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Article Preparation Template

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INTERNATIONAL RESEARCH PUBLICATION HOUSE

International Journal of Engineering Research and Technology (IJERT)

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Chatibi youness, PhD, Mathematics Department, ENSAM/Moulay Ismaïl University, **Morocco**.

Area of Research Interest: Fractional Calculus, Method of Resolution of Fractional Differential Equations and Applications.

Dr. Diego Bellan, Professor, Department Of Electronics, Information And Bioengineering, Politecnico Di Milano, Piazza Leonardo Da Vinci 32, 20133, Milan, **Italy**.

Area of Interest : Power Quality, Electromagnetic Compatibility

Dr. Liew Pay Jun, Senior Lecturer, Department Of Manufacturing Process, Faculty Of Manufacturing Engineering, Universiti Teknikal Malaysia Melaka, Durian Tunggal Melaka, **Malaysia**.

Area of Interest : Electrical Discharge Machining, Machining, Micro/Nano Machining, Nanofluid

Jong-Wook Lee, Electrical & Computer Engineering, Ajou University, Worldcupro 206, Yeongtong-gu. 16499, Geonggi-do, **South Korea**.

Area of Interest: I Device structure and materials for sub-0.5V voltage operation, I Scaling-down enabling technology, I Low-power, high-speed devices and circuit

Dr. Ishita Roy, Upward Bound STEM TRIO, Long Beach City College, Los Angeles, California, **United States of America**.

Area of Interest: Civil Environmental Engineering, Environment Engineering, Energy

Dr. Nanaji Yerramsetti, Department of Chemistry & Biochemistry, Texas Tech University, Lubbock, Texas, **USA**.

Area of Interest: Organic synthesis, asymmetric synthesis, Organo-metallic chemistry

Prof. Dr. Ashok K. Singh, University of Nevada, Las Vegas (UNLV), William F. Harrah College of Hospitality, Las Vegas, Nevada, **USA**.

Area of Interest: Applied Statistics, Bayesian Inference, Spatial and Temporal Analysis of Data, Structural Equations Modeling, Panel Data Analysis

Mohammad Amin Horiri Ardebili, Civil Environmental and Architectural Engineering (CEAE), University of Colorado at Boulder, Colorado, Boulder, **USA**.

Area of Interest: Concrete dams; Fluid-structure-interaction; Earthquake engineering; PBEE; Special structures

Giriprasath Gururajan, Bartlesville Technology Center, ConocoPhillips Company Oklahoma, Bartlesville, **USA**.

Area of Interest: Polymer, Vibrational Spectroscopy, Electrospinning, Polymer characterization.

Goutam Ghoshal, Department of Research and Development, Company: Acoustic MedSystem Inc, Savoy, Illinois, **USA**.

Area of Interest: Biomedical ultrasound, therapeutic ultrasound, high-intensity focused ultrasound, signal processing, ultrasound imaging, computational mechanical mechanics, image-guided intervention, acoustic, ultrasonic non-destructive testing, mechanical stress analysis

Dr. Dong-Chan Kim, Department of Biomedical Laboratory Science, Gimcheon University, Gimcheon City, Gyeongbuk Province, **South Korea**.

Area of Interest: Molecular Pharmacology, Neuropharmacology, Natural Herb Pharmacology

Dr. Sulalit Bandyopadhyay, Department of Chemical Engineering, Norwegian University of Science and Technology (NTNU), Trondheim, Trøndelag, **Norway**.

Area of Interest: Synthesis, characterization and functionalization of nano-particles, development of nanoparticle based hydrological tracers, drug delivery bioimaging, nanosystems in drilling fluids and enhanced oil recovery, nanogels, polymeric nanoparticles, polymerization, colloids and interfaces.

Dr. Siamak Hoseinzadeh, Islamic Azad University, Division Mechanical Engineering, Tehran, **Iran**.

Area of Interest: Green House, Zero Energy, Building Material, Building Energy Efficiency, PCM Nanocomposites, Thin Films, Synthesis, Structural, Optical : Electrical properties, Smart Material and Devices, Electrochromic and Thermochromic Devices.

Dr. Basim Abu-Jdayil, Chemical & Petroleum Engineering Department, UAE University, Al Ain, Abu Dhabi, **UAE**.

Area of Interest: Rheology, Fluid mechanics, Composite materials, EOR

Prof. Abdullah M. Al-Shaalan, EE department, College of Engineering, King Saud University Riyadh, **Kingdom of Saudi Arabia**.

Dr. Joni Welman Simatupang, School of Engineering, President University, Cikarang, Bekasi-17550, **Indonesia**.

Area of Interest: Electrical Engineering, Semi Conductor Technology, Opto Electronic Devices, Optical Networks, Electrical Sensors, Design and Fabrication Semiconductors and optoelectronic devices.

Sameer Chand Pudaruth, Computer Science and Engineering Department, University of Mauritius, Reduit, Moka, Port Louis, **Republic of Mauritius**.

Area of Interest: Multimedia, Computer Vision, ICT in Education, Software Engineering

Mohd Hafiz bin Jali, Faculty of Electrical Engineering, Universiti Teknikal Malaysia Melaka, Hang Tuah Jaya, 76100, Melaka, **Malaysia**.

Area of Interest: Control system, Signal Processing, Rehabilitation, Human assist technology. Pattern Recognition, Robotic.

Rajeev Ahuja, Physics Department, Uppsala University, Box 530, 751 21 Uppsala, **Sweden**.

Area of interest: Computational Materials Science, Electronic Materials, Spintronics, High pressure, Dynamics.

S.A. Soliman, Electrical Engineering Department, University of Qatar, P. O. Box 2713 Doha, **Qatar**.

Area of Interest: Applications of State Estimation to Electric Power Systems, Fuzzy and Neural System Applications to Electric Power Systems.

Vincenzo Niola, Professor, Department Of Industrial Engineering,, University Of Naples Federico Ii – Engineering Faculty, Naples, **Italy**.

Area of Interest : Mechanics, Robotics, Diagnostics Of Mechanical Systems, Non-Linear Analysis Of Mechanical Systems, Vibrations, Tribology

Rose Farahiyah Munawar, Senior Lecturer, Department Of Engineering Materials, Faculty Of Manufacturing Engineering, Universiti Teknikal Malaysia Melaka **Malaysia**.

Area of Interest : Nanotechnology, Environmental And Green Materials, Cellulose Derivatives, Materials Characterization And Materials Science & Engineering

Ruaa Alsabah, Lecturer, Department Of Computer Science, Freha Campus, Kerbala University, Kerbala, **Iraq**.

Area of Interest : Internet Of Things & Big Data Analysis, Wireless Communication 4G, 5G And Beyond, Microwave Remote Sensing, Space-Borne – Airbo Platforms And Calibration And Validation Measurements.

Dr. Asim Datta, Associate Professor & Head, Dept. Of Electrical Engineering, Mizoram University (A Central University), Tanhril, Aizawl-796004, Mizoram, **India**.

Area of Interest : Electrical Power Systems, Renewable Energy Sources, Embedded Systems

Pranav Mahamuni, Research Assistant, Department Of Mechanical Engineering, Stony Brook University, Stony Brook, New York, **United States Of America**.

Area of Interest : Mechanical Engineering - Cad/Cam, Product Design, Rapid Prototyping, Finite Element Analysis

Dr. Diego Bellan, Professor, Department Of Electronics, Information And Bioengineering, Politecnico Di Milano, Piazza Leonardo Da Vinci 32, 20133, Milan, **Italy**.

Area of Interest : Power Quality, Electromagnetic Compatibility

Dr. Claudia Espro, Assistant Professor, Department Of Engineering, Contrada Di Dio, 4° Piano, Blocco C, 98166 Messina, **Italy**.

Area of Interest : Heterogeneous Catalysis And Development Of Novel Catalytic Green Processes. Catalytic Conversion Of Natural Gas And Light Alkanes I Intermediates, Fuels And Chemicals Of Higher Added Value. Conversion Of Renewable Biomass For The Production Of Bulk Chemicals, Electrochemical Sensors

Dr. Massila Kamalrudin, Deputy Dean, Associate Professor, Faculty of Information Technology and Communication , Institute of Technology Management & Entrepreneurship, Universiti Teknikal Malaysia Melaka, **Malaysia**.

Area of Interest : ICT, software engineering

Dr. Nilamadhab Mishra, Assistant Professor, School Of Computing, Debre Berhan University, Ministry of Education, Government of Ethiopia, **Ethiopia**.

Area of Interest : Encompass Network Centric Data Management, Data Science: - Analytics and Applications, CIoT Big-Data System, and Cognitive Apps Design Explorations.

Dr. Liew Pay Jun, Senior Lecturer, Department Of Manufacturing Process, Faculty Of Manufacturing Engineering, Universiti Teknikal Malaysia Melaka, Durian Tunggal Melaka, **Malaysia**.

Area of Interest : Electrical discharge machining, machining, micro/nano machining, nanofluid

Dr. G.PARAMASIVAM , Associate Professor, Department Of Computer Science, KG COLLEGE OF ARTS AND SCIENCE, Tamilnadu, **India**.

Area of Interest : Image processing, Computer Network

Dr. Ch. Swapna Priya, Assistant Professor, Department Computer Science And Engineering, Vignans institute of Information Technology, Visakhapatnam, Andhra Pradesh, **India**.

Area of Interest : Image processing, Pattern recognition deep learning, machine learning

Dr. K. Sangeetha, Assistant Professor, Department Of Computer Science & Engineering, SNS College of Technology, Coimbatore, Tamilnadu, **India**.

Area of Interest : Theory of computation, Computer Networks, Advanced Computer Architecture, Operating Systems, Computer Programming, Network Security, Object Oriented Analysis and Design and Data Base Management System

Dr. Deepali Gupta, Professor And Head, Department Of Computer Science & Engineering, Maharishi Markandeshwar University, Sadopur, Sadopur, Ambala, **India**.

Area of Interest : Computer Engineering & Information Technology, Software Engineering, Genetic Algorithms and Cloud Computing

Dr. Ghassan Fadhil Smaisim, Associate Professor, Department of Mechanical Engineering, University of Kufa, Faculty of Engineering, Kufa, P.O. Box: 21, Najaf Government. **Iraq**.

Area of Interest : Enhancement Heat Transfer, Renewable Energy, Fluid Mechanics, Thermal Nanofluid Flow, Power Generation, Solar Energy, CFD.

Dr. Darshankumar Chandrakant Dalwadi, Associate Professor, Department of Electronics and Communication Department, Birla Vishvakarma Mahavidyalaya Engineering College, Post Box No. 20, **India**.

Area of Interest : Digital Communication, Wireless Communication and M Tech Information Theory and Coding

Jong-Wook Lee, Electrical & Computer Engineering, Ajou University, Worldcupro 206, Yeongtong-gu. 16499, Geonggi-do, **South Korea**.

Area of Interest: I Device structure and materials for sub-0.5V voltage operation, I Scaling-down enabling technology, I Low-power, high-speed devices and circuits.

Mohd Hafiz bin Jali, Faculty of Electrical Engineering, Universiti Teknikal Malaysia Melaka, Hang Tuah Jaya, 76100, Melaka, **Malaysia**.

Area of Interest: Control system, Signal Processing, Rehabilitation, Human assist technology. Pattern Recognition, Robotic.

Timon Rabczuk, Chair of Computational Mechanics, Bauhaus University Weimar, Marienstrasse 15, 99423 Weimar, **Germany**.

Hacene Mahmoudi, Vice Rector for Animation, promotion of scientific research, Hassiba Benbouali University, B.P. 151, Chlef, **Algeria**.

Mircea Cristian DUDESCU, Technical University of Cluj-Napoca, Faculty of Mechanical Engineering, Departament of Mechanical Engineering, B-dul Muncii 103-1 400641 Cluj-Napoca, **Romania**.

Area of interest: mechanics of materials, experimental mechanics, mechanical testing, structural analysis of MEMS.

Rajeev Ahuja, Physics Department, Uppsala University, Box 530, 751 21 Uppsala, **Sweden**.

Area of interest: Computational Materials Science, Electronic Materials, Spintronics, High pressure, Dynamics.

Shigeru Aoki, Department of Mechanical Engineering, Tokyo Metropolitan College of Technology, Shinagawa-ku, Tokyo 140-0011, **Japan**.

Area of Interest: Random vibration, Seismic response of mechanical system, Approximate analysis of nonlinear vibration.

G.Q. Chen, Department of Mechanics and Engineering science, Peking University, Beijing 100871, **China**.

Area of Interest: CFD (Computational fluid dynamics), energy and resources engineering, and systems ecology.

Anna Laura Pisello, Department of Engineering, CIRIAF – Interuniversity Research Center, University of Perugia, **Italy**.

Dr. Jahar Sarkar, Department of Mechanical Engineering, IIT (BHU) Varanasi, UP-221005, **India**.

Area of Interest: Energy, Thermal & Fluid Engineering.

Verena Kantere, Centre Universitaire d' Informatique, University of Geneva, Bâtiment A, Route de Drize 7, 1227 Carouge, **Switzerland**.

B.T.F. Chung, Department of Mechanical Engineering, University of Akron, Akron, Ohio 44325, **USA**.

Area of interest: Heat Transfer with Phase Changes, Optimum Design of Extended Surfaces, Radiative Heat Transfer System.

Marcelo J.S. De Lemos, Departamento de Energia - IEME, Instituto Tecnológico de Aeronáutica - ITA, 12228-900 São José dos Campos S.P. - **Brazil**.

Area of interest: Turbulence Modeling, Porous Media, Combustion in Porous Media, Numerical Methods, Finite Volume.

Dimitris Drikakis, Head of Aerospace Sciences Department, Cranfield University, School of Engineering, Cranfield, MK43 0AL, **United Kingdom**.

Area of Interest: Computational Fluid Dynamics, Aerodynamics, Turbulence Gas dynamics, Computational Nanotechnology.

A.S. Al-Harthy, Department of Civil, Surveying and Environmental Engineering, University of Newcastle, Callaghan, NSW 2308 **Australia**.

Area of interest: Concrete material and durability, Recycling construction materials, reliability assessment of structures.

S.Z. Kassab, Mechanical Engineering Department, Faculty of Engineering, Alexandria University, Alexandria, 21544 **Egypt**.

Area of Interest : Experimental Fluid Mechanics, Lubrication, Energy, Environment and Pollution.

Bashar El-Khasawneh, Chairman, Industrial Engineering Department, JUST, P.O. Box 3030, Irbid 22110 **Jordan**.

Area of Interest: Design process and manufacturing-related sciences and processes, advanced and parallel kinematics machine tools.

Kazuhiko Kudo, Laboratory of Micro-Energy Systems, Division of Human Mechanical Systems and Design, Graduate School of Engineering, Hokkaido University, **Japan**.

Area of interest: Radiative heat transfer analysis, transient analysis on surface tension.

Carlos Mario Morales Bautista, Calzada Olmeca 105. Cerrada Chiltepec No. 1. Fraccionamiento la Venta. Villa Parrilla II. C.P. 86280. Villahermosa, Centro, Tabasco, **Mexico**.

Ihab Obaidat, Department Of Physics, College of Science, United Arab Emirates University, P.O. Box 15551, Al Ain, **UAE**.

Area of Interest: Nanomagnetism, Superconductivity

Huihe QIU, Department of Mechanical Engineering, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon **Hong Kong**.

Area of Interest: Transport phenomena in microscale multiphase flows, micro sensors and actuators, optical diagnostics and instrumentation

S.A. Soliman, Electrical Engineering Department, University of Qatar, P. O. Box 2713 Doha, **Qatar**.

Area of Interest: Applications of State Estimation to Electric Power Systems, Fuzzy and Neural System Applications to Electric Power Systems

Dimitri V. Val, Dept. of Structural Engineering, Faculty of Civil and Environmental Engineering, Technion - Israel Institute of Technology, Haifa 32000, **Israel**

Area of Interest: structural safety and reliability; analysis, design, and assessment of reinforced concrete and steel structures

Guo-Xiang Wang, Department of Mechanical Engineering, The University of Akron, Akron OH 44325-3903 **USA**.

Area of Interest: Heat and Mass Transfer, Materials Processing, Solidification Theory and Application

Samir Mekid, Mechanical Engineering Department, King Fahd University of Petroleum and Minerals PO Box 155, Dhahran, 31261, **Saudi Arabia**.

Abdul Razak Rehmat, Department of Bioprocess & Polymer Engineering, Faculty of Chemical & Energy Engineering, Universiti Teknologi Malaysia, 81310 Johor Bahru, **Malaysia**.

Area of Interest: Polymer Processing and Rheology, Biobased Polymer Composite, Microwave Processing of Polymer

V.R. Mudinepalli, Department of Physics, National Taiwan Normal University, Taipei, 11677, **Taiwan**.

Damodar Maity, Civil Engineering Department Indian Institute of Technology, Kharagpur, West Bengal, **India**.

Area of Interest: Damage Assessment of Structures; Seismic Resistant of Structures; Fluid-Structure Interaction; Slushing; Concrete Gravity Dam

NG EYK, School of Mechanical & Aerospace Engineering, Nanyang Technological University, 50 Nanyang Avenue, 639798 **Singapore**.

Area of Interest: biomedical engg; computational fluid dynamics and numerical heat transfer

Mohammad Luqman, Chemical Engineering Department King Saud University Chemical Engineering Department, Riyadh, **Saudi Arabia**.

Area of Interest: Polymer Nanocomposites, Polymer/Plastic, Ionomers, Nanocomposites

Mohammad Valipour, Department of Irrigation and Drainage Engineering, College of Abureyhan, University of Tehran, Pakdasht, Tehran, **Iran**.

Area of Interest: Surface and pressurized irrigation, Drainage engineering, Fluid mechanics, Heat transfer in soil media

Najm Obaid Salim Alghazali, Department of Civil Engineering, Babylon University, Hilla, Babylon, **Iraq**.

Area of Interest: Hydraulic Structures, Hydraulics, Engineering Hydrology, Groundwater Hydrology, Dams Engineering

Sushant K. Singh, Earth and Environmental Studies Department, Montclair State University, Montclair, 07043, New Jersey, **USA**.

Area of Interest: Environmental pollution, Environmental management, Environmental toxicology, Environmental policy

Hongseok Choi, Department of Mechanical Engineering, Clemson University, 205 Fluor Daniel Bldg. Clemson, SC 29634 **USA**.

Ling Zhou, National Research Center of Pumps, Jiangsu University, No.301 Xuefu Road, Zhenjiang, Jiangsu 212013, **China**.

Area of Interest : Fluids Engineering, Multiphase flow, CFD (Computational Fluid Dynamics)



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Dated: *22/04/2020*

To,
Rr. M. I. Retno Susilorini,
Department of Infrastructure and Environmental Engineering
Faculty of Environmental Science and Technology
Soegijapranata Catholic University.

Subject: Publication Certificate

Dear Rr. M. I. Retno Susilorini,

We are very pleased to inform you that your following articles

1. Flexural Deformation of Expanded Polystyrene Concrete Sandwich Beam: An Experimental Study
2. Masonry Walls Retrofitting with Eco-Concrete Bricks in Tidal Flooding
3. Carbohydrate Polymers for Green Multi-Purpose Mortar
4. Evaluating Couple Simple Shear Wall as Low-cost Masonry Wall"

are peer reviewed and accepted by our Editor-in-Chief/Editorial Board Members.

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Kindly note that, currently India is under lock down till 3rd May 2020 due to the spreading of Corona Virus (Covid-19). At present we cannot access the office and server to publish the issue 3 online. The complete issue 3 will be published online after the 3rd May 2020.

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We thank you for this opportunity to publish your valuable work.

Best regards

Ram Anand

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“Flexural Deformation of Expanded Polystyrene Concrete Sandwich Beam: An Experimental Study”

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