M. Rodriguez-Maroto

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Title: Post-wildfire Emergency Intervention in Portugal: an Analysis of Public Reports and Policy

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Authors: Renata Martins Pacheco, João Claro

[View Paper](#)

Title: : Kinetic And Thermodynamic Studies On Biosorption Of Ni (II) And Cd (II) By Chemically Modified Lemon Peel

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Authors: M. Villen-Guzman, B. Arhoun, M.M. Cerrillo-Gonzalez, J.M. Paz-Garcia, J.M. Rodriguez-Maroto

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ETHICS & MALPRACTICE

Publication Ethics and Publication Malpractice Statement

The following statement is mainly based on the Code of Conduct and Best-Practice Guidelines for Journal Editors (Committee on Publication Ethics, 2011).

Scientific Committee

Scientific Committee

Scientific committees consisting of experts in the fields are established. The committees oversee the peer-review and publication process. To see the scientific committee members, please follow the link below.

Scientific Committee

Equality and Decisions

One or more reviewer, scientific committee member, or chair, (internal or external), are responsible for evaluating the relevance of the submitted manuscripts to the proceedings, technical and scientific merit, originally, and impact. These evaluations are to be carried out regardless of ethnicity, religion, gender, sexual orientation, political beliefs, and institutions. Successive to peer-review, the Chair has full authority and is solely responsible for the published content and the process thereof.

Confidentiality

Scientific committee member(s) and publishing staff may not disclose manuscripts or their content, directly or indirectly, to anyone other than individuals invited to review the manuscript (whether they accept or not), other reviewers of the same publications, and publishing staff.

Conflicts of Interest

Scientific committee member(s) and publishing staff may not utilize the contents of submitted manuscripts whether accepted or rejected, directly or indirectly for their own research purposes without prior written consent by the authors.

ETHICS & MALPRACTICE

Reviewers

Contribution to Decisions

In order for final decisions to be made regarding acceptance or rejection of papers, we rely on peer-review. Peer-review is the process of experts in the field reading, understanding, and objectively commenting on submitted papers. Through peer-review, scholars give back to the academic and scientific community by helping the chair(s) make decisions regarding manuscripts.

Promptness

Reviewers should promptly notify the chair(s) if they are unable or unqualified to carry out their reviewing duties. Reviewers should do their best to provide the reviews to the chair(s) as promptly as possible, and within the designated time-frame.

Confidentiality

Reviewers must not share the contents of the manuscripts they receive for review, regardless of their decision to review or contents of the review, directly or indirectly, with anyone other than the person who has assigned the review.

Fairness

Reviewers should review manuscripts fairly and objectively, with supporting evidence or arguments, regardless of personal feelings or biases.

Thoroughness

Reviewers should thoroughly read, understand, and provide constructive feedback with the aim of improving the manuscript. Reviewers should aim to identify and report technical issues, irregularities, mistakes, missing citations, and similarity to other published work.

Conflicts of Interest

Invited reviewers should immediately inform the chair(s) in case of a conflict of interest based on competitive, collaborative, personal, family, and other relationships with the authors or people involved in the work.

ETHICS & MALPRACTICE

Authors

Authorship

Only persons who have significantly contributed to the work and the manuscript can be named authors on a paper. These contributions include the idea/concept, design, experiments, evaluation, analysis, drafting or revision of the manuscript, and others. Authors must all have agreed to be named as such and for the manuscript to be submitted. Anyone who has contributed based on the above, but the level of contribution is not significant, may appear in the acknowledgement section of the manuscript.

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Authors should describe their work and the results of their work accurately and in full. The level of provided accuracy and detail should be such that a reader can replicate the work independently. Inaccurate, incomplete, fraudulent, and misleading statements are considered unacceptable and unethical. Direct or indirect use of other people's work is not allowed, unless properly cited. Previous works that have influenced the current work should also be cited. Presenting someone else's work as one's own is strictly prohibited and is considered plagiarism.

Data and Material

Authors are encouraged to share their data, software, or other sharable material online, provided copyright and ownership laws surrounding that particular project permit. Authors may also be asked to share such material with the chair(s), and/or reviewers, and must be willing to do so if asked.

Dual Submissions

Submitting a manuscript to more than one venue (conference, journal, etc) simultaneously is not allowed. Presenting previously published work to be considered as a new submission, without a significant new interpretation or analysis, is prohibited.

ETHICS & MALPRACTICE

Conflicts of Interest

Authors must notify the chair(s) at the time of submission, if any factor outside the scope of the research has influenced any step of the work and manuscript writing. Examples of such factors include but are not limited to funding, grants, advisory and consultancy, stock ownership, current or past employment, and memberships, among others. All funding sources should be disclosed in the manuscript.

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Works involving human and/or animal subjects must ensure that the work has abided by institutional guidelines, and pre-approved by required bodies. Moreover, consent must be acquired from participants, and privacy of subjects must be ensured. All of the above must be specified with clear statements in the manuscript.

Hazardous Material

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If an author identifies a major error in a published paper, he/she must immediately identify the publisher. Regardless of whether a significant error is reported by the authors of the work or other readers, authors are obligated to take the necessary steps to correct the issue. It is decided on a case-by-case basis whether an erratum will be submitted to notify future readers of the error and correction, or whether the paper will be retracted.

Unethical/plagiarism issues mostly result in a retraction, while unintended mistakes will mostly result in the publication of an erratum.

ETHICS & MALPRACTICE

Publisher

Errata and Retractions

The publisher takes the necessary steps to prevent mistakes, academic and scientific misconduct, and unethical behavior, both intended and unintended. When mistakes are reported, the publisher works with chair(s) and authors to publish an erratum clarifying the issue. In cases where the mistakes are severe and significant, the paper might be retracted. If unethical behavior, plagiarism, academic and scientific misconduct, or other such activities are proven to have taken place by an author or authors, the publisher will retract the paper.

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Schedule

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