



IARI 2018

Conference Proceeding

Book of Papers

2nd “Interdisciplinary Academic Research and Innovation” (IARI 2018)

Editor:

Dr Ahmad Saddam Ph.D., Country Director (Global Illuminators Iraq)

ISBN: 978-969-9948-97-8

Printed and Published by: Global Illuminators Malaysia

IARI 2018 Conference Organizing Committee

Conference Chair

Farooq Ahmed Jam (Ph.D.)

Executive Director (Global Illuminators)

Conference Co- Chair

Tariq Iqbal Khan (Ph.D.)

Director Global Operations (Global Illuminators)

Conference Co-Chair

Muhammad Abbas (Ph.D.)

Director Policy & Research (Global Illuminators)

Conference Coordinator

Dr. Hastirullah Fitrah (Ph.D.)

Conference Coordinator

Dr. Hairudinor (Ph.D.)

On Chee Hoong

Manager Operations (Global Illuminators)

Editor Conference Proceeding

Ahmad Saddam

Country Director Iraq (Global Illuminators)

Conference Chair Message

Farooq Ahmed Jam (PhD)

2nd International Conference on “Interdisciplinary Academic Research And Innovation” (IARI-2018) serves as platform that aims to help the scholarly community across nations to explore the critical role of multidisciplinary innovations for sustainability and growth of human societies. This conference provides opportunity to the academicians, practitioners, scientists, and scholars from across various disciplines to discuss avenues for interdisciplinary innovations and identify effective ways to address the regional and global challenges faced by our societies. The research ideas and studies that we received for this conference are very promising, unique, and impactful. I believe, these studies have the potential to address key challenges in various sub-domains of social sciences and applied sciences. The scholars attending this conference will certainly find it helpful in refining their own research ideas, finding solutions to basic/applied problems they face and interact with other renowned scholars for possible future collaborations.

I am really thankful to our honourable scientific and review committee for spending much of their time in reviewing the papers for this event, selecting the best paper awards and helping the participants in publishing their research in affiliated journals. Also special thanks to all the session chairs from industry, academia and policy-making institutions who volunteered their time and support to make this event a success.

A very special thanks to the great scholars for being here with us as key note speakers. Their valuable thoughts will surely open the horizon of new research and practice for the conference participants coming from across the globe. I am also thankful to all the participants for being here with us to create an environment of knowledge sharing and learning. We the scholars of this world belong to the elite educated class of this society and we owe a lot to return back to this society. Let's break all the discriminating barriers and get free from all minor affiliations. Let's contribute even a little or single step for betterment of society and welfare of humanity to bring prosperity, peace and harmony in this world. Stay blessed.

Type of IARI Papers

For this year, IARI has two types of papers: *Empirical Studies* and *Insight*. Research papers meet the needs of researcher and reviewed on the basis of highest academic standards. The objective of the academic paper is to contribute in the scientific body of knowledge. Contrary, Inside papers meet the needs of policy makers and professionals and reviewed on the basis of high practical standards. The objective of the Insight is to identify the real world problems and how can solve with the help of information systems.

Reviewing Criteria

In IARI all papers are used to judge on the criteria (relevance, significance, originality, validity and clarity). However some criteria differ between the Research papers and Insight papers.

Relevancy: Relevancy has a great impact on the theme of the conference. The material is relevant and according to the theme of the conference.

Significance: Knowledge in different researches in the conference is related to research papers and insight papers.

Originality: Ideas that are new for the researchers are used in the conference.

Validity: Research papers in the conference are based on theory while the insight papers in the research are based on experimental researches. References are according to content.

Clarity: Papers are according to the format, language is easy and understandable by the audience in the conference.

Acceptance Rates

| Full Research Papers | | | | |
|----------------------|-----------------|-----------|--------------------|-----------------|
| Submitted Papers | Accepted Papers | Withdrawn | Unqualified papers | Acceptance Rate |
| 27 | 11 | 7 | 9 | 40.74% |

Copy right Agreements

In IARI 2018 proceedings all authors are agreed on the copy right agreement. This agreement shows that only authors can retain copyright. It also permits that nobody can use for non-commercial purpose such as to download, print out etc. of an article published in the IARI 2018 proceedings. All credit is given to the authors and they have copyright agreements. This copyright agreement and use license ensures, among other things, that an article will be as widely available as possible and that the article can be included in any scientific archive.

Acknowledgment

A huge numbers of people helped in conducting the conferences. First of all thanks to all the members of the Conference and Program Committee and representatives of the IARI board and their helpers. We also want to thank all the Track Chairs, Track Co-Chairs and reviewers, as well as all the member of the Scientific Committee for their help in the review process and organizing the tracks and special sessions. We thank everyone for their hard work and dedication to this conference and we look forward to the latest episode of the IARI tradition.

Farooq Ahmed Jam (Ph.D.), Tariq Iqbal Khan (Ph.D.) and Muhammad Abbas (Ph.D.)

Program Chair & Co-Chairs

IARI 2018 Scientific and Reviewers Committee

BUSINESS, MANAGEMENT AND ECONOMIC STUDIES

Palti Marulitua Sitorus (Ph.D.)
Chair of Scientific & Review Committee
Telkom University Indonesia

Mej Mohd Noor Azli bin Hj. Ali Khan (Ph.D.)
University Technology Malaysia.

Prof. Ravindran Ramasamy (PhD)
Graduate School of Business,
UniRazaK, Kuala Lumpur, Malaysia

Prof. Madya Raja Roslan Raja Abd. Rahman (Ph.D.)
Human Resource Development/Management,
University Technical Malaysia Melaka,

Ludmila Mládková (Ph.D.)
Faculty of Business Administration, Department of Management
University of Economics Prague,

Mohd Norfian Alifiah
Faculty of Management,
Department of Accounting and Finance,
Universiti Teknologi Malaysia, Malaysia

Ahmed Saddam (Ph.D.)
Country Director- Iraq
Global Illuminators

Mohammad Hamad Khalef AlKhresheh (Ph.D.)
Country Director-Jordan
Global Illuminators

Christophe Schinckus (Ph.D.)
School of Management
Ken Edwards Building
University of Leicester

Dr. Suresh B.Gholse (Ph.D.)
VatarMeherbaba College,
Rtm Nagpur University, Nagpur, India

Tahir Masood Qureshi (Ph.D.)
College of Business Administration
American University in the Emirates, UAE

Ghulam Rasul Awan (Ph.D.)

UCP Business School, UCP Lahore, Pakistan

Lau Wee Yeap (Ph.D.)

*Faculty of Economics & Administration,
University of Malaya, Kuala Lumpur, Malaysia*

Vignes Gopal

*Faculty of Economics and Administration
University of Malaya, Malaysia*

J. A. Arul Chellakumar (Ph.D.)

Head Department of Economics
*Bharathidasan University, India
Tiruchirappalli, Tamilnadu, India*

Girish Karunakaran Nair (Ph.D.)

Programme Leader
*International Hospitality Management Faculty
Stenden University, Qatar, Qatar*

Galla Venkata Rama Krishna Acharyulu (Ph.D.)

*School of Management Studies,
University of Hyderabad, India.*

Santi Rahmawati

*School of Business and Management,
Institut Teknologi Bandung*

Amir Hossein Dastaviz (Ph.D.)

*Institute of Graduate Studies,
University Of Malay, Kuala Lumpur, Malaysia*

Syed Ahmed Salman

*International Islamic University
Malaysia, Gombak, Selangor, Malaysia*

Dr. Wurim Ben Pam (Ph.D.)

*Federal University, Dutsin-ma,
Katsina State- Nigeria*

Wang, Yu-Mei

Asia University, Taiwan

Aglis Andhita Hatmawan

STIE Dharma Iswara Madiun, Indonesia

Hasnun Anip Bin Bustaman

University Teknologi MARA Malaysia

Bertin Chen

Vanung University, Taiwan

Susan Irawan Rifai

Centro Escolar University, Philippine

Jihoon Kim

Ehime University, Korea, South

Chien-Tu Jeff Lai

National Chengchi University, Taiwan

Haykel Hadjs Alem

LEM, University of Lille FRANCE,

Prof. Dr. Tarek Taha Ahmed

Faculty of Business,

Pharos University in Alexandria, Egypt

Samar J. Al-Barghouthi

Royal University for Women, Bahrain

Deus Ngaruko

Centre for Economics and Community Economic Development, the Open University of Tanzania

Mohammad Ehsani

Tarbiat Modares University,

Israel, Imam Khomeini International University, Iran

Ismail BİLGİÇLİ

Sakarya University Karasu MYO, Turkey

Tack Hyun Shin

Seoul National University of Science and Technology, Korea, South

Sun-Young Nam

Department of Pharmacology, College of Korean Medicine, Kyung Hee University, Seoul, 130-701, Republic of Korea

Vicent Stanslaus

The Open University Of Tanzania

Partha Ray

Indian Institute of Management Calcutta, Institute of Management Technology, Ghaziabad, India

SOCIAL SCIENCE AND HUMANITIES

Sailesh Sharma (Ph.D.)

*Deputy Vice Chancellor (Academic & International)
University of Malaya, Kuala Lumpur, Malaysia*

Siamak Khodarahimi (Ph.D.)

*Islamic Azad University,
Fars Province, Iran*

Rex Balena (Ph.D.)

*Oceanographer and Education Specialist
University of the Philippines in the Visayas*

Dr. A B Sharangi

*HOD, Research Scholar,
Agricultural University, India*

Jayson E. Lannu

Jose Rizal University, Philippines

Amandha Boy Timor Randita

*Faculty of Medicine,
Sebelas Maret University, Indonesia*

Gogoberidze George

Russian State Hydrometeorological University (RSHU), Russia

Krittawaya Thongkoo

Chiang Mai University, Thailand

Tzu-yi Lee

Chung Yuan Christian University, Taiwan

Dr. Renan Limjuco (Ph.D.)

*University of the Immaculate Conception
Davao City, Philippines*

Kankan Kasmana

Departemen Visual Communication Design-Indonesia Computer University, Indonesia

Monique Musni- Tagaytay, MA. Ed

University of the Immaculate Conception Philippine, Philippine

Naidu Narainsamy

Department of Psychology of Education, University of South Africa (UNISA), College of Education, South Africa

Sultanbayeva Gulmira

Al-Farabi Kazakh national University Kazakhstan

Emilio A. Cruz

*Bulacan State University, Malolos City, Bulacan
Philippines*

Si, Li

Wuhan University, China

Dr. Nessreen A. Elmelegy

Royal University for Women, Kingdom Of Bahrain, Bahrain

Dr. Shusil Kumar Das

Daffodil International University, Dhaka, Bangladesh

Dr. Rovelina B. Jacolbia

Polytechnic University of the Philippines

Sathiamoorthy Kannan

Institute of Educational Leadership, University of Malaysia

Dr. Isabella Musyoka-Kamere

Maasai Mara University, Kenyatta University Kenya

Hadi Ebadi

Universiti Teknologi Malaysia 2. Razi University, Iran

Dr. Shusil Kumar Das

Daffodil International University, Dhaka, Bangladesh

Botabaeva Ademi Erkebaevna

Eurasian National University named after L.N. Gumilyov, Kazakhstan

Girma Y. I. Menelik

Penza State University Russia, K. Satbaev Kazakh National Technical University Kazakhstan

I-Ju Chen

Ling Tung University Taiwan

Wen, Yvonne, Ying-Ya

National Formosa University, Taiwan

PHYSICAL LIFE AND APPLIED SCIENCES

Yan LI (Ph.D.)

Nanyang Technological University, Singapore

Md. Saleh Ahmed (Ph.D.)

*Department of Mathematics & Statistics
Sultan Qaboos University, Muscat, Oman*

Saon Banerjee (Ph.D.)

*OIC, AICRP on Agrometeorology,
State Agricultural University*

Mohd Nizam Omar

Universiti Utara Malaysia, 06010 UUM Sintok, Kedah, Malaysia

Amina Bakhrouf

*Laboratory of Analysis, Treatment and Valorisation of Environment Polluants and Products, Monastir,
Tunisia*

Shatrova, Olga

Russian State Hydrometeorological University (RSHU), Russia

ENGINEERING AND TECHNOLOGY STUDIES

Nurul Akmar Binti Emran (Ph.D.)

*Faculty of Information Communication Technology
Universiti Teknikal Malaysia Melaka*

Chee-Ming Chan (Ph.D.)

*Civil and Environmental Engineering
Universiti Tun Hussein Onn, Malaysia*

Zhaparov Meirambek Kazimovich (Ph.D.)

*Head of Micro learning Research Centre
Suleyman Demirel University, Kazakhstan*

Noor Zaman (Ph.D.)

*College of Computer Science and IT,
King Faisal University, Saudi Arabia*

Kelly Whealan George (Ph.D.)

Embry-Riddle Aeronautical University (ERAU), USA

Prof. Dr. Hj. Dwi Kartini , SE. Spec. Lic (Ph.D.)

*University of Computer Indonesia (Unikom)
Bandung Indonesia*

Valeria Ersilia Oniga (Ph.D.)

*Department of Terrestrial Measurements and Cadastre
Technical University "Gh.Asachi" from Iasi
Romania*

Prof. Dr. Hj. Dwi Kartini , SE. Spec. Lic (Ph.D.)

University of Computer Indonesia (Unikom)

Bandung Indonesia

Mira Rahayu

Telkom University Indonesia, Indonesia

Ony Widilestariningtyas

Universitas Komputer Indonesia, Indonesia

Yully Ambarsih Ekawardhani

UNIKOM, Institut Teknologi Bandung, Indonesia

Emel Zeray

Selcuk University Geomatics Department, Turkey

Nedjah

Preparatory School of Sciences and Technology (EPST Annaba), Algeria

Tashenova

L. N. Gumilyov Eurasian National University, Kazakhstan

Farah Jemili

Department of Computer Sciences, Higher Institute of Computer and Communication Techniques, Sousse University, Tunisia

Nahid Sanzida

Bangladesh University of Engineering and Technology (BUET) Bangladesh

HEALTH AND MEDICINE STUDIES

Balachandar S. Sayapathi (Ph.D.)

Faculty of Medicine, University of Malaya

Ahmed Kaid Naji Allow (Ph.D.)

Head of Dept. of Human Physiology

College of Medicine and Health Sciences

Sana'a University, R. Yemen

Prof. Dr. drg. Andi Zulkifli, M.Kes

Faculty of Public Health Hasanuddin University,

Makassar, Indonesia

Fauzie Rahman

Head of Health Policy Management Department at School of Public Health, Faculty of Medicine, Lambung Mangkurat University, Indonesia

Helia Rahbari

Faculty of Paramedical Sciences at Shahid Beheshti University of Medical Sciences, Iran

Dr Narjis Rizvi

Aga Khan University, stadium road – Karachi – Pakistan

Dr. Elvira Urgel(Ph.D.)

Centro Escolar University,china

Maria Bea Lao

Medical Technology/Medical Laboratory Science University of the Immaculate Conception Philippine

Nima Kasraie

Children's Mercy Hospital United State

Haseen Fariha

Bangabandhu Sheikh Mujib Medical University, Bangladesh

Der-Hsiang Huang

Graduate Institute of Professional Development in Education, Da-Yeh University, Taiwan

kazushi Okamoto

Aichi Prefectural University japan

Abolhassani Shahla

Shahrekord University of Medical Sciences, Shahrekord, Iran

Dr. Umme Kulsum Rima

Hajee Mohammad Danesh Science & Technology University Dinajpur, Bangladesh

Mohammad A. H. Khan

Faculty of Veterinary Science, Bangladesh Agricultural University

Enayatollah Kalantar

*Dietary supplements and Probiotic Research Center and Department of Microbiology and Immunology,
School of Medicine, Alborz University of Medical Sciences, Karaj, Iran*

Cahit Canbay

Yeditepe University, Turkey

Rahbari,Helia

Faculty of Paramedical Sciences at Shahid Beheshti University of Medical Sciences, Tehran, Iran

Cheng-Chi Chang

Graduated Institute of Oral Biology, National Taiwan University, Taipei, Taiwan

Bodin Oleg N

Ling Tung University Taiwan

Zahra Godarzi

Tehran University of Medical Sciences Iran

Zhou Rui-Hua

School of Public Health, North China University Of Science And Technology

Proceeding of 2nd International IARI Conference ---, Banjarmasin, Indonesia October2018

A.Saddam

IARI 2018 Keynote Speakers

Assoc. Prof. Dr. Ariffin Abdul Mutalib
Schools of Multimedia Technology and Communication
Universiti Utara Malaysia

Dr. Ariffin started his academic career as a tutor in 1999. He obtained his Master in Interactive Multimedia from Heriot-Watt University, Scotland in 2001 & PhD from UUM in 2009 and appointed as a lecturer in 2007 at same institution. Since 2002 until now, he has secured various research grants, funded nationally and internationally. Nevertheless, he has also been appointed as a consultant for projects by industry players. Not only he excelled in research works, his postgraduate supervision is also excellent. From his first PhD supervision in 2011, six of his students have graduated. He has published more than 30 articles in Scopus journals, and more than 15 articles in ISI journals. On top of that, he has also been appointed as a keynote speaker and invited speaker in various conferences. Now, he is serving as a Dean of the School of Multimedia Technology and Management, UUM Malaysia. His research interests include Interaction Design, Usability, Multimedia for teaching and learning, Emergent technology, and Game-based learning.

IARI 2018Track's Chairs

Social Sciences and Humanities Studies

Farooq Ahmed Jam & Gusti Marliani

Juhriyansyah Dalle & Deni Altin Tamin

Ariffin Abdul Mutalib & Azhari

Business, Management and Economic Studies

Juhriyansyah Dalle & Anny Rimalia

Rusdiyana & Ariffin Abdul Mutalib

Engineering and Technology Studies

Farooq Ahmed Jam & Masruhi Muchtar

Health and Medicine Studies

Farooq Ahmed Jam & Maryna Kyrylchuk

Best Paper Nominee List

Establishment of a Liquid Chromatography/Tandem Mass Spectrometry (Lc-Ms/Ms) Assay for Quantification of Dihydroartemisinin in Plasma for Monitoring of Antimalarial Resistance

Dona Arlinda¹, Intan Sari Oktoberia², Muhammad Karyana³, Kesara Na-Bangchang⁴

^{1,4} Thammasat University, Thailand

^{2,3} National Institute of Health Research and Development, Ministry of Health, Indonesia

Promoting the Craft Industry “Antemoro Paper” in Ambalavao Madagascar

Randrianarivony Miarintsoa Dina^{}*

Universitas Padjadjaran, Indonesia

Master Student from Madagascar

Factors Affecting the Software Developer’s Performance

Bibhushan Raj Joshi^{}*

Bandung Institute of Technology (ITB), Indonesia

Master Student from Nepal

IARI 2018 Best Paper Award Winner

Factors Affecting the Software Developer's Performance

Bibhushan Raj Joshi^{*}

Bandung Institute of Technology (ITB), Indonesia

Master Student from Nepal

List of IARI 2018 Academic Papers

1. Business, Management and Economic Studies

ID: IARI-18-117

A Literature Review Analysis of Linear Programming Applications in Function Management

Maryna Kyrylchuk^{1*}, *Iendy Zelvian Adhari*², *Arini Rivai*³, *Nurul Adli Suyud*⁴, *M. Fahrie Dwintara*⁵

Universitas Padjadjaran, Indonesia

Master student from Ukrain

ID: IARI-18-119

Promoting the Craft Industry “Antemoro Paper” in Ambalavao Madagascar

Randrianarivony Miarintsoa Dina^{*}

Universitas Padjadjaran, Indonesia

Master Student from Madagascar

ID: IARI-18-121

Factors Affecting the Software Developer's Performance

Bibhushan Raj Joshi^{*}

Bandung Institute of Technology (ITB), Indonesia

Master Student from Nepal

ID: IARI-18-140

The Effect of Employee Work Satisfaction on Organizational Commitment (Study in Pt. Fif Group Branch Martapura)

Muspiro^{*}

University of Lambung Mangkurat, Banjarmasin, Indonesia

2. Social Sciences & Humanities

ID: IARI-18-118

Reducing Global Warming and Stopping Unnecessary Pollution through Regulating and Levying Private Transport Means in Bandung

*Mutebi Denis**

Universitas Padjadjaran Bandung, Indonesia

Master Student from Uganda

ID: IARI-18-124

The relationship of crime to society in the countries of Asia and the Arabs

*Mohammed Hamed Mohammed Alehirish**

Sunan Ampel State Islamic University Surabaya, Indonesia

Master Student from Libya

ID: IARI-18-126

A Comparative Study on Attitude of Youth towards Drinking Alcohol A Case Study in Vientiane (Laos) and Surakarta (Indonesia)

Xaixana Chanthavong

Sebelas Maret University, Indonesia

Master Student from Laos

ID: IARI-18-128

A Case Study on Dialogues Translation in Indonesian Version Pride and Prejudice: From Perspectives of Conversational Implicature

*Liwenlin**

Universitas Sebelas Maret, Indonesia

Master Student from China

ID: IARI-18-134

The Influence of Motivation and Work Environment on Employee Performance Bank Kalsel Branch Batulicin, South Kalimantan

*Muhammad Nasir**

Lambung Mangkurat University, Banjarmasin, Indonesia

3. Health and Medicine Studies

ID: IARI-18-103

Establishment of A Liquid Chromatography/Tandem Mass Spectrometry (Lc-Ms/Ms) Assay for Quantification of Dihydroartemisinin in Plasma for Monitoring of Antimalarial Resistance

Dona Arlinda^{1}, Intan Sari Oktoberia², Muhammad Karyana³, Kesara Na-Bangchang⁴*

^{1,4} Thammasat University, Klonglung, Thailand

^{1,2,3} National Institute of Health Research and Development, Ministry of Health, Jakarta, Indonesia

4. Regional and Religious Studies

ID: IARI-18-120

Rumi's Philosophy of Religion

Mukhtar Hussain Qadeerzada^{}*

UNIKOM, Indonesia

Master student from Afghanistan

IARI Conference Committee

Conference Chair

Farooq Ahmed Jam (Ph.D.)

Executive Director (Global Illuminators)

Conference Co- Chair

Tariq Iqbal Khan (Ph.D.)

Director Global Operations (Global Illuminators)

Conference Co-Chair

Muhammad Abbas (Ph.D.)

Director Policy & Research (Global Illuminators)

Editor

Dr Ahmad Saddam (Ph.D.)

ISBN: 978-969-9948-97-8

Printed and Published by: Global Illuminators Malaysia