



PROCEEDINGS OF THE 9TH WORLD CONGRESS ON NEW TECHNOLOGIES (NEWTECH 2023)

**AUGUST 09 - 11, 2023 | BRUNEL UNIVERSITY, LONDON,
UNITED KINGDOM**

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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 9th World Congress on New Technologies (NewTech 2023).

NewTech is aimed to become one of the leading international annual congresses in the fields of new technologies. This congress will provide excellent opportunities to the scientists, researchers, industrial engineers, and university students to present their research achievements and to develop new collaborations and partnerships with experts in the field.

While each conference consists of an individual and separate theme, the 4 conferences share considerable overlap, which prompted the organization of this congress. The goal of this undertaking is to bring together experts in each of the specialized fields, and at the same time allow for cross pollinations and sharing of ideas from the other closely related research areas.

In the ninth meeting of this conference, two Plenary Speakers and three 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 50 papers will be presented from professors, students, and researchers across the world.

We thank you for your participation and contribution to the 9th World Congress on New Technologies (NewTech 2023). We wish you a very successful and enjoyable experience.

Dr. Devika Chithrani

University of Victoria, Canada

Congress Chair and Proceedings Editor

NewTech 2023

Dr. Domenico Lombardo

CNR - (Consiglio Nazionale delle Ricerche), Italy

Local Chair and Proceedings Editor

NewTech 2023

ABOUT NEWTECH 2023

NewTech is aimed to become one of the leading international annual congresses in the fields of new technologies.

This congress will provide excellent opportunities to the scientists, researchers, industrial engineers, and university students to present their research achievements and to develop new collaborations and partnerships with experts in the field.

There are 4 conferences included in the NewTech Congress:

ICNFA 2023 - 14th International Conference on Nanotechnology: Fundamentals and Applications

ICEPR 2023 - 13th International Conference on Environmental Pollution and Remediation

ICBB 2023 - 9th International Conference on Bioengineering and Biotechnology

ICERT 2023 - 7th International Conference on Energy Research and Technology

While each conference consists of an individual and separate theme, the 4 conferences share considerable overlap, which prompted the organization of this congress. The goal of this undertaking is to bring together experts in each of the specialized fields, and at the same time allow for cross pollinations and sharing of ideas from the other closely related research areas.

- The proceedings is published in Ottawa, Canada.
- All papers were peer-reviewed
- The congress 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 [Scopus](#) and [Google Scholar](#)
- The proceedings is permanently archived in [Portico](#) (one of the largest community-supported digital archives in the world)

Google Scholar

Scopus

Crossref

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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 NewTech 2023 Congress:



Dr. Devika Chithrani
University of Victoria, Canada
Congress Co-Chair



Dr. Domenico Lombardo
CNR - (Consiglio Nazionale
delle Ricerche), Italy
Technical Program Chair

Scientific Committee Members for ICNFA 2023

- **Dr. Nicolas Abatzoglou**, Université de Sherbrooke, Canada
- **Dr. Dayan Ban**, University of Waterloo , Canada
- **Dr. Sylvain Caillol**, Montpellier University , France
- **Dr. Thomas M. S. Chang**, McGill University, Canada
- **Dr. Bernadeta Dobosz**, Adam Mickiewicz University in Poznań, Poland
- **Dr. Luigi Falciola**, Università degli Studi di Milano, Italy
- **Dr. Antonio Vicente Herrera Herrera**, Universidad de La Laguna, Spain
- **Dr. Redhouane Henda**, Laurentian University, Canada
- **Dr. Jeff Th. M. De Hosson**, University of Groningen, Netherlands
- **Dr. Marianna V. Kharlamova**, Slovak Academy of Sciences, Slovakia
- **Dr. Perumal Nithiarasu**, University of Wales, UK
- **Dr. Rahul M. Mane**, Shivaji University, India
- **Dr. Daisuke Onoshima**, Nagoya University, Japan
- **Dr. Harry E. Ruda**, University of Toronto, Canada
- **Dr. Aimin Song**, University of Manchester, UK
- **Dr. Jules Thibault**, University of Ottawa, Canada
- **Dr. Jackie Y. Ying**, Institute of Bioengineering and Nanotechnology, Singapore
- **Dr. Ludwig Vinches**, École de Technologie Supérieure, Canada

SCIENTIFIC COMMITTEE

We would like to thank the following for accepting to act as a member of the Scientific Committee for the NewTech 2023 Congress:

Scientific Committee Members for ICEPR 2023

- **Dr. Priscilla Boccia**, INAIL/DIT, Italy
- **Dr. Monika Bojko**, Jagiellonian University, Poland
- **Dr. Elisabetta Franchi**, Eni S.p.A., Italy
- **Dr. Dragos Gudovan**, University Politehnica of Bucharest, Romania
- **Dr. Charles Lee**, The University of Newcastle, Singapore
- **Dr. Woo Hyoung Lee**, University of Central Florida, USA
- **Dr. Jianbing Li**, Univeristy of Northern British Columbia, Canada
- **Dr. Domenico Morabito**, University of Orléans, France
- **Dr. Kunwar Paritosh**, University College Cork, Ireland
- **Dr. Muhammad Wakil Shahzad**, Northumbria University, Newcastle Upon Tyne, UK
- **Dr. Marek Trojanowicz**, University of Warsaw, Poland
- **Dr. Chih-Huang Weng**, I-Shou University, Taiwan

Scientific Committee Members for ICBB 2023

- **Dr. Tau Chuan Ling**, University of Malaya, Malaysia
- **Dr. Wensheng Qin**, Lakehead University, Canada
- **Dr. Bindu S.**, Ramaiah Institute of Technology, India

Scientific Committee Members for ICERT 2023

- **Dr. Ming-Chang Lu**, National Taiwan University, Taiwan
- **Dr. Adele Manzella**, Istituto di Geoscienze e Georisorse, Italy
- **Dr. Grzegorz Sierpiński**, Silesian University of Technology, Poland

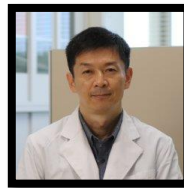
KEYNOTE SPEAKERS

THE PLENARY/KEYNOTE INFORMATION FOR THE 9TH WORLD CONGRESS ON NEW TECHNOLOGIES (NEWTECH 2023) IS AS FOLLOWS:

Plenary Speakers



Dr. Matiar Howlader
McMaster University, Canada
ICNFA 2023 Plenary Speaker



Dr. Masaru Tanaka
Kyushu University, Japan
ICBB 2023 Keynote Speaker

Keynote Speakers



Dr. Devika Chithrani
University of Victoria, Canada
ICNFA 2023 Keynote Speaker



Dr. Fausto Garcia Marquez
University of Castilla-La
Mancha, Spain
ICERT 2023 Keynote Speaker



Dr. Tapas Sen
University of Central Lancashire, UK
ICNFA 2023 Keynote Speaker

ICNFA 2023 PLENARY SPEAKER



Titles: Nanomaterials-based Electrochemical Sensors for the Detection of Emerging Contaminants

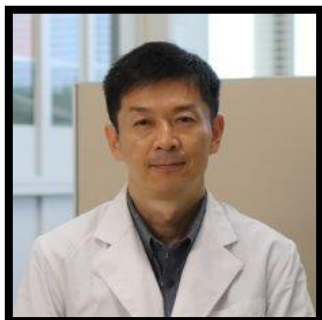
Dr. Matiar Howlader, McMaster University, Canada

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Dr. Matiar R. Howlader is an Associate Professor in the Department of Electrical and Computer Engineering at McMaster University. His current research focuses on the design, fabrication, characterization, and development of new materials and novel engineered components to create integrated sensing systems for health, environmental, and energy harvesting applications. He applies his knowledge and expertise in nanomaterials and nanotechnologies to develop nonenzymatic electrochemical sensors for pH, temperature, cannabinoids, and acetaminophen, as well as biomarkers for neurodegenerative and chronic diseases, and chronic pain. In particular, he is currently developing foundational technologies in surface-activated nanobonding, with an emphasis on integrating flexible, soft, and hard materials with biosensors to create sensing systems that have energy harvesting capabilities. His ultimate research goals are to create personalized healthcare biosensor systems and extract data for analyzing disease biomarkers using artificial neural networks.

ICBB 2023 PLENARY SPEAKER



Titles: Biocompatible Surfaces For Biomedical Devices
Base On The Intermediate Water Concept

Dr. Matiar Howlader, McMaster University, Canada

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Masaru Tanaka: He worked for TERUMO Co. and commercialized medical devices such as artificial lung (Approved by FDA and Global market's No.1 share). In 2000 he moved to Hokkaido University and in 2007 he moved to Tohoku University. He was a Visiting Scientist, at Max-Planck-Institute (2008-2009). In 2009 he was awarded a full professorship at Yamagata University. Since 2015, he has been at Kyushu University as a full Professor. Thus far, he has published over 200 papers in peer reviewed journals (H-index 56), 50 book chapter, 125 others, more than 250 patents. He recieved the Japanese Society for Biomaterials Award, the SPSJ Asahi Kasei Award, and the British Council PMI2 Connect-Research Co-operation (UK) Award.

ICNFA 2023 KEYNOTE SPEAKER



Titles: Nanomedicine as a Promising Approach to Overcome Current Challenges in Cancer Radiotherapy

Dr. Devika Chithrani, University of Victoria, Canada

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Dr. Devika Chithrani was awarded the faculty gold medal and the gold medal for physics when she received her bachelor's degree in physics. She is a recipient of many fellowships by Natural Sciences and Engineering Research Council of Canada during her graduate and post-doctoral work. Now, she is an associate professor at University of Victoria. She leverages nanotechnology to create innovations that advance the care of cancer patients. Her work is featured on the cover of journals and her publications have received over 11,000 citations in few years. She is among the world's top 2% scientists according to the published data by Stanford University. Her passion is to develop smart nanomaterials to improve exiting cancer therapeutics.

ICEPR 2023 KEYNOTE SPEAKER



Titles: Accelerating Renewable Energy by Artificial Intelligence

Dr. Fausto Garcia Marquez, University of Castilla-La Mancha, Spain

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Fausto works at UCLM as Full Professor (Accredited as Full Professor from 2013), Spain, Honorary Senior Research Fellow at Birmingham University, UK, Lecturer at the Postgraduate European Institute, Research Fellow at INTI International University&Colleges, Malaysia, and he has been Senior Manager in Accenture (2013-2014). He obtained his European PhD with maximum distinction. He has been distinguished with the prizes: Nominate Prize (2022), Gran Maestre (2022), Grand Prize (2021), Runner Prize (2020) and Advancement Prize (2018), Runner (2015), Advancement (2013) and Silver (2012) by the International Society of Management Science and Engineering Management (ICMSEM), First International Business Ideas Competition 2017 Award (2017), etc. He has published more than 244 papers (153 JCR: 73-Q1; 41-Q2; 31-Q3; 8-Q4), some recognized as: "Progress in Photovoltaics: Research and Applications" (Q1, IF. 8.49, one of the most downloaded in first 12 months of publications, 2023), "Applied Energy" (Q1, IF 9.746, as "Best Paper 2020"), "Renewable Energy" (Q1, IF 8.001, as "Best Paper 2014"); "ICMSEM" (as "excellent"), "Int. J. of Automation and Computing" and "IMechE Part F: J. of Rail and Rapid Transit" (most downloaded), etc. He is the author and editor of over 50 books (Elsevier, Springer, Pearson, Mc-GrawHill, Intech, IGI, Marcombo, AlfaOmega,...), >100 international chapters, and 6 patents. He is the Editor of 5 Int. Journals, Committee Member more than 70 Int. Conferences. He has been Principal Investigator in 4 European Projects, 8 National Projects, and more than 150 projects for Universities, Companies, etc. His main interests are: Artificial Intelligence, Maintenance, Management, Renewable Energy, Transport, Advanced Analytics, and Data Science.

ICEPR 2023 KEYNOTE SPEAKER



Titles: Magneto-optical Nanomaterials as
Nanomedicine

Dr. Tapas Sen, University of Central Lancashire, UK

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Dr Sen is an expert in nano and nano-biomaterials chemistry with more than 25 years research experience from laboratory scale development to commercial products. Currently he is working as a Reader in Nanomaterials Chemistry and leading the Nano-biomaterial Research Group (<https://senlabs.org>) in the University of Central Lancashire, UK. He is the principal inventor of PCT application of three Great Britain patents and has published more than 75 high impact peer reviewed journal articles of his original work, high impact review articles, book chapters and several articles in books in the area of nano-biomaterials chemistry. He managed and currently managing several international research projects as a principal investigator. He has proven to be a leader in international networking by successfully delivered two International workshops (<https://nanowateratuclan.org/an-international-workshop-on-magnetic-nanoparticles/> & <https://uclannanomedicine.net/news-highlight/>) and two international symposiums such as “Functional Nanomaterials in Industrial Applications: Academic-Industry Meet” in March 2016 (<https://nanosymposiumatuclan.net/>) and “Functional Nanomaterials in Industrial & Clinical Applications: Academic-Industry-Clinician Meet” in July 2020 (<https://secondnanosymposiumatuclan.net/>) as a conference convenor, chair and coordinator.

Currently, he is leading 1 international project on Nanowater and 1 national project with local hospital on Nanomedicine. He is a Fellow of Royal Society of Chemistry and Higher Education Academy, UK. He is the member of the Editorial board of several peer review high impact journals, a member of the peer review panel of the research council UK and Royal Society, UK. Finally, he has also completed a foundation degree in project management (PRINCE II) endorsed by the UK government as the project management standard for public project.

LIST OF PAPERS

The following papers were presented at the 9th World Congress on Mechanical, Chemical, and Material Engineering (NewTech 2023)

Nanomaterials Characterization and Application

Effects Of Chlorine And Fluorine On The Vibrational Properties Of Nanoporous Germanium: A Theoretical Approach

Authors: R. Bermeo-Campos, A. Trejo, F. Salazar, A. Miranda, M. Cruz-Irisson

Formulation, Optimization, and Invitro Characterization of Lipid-Based Nanoparticles for Effective Delivery to The Liver

Authors: : Dina M. Gaber, Mina Gayed, Nabila Boraie

Textile Coated with Mercaptoethane Sulfonate-functionalized Silver Nanoparticles with Virucidal Activity against SARS-CoV-2

Authors: Lucie Ulrychová, Ilana Perelshtein, Nina Perkas, Jan Hodek, Aharon Gedanken, Jan Weber

Manipulating Bubble Dynamics and Heat Transfer using 3D Superbiphilic Micro/Nanostructures

Authors: Christopher Salmean, Huihe Qiu

Nano Phase-containing Al-0.3Mn Alloy for Potential EV Applications: Microstructure, Tensile Behavior and Electrical Conductivity

Authors: Wutian Shen, Anita Hu, Jun Wang, Ali Dhaif, Henry Hu

LIST OF PAPERS

Environment Protection

Organic Contaminants Released Form Plastics

Authors: Camila Costa, Amir Nobahar, José P. Da Silva

Adsorption of Organic Dye on Pillared Clays

Authors: Hari Desai, Kannan A.

Studies for Mitigation Measures for Dust Resuspension from Stockpiles

Authors: Umangi Mehta, Vamsi Botlaguduru, Manaswita Bose, Virendra Sethi

Energy Storage & Consumption

A Conceptual Model for Clothes Drying Using Composite Energy Sources

Authors: Michael Conyette, Olasupo Ajayi

Electrochemical Property of Activated Carbon Monolith from Oat for Supercapacitor Electrode

Authors: Tae Ho Yoon, Nam Il Kim, Minhu Huang

Production of Bio-Oil by Co-Pyrolysis of the Coffee and Tire Wastes

Authors: Lina Hilal, Martina Žabčić , Lisandra Rocha-Meneses, Chaouki Ghenai, Abrar Inayat

Experimental Testing Of a 400 KWh Steel Slag-Based Thermal Energy Storage Prototype for Industrial Waste Heat Recovery Applications

Authors: Daniel Bielsa, Peru Arribalzaga, Iñigo Ortega-Fernandez, Erika Garitaonandia

LIST OF PAPERS

Nanotechnology

Unrevealing Alterations and Disturbances in Bacterial Outer Layers in Response to Metallic Nanoparticle Stress

Authors: Oliwia Metryka, Daniel Wasilkowski, Agnieszka Mrozik

Molecular Dynamics Simulation as a Tool for Studying the Solvent in the Dye/TiO₂ Interaction in Natural Dye Sensitized Solar Cells

Authors: : Arnold Huamán, María Quintana

Hydrophobic Metals Nanoparticles Encapsulated In A Lipid Bilayer Of Thermosensitive-Liposome

Authors: Shima Khezri Azizi Far, Laila Kudsiova, Dipak Sarker

Chitosan Loaded RNA Polymerase Inhibitor Nanoparticles Increased Attenuation in Toxin Release from Streptococcus Pneumonia

Authors: Fulwah Alqahtani

LIST OF PAPERS

Biotechnology

Influence Of Kluyveromyces Lactis Arranged In Suspension And Immobilized On Obtaining Lactic Acid By Cheese Whey Fermentation

Authors: María Vargas, Carlos Gordillo-Andia, Danny Tupayachy-Quispe, Jonathan Almirón and Francine Roudet

Bioactivity Of Guttation Droplets From Coal-Related Fungi

Authors: Adam Krain, Piotr Siupka, Katarzyna Malarz, Anna Mrozek-Wilczkiewicz, Franco Magurno and Zofia Piotrowska-Seget

A Cost Analysis on Generic and Brand-name Anti-depression Medications

Authors: Sophia Lin

Variable Effects of the COVID-19 Pandemic on Reported Adverse Events for Arrhythmic Activity and 30-Day Fills For Anti-Arrhythmic Agents

Authors: Eshaan Gandhi, Sujata Bhatia

Choline chloride- and betaine-based deep eutectic solvents increase lipase activity and thermal stability

Authors: Miša Mojca Cajnko, Mejrema Nuhanović, Uroš Novak, Blaž Likozar

LIST OF PAPERS

Biotechnology

Fall Detection Algorithm Using a Smart Wearable System for Remote Health Monitoring

Authors: Abdelrahman Fawaz, Moaz Elsayed, Ahmed Sharshar, Mohammed S. Sayed, Ahmed H. Abd El-Malek, Mohammed Abo-Zahhad

Exercise-induced Neuroadaptations in Receptor Expression That Predispose to Addiction

Authors: Erica Jiang

Development Of Sporobeads Coated With Hecad1/2 For Rapid Detection And Capturing Of Pathogenic Listeria Monocytogenes

Authors: Khosrow Mohammadi, Per Saris

Improving the quality of Lao fermented bamboo shoot (Nor Mai Som) using probiotic Lactiplantibacillus plantarum BBS13 as starter culture

Authors: Viengvilaiphone Botthoulath, Ida F. Dalmacio, Nacita B. Lantican, Lucille C. Villegas, Francisco B. Elegado, Maria Genaleen Q. Diaz and Lawrence Yues Cheng Uy

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Environmental pollution & Remediation

Life Cycle Assessment of Electrospun Cellulose-Based Nanocomposite Membrane Fabrication

Authors: Nasrin Attari, Robert hausler

A Multi-Layer Perceptron Approach For Estimating Daily Surface NO₂ In Thiruvananthapuram City

Authors: Sherin Babu, Binu Thomas

Development of a methodology for in vitro tissue culture and callus generation of *Polypogon australis* Brong

Authors: Javiera Venegas, Rosanna Ginocchio¹, Claudia Ortiz, Götz Hensel

Assessment Of Heavy Metals For Sediments And Water In The Bouregreg Estuary

Authors: Samar Aarabi, Oussama Chauiyakh, Elmostafa El Fahime, Kamal Kettani, Aziz Et-tahir

A Modelling Framework for Groundwater Sustainability in the Upper Orange Catchment of South Africa

Authors: Rebecca Alowo

Characterisation of Local Borehole Water within the Platinum Belt in Mokopane, Limpopo, Republic of South Africa

Authors: Mahlatse Emily Weber, Rebecca Alowo, German Nkhonjera

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Soil Pollution & Treatment

Modeling Diffuse Nutrient and Sediment Pollution affecting Lake Palakpakin, Laguna using QSWAT

Authors: : Jaztine Danielle Linato, Fellona Sealtielle Anne Sarte, Frederico B. Dela Peña

Ball-Milled Biochar and Its Effect on Remediation of Soil from Industrial Area

Authors: Mariusz Gusiatin, Sanubar Khasmammadova

Optimization Of Mercury Remediation From A Contaminated Industrial Park Soil Via Thermo Desorption: An Experimental Approach

Authors: Andrea Pacini, Alessandra De Folly D'Auris, Alessandro Conte

Application Of Synthetic And Natural Surfactants For Mobilizing Pahs In Marine Sediments For Remediation Purposes

Authors: Gabriele Moscatelli, Berardino Barbati, Salvatore Chiavarini, Laura Caiazzo, Marco Petrangeli Papini

Rehabilitation and Landscape Integration of a Tailings Deposit in Atacama, Chile

Authors: Claudia Ortiz C., Juan Palma, Pamela Valenzuela

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Posters Session

Magnetic Smart Systems for Theranostic

Authors: Denisa Fikai, Ludmila MOTELICA, Angela Spoiala, Cornelia Ioana Ilie, Roxana Doina Trusca, Adrian Vasile Surdu, Bogdan Stefan Vasile, Ovidiu Cristian Oprea, Anton FICAI, Ecaterina Andronescu, Cristina Chircov

Encapsulation of Sertraline in Biodegradable Polymeric Nanoparticles

Authors: Bushra Alquadeib

New Perspectives Of The Silicates Based Materials: From Classical To Emerging Applications Of Glasses

Authors: Cornelia ILIE, Ludmila MOTELICA, Denisa FICAI, Roxana Doina TRUSCA, Ovidiu Cristian OPREA, Anton FICAI

Oxidative adsorption of arsenic by Fe-Mn oxides

Authors: Jae Gon Kim

The investigation of UV-C LED arrangement on the sterilization of Escherichia coli in flow reactors

Authors: Chien-Ping Wang and Jun-You Liao

Environmental Pollution Monitoring using Femtosecond Laser-irradiated Structure Device as a Flexible Gas Sensing Platform

Authors: Tien-Li Chang, Song-Pu Huang, Nian-Yun Guo

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Posters Session

Antivirulence Effect of mBTL Loaded Calcium Alginate Nanoparticles Against Pseudomonas Aeruginosa

Authors: Fadilah Aleanizy

Development of Pollutant-Targeted Recognition Slow-Release Materials and Research on Petrochemical Wastewater Treatment

Authors: Fanbin Meng, Bing Qin, Qizhi Zhu, Jianlin Jiang

Coupling Leaching-Bioremediation for Petroleum-Contaminated Soil

Authors: Bing Qin, Fanbin Meng, Liming Ren, Jianlin Jiang, He Gong

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Pollution & Health Issues

Biotransformation of Brewing By-Products to Reduce the Current Food Waste And Relieve Associated Environmental Pollution

Authors: Jiao Zhang, Ariane Perez-Gavilan, Adriana Cunha Neves

Kuwait Environmental Remediation Program - North Kuwait Excavation, Transportation & Remediation Zone II

Authors: Muthanna Almumin, Meshari Albader, and Aisha Al-Baroud

Analysis Of Indoor And Outdoor Noise Quality At The University – A Case Study

Authors: Maruthi Sandesh Maganti, Venkataiah Vibudh Gourishetty, Keerthi Katam

Non-Target Screening Of Organic Micropollutants In Durgam Cheruvu Lake, India

Authors: Sai Krishna Duddupudi, Sreekar Varma Penmetsa, Madhu Kumar Kumara, Nikhil Sai Raghav Vasili, Debraj Bhattacharyya, and Keerthi Katam

LIST OF PAPERS

Global Warming & Climate Change

Deep Learning-based Prediction for Fine dust in Seoul, Korea

Authors: Jonggu Kang, Pukyong National University, South Korea Authors: JongGu Kang, Yangwon Lee

Atmospheric correction of Sentinel-2 images for accurate identification of vegetation distribution

Authors: Seoyeon Kim, Yangwon Lee

Develop Smoke Detection Model Using GEMS to Respond Climate Change

Authors: Yemin Jeong, Yangwon Lee

Rasterization Of Mountain Weather Temperature Data Using Spatial Statistical Methods

Authors: Youjeong Youn, Yangwon Lee

SPONSORS

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JOURNAL PUBLICATION

Accepted papers may be published in one of these journals after the 2nd peer review process:

- **IJTAN** - International Journal of Theoretical and Applied Nanotechnology
- **IJEPR** - International Journal of Environmental Pollution and Remediation
- **JBEB** - Journal of Biomedical Engineering and Biosciences

These journals have adopted to the open-access model, meaning all free access to the journals' articles and content with no need for subscription. This ensures larger audience and therefore higher citations.

All published papers of IJTAN and IJEPR will be submitted to Google Scholar. All published papers for JBEB will be submitted to Google Scholar. Additionally, they will be permanently archived in Portico (one of the largest community-supported digital archives in the world) and will be assigned unique DOIs.

NEWTECH 2024

The 10th World Congress on New Technologies (NewTech 2024)
will be held in 25-27 August , 2024 | Berlin, Germany.



For inquiries and to obtain further information on the
congress, please visit the [website](https://2024.newtechcongress.com/)

You can also email info@newtechcongress.com or call us
at: +1-613-834-9999

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ETHICS & MALPRACTICE

At International ASET Inc., we take matters that relate to ethics in publishing very seriously. We believe that the peer-review publication process is a vital building block of academia, and its integrity must be maintained at all costs, which is why every article will be peer-reviewed by several experts in the field. Under peer-review, experts in the related fields are required to provide opinions and comments on the improvements of the submissions.

We are proud of our efforts towards abiding by the guidelines of ethics, integrity, and high standards in publishing.

Following are the ethics guidelines set by the organizers for the authors and the reviewers of the conference:

Scientific Committees

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: [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.

Acknowledgment of Source

The reviewer should notify the chair(s) if they find any similarities in the paper being reviewed and any other work that has been published previously.

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.

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

Reporting Standards

The paper being submitted for the proceedings should be based on clear objective, discussion, and references. The findings, data, and the arguments being used in the paper should be accurate. It is author's responsibility to guarantee the authenticity of the data in the paper.

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.

Acknowledgement of Source

Acknowledgement to other's work being used in the paper must be given at all times. Authors of the paper should give comprehensive credit where it is necessary, by citing the work, they use for supporting their own research.

Accuracy, Originality, and Plagiarism

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.

ETHICS & MALPRACTICE

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.

Conflicts of Interest

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