



# PROCEEDINGS OF THE 7TH WORLD CONGRESS ON NEW TECHNOLOGIES (NEWTECH'21)

**AUGUST 05- 07, 2021 | ~~PRAGUE, CZECH REPUBLIC~~ | 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 7<sup>th</sup> World Congress on New Technologies (NewTech'21).**

Due to the evolving COVID-19 outbreak and corresponding issues in border entry in European countries, the 7th World Congress on New Technologies (NewTech'21) which was supposed to be held in Prague, Czech Republic will be held **virtually** instead on **August 05 – 07, 2020**.

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.

We thank you for your participation and contribution to the 7<sup>th</sup> World Congress on New Technologies (NewTech'21). We wish you a very successful and enjoyable experience.

**Dr. Andriy Voronov**

*North Dakota State University, USA  
Congress Chair and Proceedings Editor  
NewTech'21*

**Dr. Devika Chithrani**

*University of Victoria, Canada  
Congress Co-Chair and Proceedings Editor  
NewTech'21*

**Dr. Domenico Lombardo**

*CNR - (Consiglio Nazionale delle Ricerche), Italy  
Technical Program Chair and Proceedings Editor  
NewTech'21*

# ABOUT NEWTECH'21

**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'21** - 12<sup>th</sup> International Conference on Nanotechnology: Fundamentals and Applications

**ICEPR'21** - 11<sup>th</sup> International Conference on Environmental Pollution and Remediation

**ICBB'21** - 7<sup>th</sup> International Conference on Bioengineering and Biotechnology

**ICERT'21** - 5<sup>th</sup> 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

 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 NewTech'21 Congress:



**Dr. Andriy Voronov**  
North Dakota State University,  
USA  
Congress Chair



**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'21

- **Dr. Nicolas Abatzoglou**, Université de Sherbrooke, Canada
- **Dr. Sivaram Arepalli**, Rice University, USA
- **Dr. Yoshinobu Baba**, Nagoya University, Japan
- **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. Masami Furuuchi**, Kanazawa University, Japan
- **Dr. Redhouane Henda**, Laurentian University, Canada
- **Dr. Kenichi Kasahara**, Ritsumeikan University, Japan
- **Dr. Alexander Korsunsky**, University of Oxford, United Kingdom
- **Dr. Dongyang Li**, University of Alberta, Canada
- **Dr. Daisuke Onoshima**, Nagoya University, Japan
- **Dr. Pavel Polenik**, Charles University Prague, Czech Republic
- **Dr. Muthukumaran Packirisamy**, Concordia University, Canada
- **Dr. Aimin Song**, University of Manchester, UK
- **Dr. Jules Thibault**, University of Ottawa, Canada
- **Dr. Ludwig Vinches**, École de Technologie Supérieure, Canada
- **Dr. Liqiu Wang**, University of Hong Kong, China
- **Dr. Jackie Y. Ying**, Institute of Bioengineering and Nanotechnology, Singapore
- **Dr. Lifeng Liu**, Iberian Nanotechnology Laboratory, Portugal

# SCIENTIFIC COMMITTEE

**We would like to thank the following for accepting to act as a member of the Scientific Committee for the NewTech'21 Congress:**

## **Scientific Committee Members for ICEPR'21**

- **Dr. Priscilla Boccia**, INAIL/DIT, Italy
- **Dr. Monika Bojko**, Jagiellonian University, Poland
- **Dr. Fabiana Corami**, CNR-IDPA, Italy
- **Dr. Elisabetta Franchi**, Eni S.p.A., Italy
- **Dr. Charles Lee**, The University of Newcastle, Singapore
- **Dr. Jianbing Li**, Univeristy of Northern British Columbia, Canada
- **Dr. Akira Kondo**, Osaka University, Japan
- **Dr. Domenico Morabito**, University of Orléans, France
- **Dr. Tomasz Płociniczak**, University of Silesia, Poland
- **Dr. Marek Trojanowicz**, University of Warsaw, Poland
- **Dr. Chunlong Zhang**, University of Houston-Clear Lake, USA

## **Scientific Committee Members for ICBB'21**

- **Dr. Giuliana d'Ippolito**, CNR-Istituto di Chimica Biomolecolare (ICB), Italy
- **Dr. Andreas Kremling**, Technische Universität München, Germany
- **Dr. Domenico Lombardo**, CNR - (Consiglio Nazionale delle Ricerche), Italy
- **Dr. Francesca Paradisi**, University of Bern, Switzerland
- **Dr. Wensheng Qin**, Lakehead University, Canada
- **Dr. Liqiu Wang**, University of Hong Kong, China
- **Dr. John McDevitt**, New York University, USA

# SCIENTIFIC COMMITTEE

**We would like to thank the following for accepting to act as a member of the Scientific Committee for the NewTech'21 Congress:**

## **Scientific Committee Members for ICERT'21**

- **Dr. Umberto Berardi**, Ryerson University, Canada
- **Dr. Wen-Feng Lin**, Loughborough University, UK
- **Dr. Ming-Chang Lu**, National Taiwan University, Taiwan
- **Dr. Grzegorz Sierpiński**, Silesian University of Technology, Poland
- **Dr. Kamaruzzaman Sopian**, National University of Malaysia, Malaysia
- **Dr. Leon Shaw**, Illinois Institute of Technology, USA

# KEYNOTE SPEAKERS

The keynote information for the 7<sup>th</sup> World Congress on New Technologies (NewTech'21) is as follows:

## Keynote Speakers



**Dr. Harry Ruda**

University of Toronto, Canada  
ICNFA'21 Keynote Speaker



**Dr. Lifeng Liu**

Iberian Nanotechnology  
Laboratory, Portugal  
ICNFA'21 Keynote Speaker



**Dr. Shaochen Chen**

University of California, USA  
ICNFA'21 Keynote Speaker



**Dr. John McDevitt**

New York University, USA  
ICBB'21 Keynote Speaker



**Dr. Rajasekhar Bala**

National University of Singapore,  
Singapore  
ICEPR'21 Keynote Speaker



**Dr. Woo Hyung Lee**

University of Central Florida,  
USA  
ICEPR'21 Keynote Speaker



**Dr. Leon Shaw**

Illinois Institute of Technology,  
USA  
ICERT'21 Keynote Speaker



**Dr. Kamaruzzaman Sopian**

National University of  
Malaysia, Malaysia  
ICERT'21 Keynote Speaker

## ICNFA'21 KEYNOTE SPEAKERS

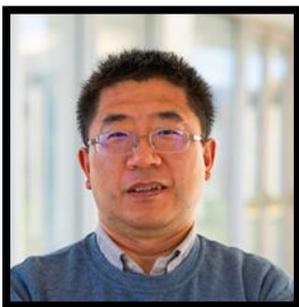


**Titles:** A Superficial Tale: Semiconductor Nanowires as a Remarkable Platform for Nanoelectronics and Sensing  
**Dr. Harry Ruda, University of Toronto, Canada**

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Harry Ruda obtained his Bachelors from Imperial College in 1979 and his PhD from MIT in 1982 for work on the optical and transport properties of II-VI based infrared detector materials. From 1982 to 1984 he worked as an IBM postdoctoral fellow on one of the first theories for electron transport in selectively doped 2d electron gas heterostructures. From 1984 to 1989 he was a senior scientist at 3M corporation leading their II-VI blue laser program and joined the University of Toronto in 1989 where he is currently a full professor and the Stanley Meek Chair in Nanotechnology and Director of the Centre for Nanotechnology. He has about 300 journal publications with about 8,200 citations and h-index of 43. He serves on the editorial boards of numerous journals and is a Fellow of the Royal Society of Canada, Fellow of Institute of Physics, Fellow of the Institute of Nanotechnology, Fellow of the Institution of Engineering and Technology, and Fellow of the Canadian Academy of Engineering.



**Titles:** Hydrogen Production via Electrocatalysis: From Nanoclusters to Single Atoms  
**Dr. Lifeng Liu, Iberian Nanotechnology Laboratory, Portugal**

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Lifeng Liu (Researcher ID: A-2522-2012, Orcid ID: 0000-0003-2732-7399) received his Bachelor degree in Applied Physics from Beijing Jiaotong University (2001), and both his Master (2004) and PhD (2007) degrees in Condensed Matter Physics from the Institute of Physics, Chinese Academy of Sciences. He joined Max Planck Institute of Microstructure Physics (MPI-Halle) in 2007, first working as a postdoctoral researcher and then as a staff scientist, under the supervision of the late Prof. Ulrich Goesele.

For more information Please visit:

[https://avestia.com/NewTech2021\\_Proceedings/files/speakers.html](https://avestia.com/NewTech2021_Proceedings/files/speakers.html)

## ICNFA'21 KEYNOTE SPEAKER



**Titles:** Nano and Microscale Light-based 3D Bioprinting for Tissue Engineering and Regenerative Medicine  
**Dr. Shaochen Chen, University of California, USA**

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Dr. Shaochen Chen is a Professor and Chair in the NanoEngineering Department and Professor in the Bioengineering Department at the University of California, San Diego (UCSD). He is the founding co-director of the Biomaterials and Tissue Engineering Center at UCSD. Before joining UCSD, Dr. Chen had been a Professor and a Henderson Centennial Endowed Faculty Fellow in Engineering at the University of Texas at Austin from 2001 to 2010. Between 2008 and 2010, he served as the Program Director for the Nanomanufacturing Program of the US National Science Foundation (NSF).

For more information Please visit:

[https://avestia.com/NewTech2021\\_Proceedings/files/speakers.html](https://avestia.com/NewTech2021_Proceedings/files/speakers.html)

## ICERT'21 KEYNOTE SPEAKER



**Titles:** Improving Battery Performance via Mechanical Activation Enhanced Synthesis  
**Dr. Leon Shaw, Illinois Institute of Technology, USA**

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Dr. Leon Shaw is the Rowe Family Endowed Chair Professor in Sustainable Energy and Professor of Materials Science and Engineering at Illinois Institute of Technology. His research interest is in novel materials synthesis and processing for energy storage. He was named as "Illinois Researchers to Know" in 2020 by Illinois Science and Technology Coalition and received an Energy Award in 2018 presented by International Association of Advanced Materials. He has authored more than 300 publications in materials synthesis and processing with 11,000+ citations. He is a Member of EU Academy of Sciences, a Fellow of ASM International, and a Fellow of International Association of Advanced Materials among others.

## ICERT'21 KEYNOTE SPEAKER



**Titles:** Progress in Advanced Photovoltaic Thermal Collectors

**Dr. Kamaruzzaman Sopian, National University of Malaysia, Malaysia**

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Prof. Dr. Kamaruzzaman Sopian obtained his BSc in Mechanical Engineering from the University of Wisconsin-Madison in 1985, MSc in Energy Resources from the University of Pittsburgh in 1989 and PhD. in Mechanical Engineering from the Dorgan Solar Laboratory, University of Miami in 1997. He is presently the Professor in Renewable Energy and Director of the Solar Energy Research Institute, Universiti Kebangsaan Malaysia (National University of Malaysia). He has been involved in the field of renewable energy for more than 30 years.

For more information Please visit:

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## ICEPR'21 KEYNOTE SPEAKER



**Titles:** Climate Change Mitigation in Cities: Challenges and Opportunities

**Dr. Rajasekhar Bala, National University of Singapore, Singapore**

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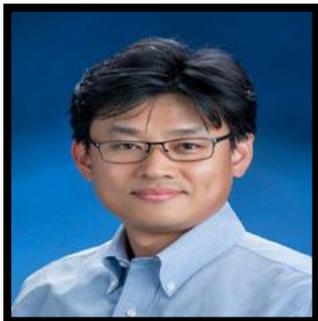
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Rajasekhar Balasubramanian (Bala) is a Full Professor and Deputy Head in the Department of Civil and Environmental Engineering at the National University of Singapore. Prof Bala's research interests cut across environmental sustainability, climate change and urban air quality. The main goal of his interdisciplinary research is to advance understanding of environmental and health impacts of air pollution on scales ranging from local to global. His work provides policy-relevant scientific inputs and contributes to development of cost-effective technologies to mitigate adverse impacts of air pollution. He has led multi-national collaborative projects related to assessment and mitigation of personal exposure to airborne particles.

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## ICEPR'21 KEYNOTE SPEAKERS



**Titles:** Recycling Urine for Hydrogen Production in a Microbial Electrolysis Cell (MEC) System Using a Novel Mos2 Nano Carbon Coated Electrode

**Dr. Woo Hyoung Lee, University of Central Florida, USA**

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Dr. Woo Hyoung Lee, P.E. is an associate professor in the Department of Civil, Environmental, and Construction Engineering at the University of Central Florida (UCF). He received his Ph.D. in environmental engineering from the University of Cincinnati in 2009. His primary research area is to develop electrochemical microsensors for in situ investigation of physical and chemical dynamics in microenvironments such as biofilm, corrosion, and emulsions by combining with nano and biotechnology. His other research interest is to develop renewable (bio)energy processes for environmental sustainability. He is currently a registered professional engineer.

## ICBB'21 KEYNOTE SPEAKER



**Titles:** Development and Deployment of 'Smart Diagnostics': Next Generation Point of Care Sensors with Capacity to Learn

**Dr. John McDevitt, New York University, USA**

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John T. McDevitt now serves as a Full Professor within the Department of Biomaterials at New York University, is a member of NYU's Bioengineering Institute and participates as a faculty member in the NYU Department of Chemical and Biomolecular Engineering within the Tandon School of Engineering. Prior to this time, he served for 5 years as the Brown-Weiss Professor of Bioengineering and Chemistry at Rice University and rose through the academic ranks at University of Texas at Austin where he was positioned for 20 years. McDevitt completed his Ph.D. degree in Chemistry from Stanford University.

For more information Please visit:

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# LIST OF PAPERS

The following papers were presented at the the 7th World Congress on Mechanical, Chemical, and Material Engineering (NewTech'21)

## Nanomedical Applications: Drug Delivery, and Tissue Engineering

**Title:** Spontaneous Emulsification Via Phase Inversion At Ambient Temperature For Stable N-Octane–Aerosol-OT/Water Microemulsions

**Authors:** Kristina Simonova, Tatiana Samarina, Akihide Hibara, Mikhail Proskurnin

[View Paper](#)

**Title:** Laser Assisted Deposition of Silver Nanoparticles into Dentinal Tubules

**Authors:** Pavel Polenik, Jan Reboun

[View Paper](#)

**Title:** Gold Nanoparticle as a Model Nanoparticle System for Efficient Delivery of Anticancer Drugs

**Authors:** Ocean Han, Kyle Bromma, Devika B Chithrani

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**Title:** Gold Nanoparticles Uptake in Monoculture vs Co-culture Pancreatic Cancer Cells

**Authors:** Abdulaziz Alhussan, Julian Smazynski, Devika Chithrani

[View Paper](#)

**Title:** Nanostructures in Nanomedicine: Critical Issues and Perspectives

**Authors:** Domenico Lombardo, Pietro Calandra, Mikhail A. Kiselev

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# LIST OF PAPERS

## Soil Pollution and Treatment

**Title:** Chestnut Soils: A Comparison Study by Diffuse Reflectance and Attenuated Total Reflection FTIR spectroscopies with Fractionation

**Authors:** Dmitry S. Volkov, Olga B. Rogova, Mikhail A. Proskurnin

[View Paper](#)

**Title:** Temperature Dependences of IR Spectral Band Frequencies of Soils

**Authors:** Dmitry S. Volkov, Olga B. Rogova, Mikhail A. Proskurnin

[View Paper](#)

**Title:** Analysis and Effects of Microplastics in the Agricultural Soils

**Authors:** Doorgha Ragoobur, Geeta Somaroo

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# LIST OF PAPERS

## Green Manufacturing and Technologies, Pollution Prevention

**Title:** Devulcanized Rubber a Solution for Scrap Tire

**Authors:** Abdalrahman Alsulaili, Shoug Al Dabbous, Dalal Alsuwail, Rahaf Al Omar, Amina Al Helal, and , Muneera Hamadah

[View Paper](#)

**Title:** Assessment of Catalytic Performance of Fe<sup>2+</sup>, Fe<sup>3+</sup> and Fe<sup>2+</sup>:Cu<sup>2+</sup> In Fenton and Photo-Fenton Treatment of Pulp Bleaching Wastewater

**Authors:** João Peres Ribeiro, Catarina Costa Marques, Maria Isabel Nunes

[View Paper](#)

**Title:** Coupling of Fenton and Biological Processes for Pulp Bleaching Wastewater Treatment

**Authors:** João Peres Ribeiro, Carolina Pedrosa Morim, Flávio Castro Silva, Maria Isabel Nunes

[View Paper](#)

**Title:** Enhancing the Life Cycle Sustainability of Camelina Oil-Based Acrylic Monomer

**Authors:** Iryna Bon, Na Wu, Zoriana Demchuk, Andriy Voronov, Ghasideh Pourhashem

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**Title:** Concept for an International Fieldcourse in Sustainable Mining under Arctic Conditions

**Authors:** Esther Takaluoma, Risto Oikari

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# LIST OF PAPERS

## Green Manufacturing and Technologies, Pollution Prevention

**Title:** Adsorption-Desorption of Critical Metals from Simulated Acid Mine Drainage by Metakaolin Geopolymer

**Authors:** Esther Takaluoma, Tatiana Samarina

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**Title:** UV-Grafted Polydimethylsiloxane Membranes For Effective Removal of Tramadol

**Authors:** Mariia Pasichnyk, Swati Sundararajan, Roni Kasher, Jana Gaalova

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# LIST OF PAPERS

## Environmental Pollutions and Protections

**Title:** A Good Practice Project Related To Sustainable Solutions to Address the Global Pandemic and Achieve Agenda 2030

**Authors:** Elena Sturchio, Miriam Zanellato, Priscilla Boccia

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**Title:** Catalytic Complete Oxidation Of Benzene Over Pd Catalysts: Support Effect

**Authors:** Tatyana Tabakova, Petya Petrova, Yordanka Karakirova, Anna Maria Venezia, Leonarda Francesca Liotta, Lyuba Ilieva

[View Paper](#)

**Title:** Renewable Eco-Friendly Activated Biochar from Tobacco: Chlorpyrifos Removal Studies

**Authors:** Elio Conradi Junior, Affonso Celso Gonçalves Junior, Juliano Zimmermann, Daniel Schwantes, Carlos Daniel Zenni, Guilherme Lindner Ziemer, Vinicius Henrique Dias de Oliveira, Felipe Dudczak

[View Paper](#)

**Title:** COD Removal from Mixed Dye Wastewater Using Natural Pyrite Ore by Heterogeneous Fenton Process

**Authors:** Dilara Ozturk

[View Paper](#)

**Title:** Challenges in Environmental Impact Assessment (EIA) In Land-scarce Singapore

**Authors:** Charles CC Lee, Rios Anita

[View Paper](#)

# LIST OF PAPERS

## Environmental Pollutions and Protections

**Title:** Biological Effects On C. Elegans In The Application Of Essential Oils As Natural Fungicides

**Authors:** Miriam Zanellato, Priscilla Boccia, Maria Grazia Berardinelli

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**Title:** Waste Water Treatment with Biomicrogel

**Authors:** Maxim Mironov, Andrey Kryazhov, Vladimir Kuimov, Alexander Yagupov, Andrey Elagin

[View Paper](#)

# LIST OF PAPERS

## Energy Conversion and Management

**Title:** Small Green Energy: Implementation through Gamification of the Educational Process

**Authors:** Seidaliyeva A.B., Niyazova G.B., Kopishev E.E., Vitulyova E.S., Kabdushev S.B., Baipakbayeva S.T., Bakirov A.S., Suleimenov I.E.

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**Title:** Passive Façade Retrofit in War-Affected Dwellings in Syria

**Authors:** Walaa Haj Ali, Ola Uduku

[View Paper](#)

**Title:** Electric Travelling Planner As A Support For Promoting Of Environmental Friendly Mobility - Remarks Based On International Research Project

**Authors:** Grzegorz Sierpiński

[View Paper](#)

**Title:** Comparison of Activities for the Wider Implementation and Development of Electromobility in Iran and Poland

**Authors:** Grzegorz Sierpiński

[View Paper](#)

**Title:** The Impact of Utilizing Shared Electric Vehicles on The Energy, Environmental pollution and Transportation

**Authors:** Grzegorz Sierpiński

[View Paper](#)

# LIST OF PAPERS

## Biotechnology

**Title:** Shear and Stress in the Walls of a Paediatric Ventricular Assist Device

**Authors:** Vítor Augusto Andreghetto Bortolin, Bernardo Luiz Harry Diniz Lemos, Rodrigo de Lima Amaral, Marcelo Mazzeto, Idágene Aparecida Cestari, Júlio Romano Maneghini Kazunori Yoshida

[View Paper](#)

**Title:** Experimental Investigation of VSS in Virtual Red Blood Cells and Platelets in the Flow of a PVAD Using Pseudo-Tracking Analysis

**Authors:** Bernardo Luiz Harry Diniz Lemos, Vítor Augusto Andreghetto Bortolin, Rodrigo de Lima Amaral, Marcelo Mazzeto, Idágene Aparecida Cestari, Júlio Romano Maneghini

[View Paper](#)

**Title:** Stability of a Fermented Milk Enriched With Microbial CLA/CLNA

**Authors:** Ana L. Fontes, Lígia L. Pimentel, Luis M. Rodríguez-Alcalá, Ana M. Gomes

[View Paper](#)

**Title:** Microarchitectonic of Decellularized Bovine Pericardium

**Authors:** Nataliia V. Shchotkina, Anatoliy A. Sokol, Glib I. Yemets, Oleksandr Yu. Galkin, Liudmyla V. Dolinchuk, Arkadii A. Dovghaliuk, Iryna M. Skorokhod, Olena V. Shepeleva, Nadiia M. Rudenko, Iliia M. Yemets

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# JOURNAL PUBLICATION

Selected articles from the congress will be published in one of the following journals after a secondary 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

**The publication fee will be waived for papers that win the Best Paper Award. Other attendees will receive a 25% discount towards the publication fee of the journal.**

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.

Users are allowed to read, download, copy, distribute, print, search, or link to the full texts of the articles in this journal without asking prior permission from the publisher or the author. This is in accordance with the BOAI definition of open access.

All published papers of IJTAN and IJEPR will be submitted to Google Scholar, CAS, Genamics JournalSeek, Index Copernicus International, Mendeley for possible indexing. 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. These journals are approved by the Committee on Publication Ethics (COPE).

# NEWTECH'22

**The 8th World Congress on New Technologies (NewTech'22) will be held on August 03 - 05, 2021 | Prague, Czech Republic.**



**For inquiries and to obtain further information on the congress, please visit the [website](https://2022.newtechcongress.com/)**

**You can also email [info@newtechcongress.com](mailto:info@newtechcongress.com) or call us at: +1-613-834-9999**

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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.

### ***Accuracy, Originality, and Plagiarism***

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