PROCEEDINGS OF
ACADEMICS WORLD
INTERNATIONAL CONFERENCE
Bandar Seri Begawan,
Brunei Darussalam

Organized by

Date of Event:
11th – 12th March, 2020

Event Co-Sponsored by

Corporate Address

INSTITUTE OF RESEARCH AND JOURNALS
Plot No- 30, Dharma Vihar, Khandagiri, Bhubaneswar, Odisha, India
Mail: info@iraj.in, www.iraj.in
Publisher: Institute for Technology and Research (ITRESEARCH)

© 2020, Academics World International Conference, Bandar Seri Begawan, Brunei Darussalam

No part of this book can be reproduced in any form or by any means without prior written permission of the publisher.

Disclaimer: Authors have ensured sincerely that all the information given in this book is accurate, true, comprehensive, and correct right from the time it has been brought in writing. However, the publishers, the editors, and the authors are not to be held responsible for any kind of omission or error that might appear later on, or for any injury, damage, loss, or financial concerns that might arise as consequences of using the book.

Type set & printed by:

Institute for Technology and Research (ITRESEARCH)
Bhubaneswar, India

About IRAJ:

Institute of Research and Journal (IRAJ) is an advanced Non-profit technological forum registered under Peoples Empowerment Trust, situated at Bhubaneswar, Odisha, for the Researchers & Scholars “to promote the progress of Science and Technology” by displaying their knowledge in the vicinity of Science and Technology for the service of mankind and the advancement of the general welfare.

Objective of IRAJ:

❖ To provide a world class platform to researchers to share the research findings by organizing International/National Conferences.
❖ To use the research output of the conference in the class room for the benefits of the students.
❖ To encourage researchers to identify significant research issues in identified areas, in the field of Science, Engineering, Technology and Management.
❖ To help dissemination of their work through publications in a journal or in the form of conference proceedings or books.
❖ To help them in getting feedback on their research work for improving the same and making them more relevant and meaningful, through collective efforts.
❖ To encourage regional and international communication and collaboration; promote professional interaction and lifelong learning; recognize outstanding contributions of individuals and organizations; encourage scholar researchers to pursue studies and careers in circuit branches and its applications.
❖ To set up, establish, maintain and manage centers of excellence for the study of /on related subjects and discipline and also to run self supporting projects for the benefit of needy persons, irrespective of their caste, creed or religion.

About Academics World:

Academics World is a non-profit organization that promotes the Engineering and Technology, Science and Medical related latest developments and issues to be discussed and experimented through interactions amongst the researchers and academician across the globe at a common platform in association with IRAJ & The IIER.
Conference Committee

Program Chair:

Dr. P. Suresh
M.E, Ph.D. Professor and Controller of Examinations,
Karpagam College of Engineering,,
Coimbatore, India.

Conference Manager:
Mr. Bijan Kumar Barik
Mob: +91-9776047497

Conference Convener:
Miss. Madhusmita Satapathy, Academics World
Mob: +91 7077656338

Publication Head:
Mr. Manas Ranjan Prusty, IRAJ, India

INTERNATIONAL ADVISORY MEMBERS

Prof. Goodarz Ahmadi,
Professor, Mechanical and Aeronautical Engineering, Clarkson University, USA

Dr. Chi Hieu Le,
Senior Lecturer, University of Greenwich, Kent ME4 4TB, United Kingdom

PROF. (ER.) Anand Nayyar
Department of Computer Applications & I.T. KCL Institute of Management and Technology, Jalandhar
G.T. Road, Jalandhar-144001, Punjab, India.

Prof. R. M. Khaire,
Professor, Dept. Of Elec. and Telecommunication, B. V University, India

Mark Leeson
Associate Professor (Reader)
Area of Expertise: nanoscale communications, evolutionary algorithms, network coding and communication systems

Dr. P. K. Agarwal
Professor, Dept. of Civil Engineering, MANIT Bhopal, Ph. D: IIT Kanpur
M.E: Civil Engg.IIT Roorkee, Membership: Indian Road Congress (IRC), Institute of Urban Transport (IUT)

Shahriar Shahbazpanahi
Islamic Azad University,
Department of Civil Engineering, Sanandaj, Kurdistan, Iran, PhD (Structural Engineering),
University Putra Malaysia, Malaysia , 2009-Present

Harun Bin Sarip
Head of Research and Innovation Dept, UniKL-MICET
Doctorate: Université de La Rochelle, France
Member: International Society of Pharmaceutical Engineer, Singapore Chapter

Dr. Md. Al-Amin Bhuiyan
Associate Professor
Dept. of Computer Engineering
King Faisal University
Al Ahssa 31982, Saudi Arabia

Prof. (Er.) Anand nayyar
Department of Computer Applications & I.T.
KCL Institute of Management and Technology, Jalandhar
G.T. Road, Jalandhar-144001, Punjab, India

Prof. Aleksandr Cariow
Institution or Company: West Pomeranian University of Technology, Szczecin
Dr. VPS Naidu  
Principal Scientist & Assoc. Prof., MSDF Lab, FMCD  
CSIR - National Aerospace Laboratories, Bangalore, India

Mr. P. Sita Rama Reddy  
Chief Scientist, Mineral Processing Department, CSIR - Institute of Minerals & Materials Technology  
Bhubaneswar, India, M.Tech. (Chem. Engg., IIT, KGP)

Dr. P.C. Srikanth  
Professor & Head, E&C Dept, Malnad College of Engineering, Karnataka  
Senior Member IEEE, Secretary IEEE Photonics Society,  
M.Tech: IIT, Kanpur, Ph.D: In IISc Photonics lab

Prof. Lalit Kumar Awasthi  
Professor, Department of Computer Science & Engineering  
National Institute of Technology(NIT-Hamipur),  
Ph.D. IIT, Roorkee, M. Tech, IIT, Delhi

Dr. Chandra Mohan V.P.  
Assistant Professor, Dept. of Mech. Engg., NIT Warangal,  
Warangal, Ph.D : Indian Institute of Technology(IIT),Delhi  
M.B.A: Alagappa University

Prof. L Suneetha,  
Associate Professor, Dept. of ECE, AITS, Tirupati, India

Dr. s. Chandra Mohan Reddy  
Assistant Professor (SG) & Head. Dept. of Electronics & Communication Engineering, JNTUA College of Engineering, Pulivendula,  
Ph.D.J.N.T. University Anantapur, Anantapuramu

Gurudatt Anil Kulkarni  
I/C HOD E&TC Department, MARATHWADA MITRA MANDAL’S POLYTECHNIC

Pasuluri Bindu Swetha  
Dept. Of ECE, Stanley college of Engineering & Technology for Women, Hyderabad, India

★ ★ ★
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Sl No.</th>
<th>Titles and Authors</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>01.</td>
<td>Electrospinning of Chitosan/Poly (Vinyl Alcohol) Nanofibrous Membranes as An</td>
<td>1-6</td>
</tr>
<tr>
<td></td>
<td>Alternative Wound Dressing Material</td>
<td></td>
</tr>
<tr>
<td></td>
<td>➢ Harini Sosiati, Rafi Imam Ar-Rasyid, Parama Aji Darmawan, Krisdiyanto</td>
<td></td>
</tr>
<tr>
<td>02.</td>
<td>Effect of 45-Degree Capillary Pipe Slope on Horizontal and Fluid Viscosity on The</td>
<td>7-11</td>
</tr>
<tr>
<td></td>
<td>Water-Air Two-Phase Flow Pressure Gradient</td>
<td></td>
</tr>
<tr>
<td></td>
<td>➢ Sukamta, Muhammad Rocky Pratama, Sudarja</td>
<td></td>
</tr>
<tr>
<td>03.</td>
<td>Exploring Job Hopping Behavior Among Managers of Casual Dining Restaurants in</td>
<td>12-14</td>
</tr>
<tr>
<td></td>
<td>Klang Valley Area, Malaysia</td>
<td></td>
</tr>
<tr>
<td></td>
<td>➢ Hazrina Ghazali, Khairunnisa Mokhar</td>
<td></td>
</tr>
<tr>
<td>04.</td>
<td>The Strategic Management Process in Improving of Indonesian Defense Industries</td>
<td>15-20</td>
</tr>
<tr>
<td></td>
<td>➢ Novky Asmoro, Khaerudin, Marsono, Supandi</td>
<td></td>
</tr>
<tr>
<td>05.</td>
<td>Determination of Traffic Safety With Methods Alternative to Traditional Methods</td>
<td>21-26</td>
</tr>
<tr>
<td></td>
<td>➢ Coruhemine, Tortum Ahmet</td>
<td></td>
</tr>
<tr>
<td>06.</td>
<td>Advantage of Make-to-Stock Strategy Based on Linear Mixed-Effect Model</td>
<td>27-38</td>
</tr>
<tr>
<td></td>
<td>➢ Yu-Pin Liao, Shin-Kuan Chiu</td>
<td></td>
</tr>
<tr>
<td>07.</td>
<td>Faculty Researchers and Non-Researchers in the Context of Teaching Performance</td>
<td>39-44</td>
</tr>
<tr>
<td></td>
<td>and Personal Profile</td>
<td></td>
</tr>
<tr>
<td></td>
<td>➢ Jake M. Laguador, Joseph Cezar L. Deligero, Cecilia C. Pring</td>
<td></td>
</tr>
<tr>
<td>08.</td>
<td>Influence of The FLC’S Parameters of The UPQC in The Distributed Generation</td>
<td>45-50</td>
</tr>
<tr>
<td></td>
<td>➢ C. Benachaiba, B. Mazari, M. Habab, C. Benoudjafer, N. M. Tandjaoui</td>
<td></td>
</tr>
</tbody>
</table>

★★★
EDITORIAL

It is my proud privilege to welcome you all to the Academics World International Conference at Bandar Seri Begawan, Brunei Darussalam. I am happy to see the papers from all part of the world and some of the best paper published in this proceedings. This proceeding brings out the various Research papers from diverse areas of Science, Engineering, Technology and Management. This platform is intended to provide a platform for researchers, educators and professionals to present their discoveries and innovative practice and to explore future trends and applications in the field Science and Engineering. However, this conference will also provide a forum for dissemination of knowledge on both theoretical and applied research on the above said area with an ultimate aim to bridge the gap between these coherent disciplines of knowledge. Thus the forum accelerates the trend of development of technology for next generation. Our goal is to make the Conference proceedings useful and interesting to audiences involved in research in these areas, as well as to those involved in design, implementation and operation, to achieve the goal.

I once again give thanks to the Academics World, Institute of Research and Journals & The IIER for organizing this event in Bandar Seri Begawan, Brunei Darussalam. I am sure the contributions by the authors shall add value to the research community. I also thank all the International Advisory members and Reviewers for making this event a Successful one.

Editor-In-Chief
Dr. P. Suresh
M.E, Ph.D. Professor and Controller of Examinations,
Karpagam College of Engineering,
Coimbatore, India.

■ ■ ■