

CONFERENCE REPORT

4TH INTERNATIONAL CONFERENCE ON
APPLIED SCIENCES, ENGINEERING,
TECHNOLOGY AND MANAGEMENT
(ICASETM-21)

29th & 30th December 2021
Dubai

Organized by

Institute for Engineering Research and Publication
(IFERP)



Venue: Holiday Inn Bur Dubai - Embassy District, Dubai

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1.EVENT SUMMARY

Conference Name: 4th International Conference on Applied Sciences, Engineering, Technology and Management (ICASETM-21)

Date: 29th & 30th December 2021

Organized by: Institute For Engineering Research and Publication

Mode: Hybrid Conference

ISBN No.: 978-93-92105-12-8

1.1 OVERVIEW

The 4th International Conference on Applied Sciences, Engineering, Technology And Management (ICASETM-21), which is scheduled to take place on the 29th and 30th of Dec, 2021 in the beautiful city of Dubai will focus on establishing the bar for effective future inclinations with engineering, applied sciences, technology, and management. The international conference has been specifically designed with the intention of delivering outstanding outcomes and challenges in the engineering sector. It intends to bring collectively researchers, scientists, technicians and scholars in all fields of the applied sciences, engineering, technology, and management, for the propagation of original research conclusions, new approaches and developmental practices that yield real results.

Participants will be afforded the incredible chance to interact with leading experts from their respective fields, taking the opportunity to draw everyone commonly in a panel and to bestow their plans in different countries.

ICASETM-21 strives to join the gap among researchers and academics in various domains, and this type of long-term imagination has resulted in the launching of this incredible and unique initiative involving experts from all fields. ICASETM - 2021 is organized specially to furnish delegates with hard-to-find knowledge and expertise that they will find nowhere else.

1.2 OBJECTIVE OF THE CONFERENCE

The main objective of the 4th International Conference on Applied Sciences, Engineering, Technology And Management (ICASETM-21) is to encourage scientific and informative exercises for the development of participants' lives by promoting the theory and application of different disciplines and divisions linked to the hurdles of experimental research.

One of the goals of ICASETM-21 is to give specialists a world-class stage to distribute research discoveries by using innovative means of lecturing and presenting. This one-of-a-kind lecture output will be of tremendous benefit to students participating in the event. Scientists will also be invited to distinguish significant research subjects in identified regions in the fields of applied sciences, engineering, technology, and management.

The 4th International Conference on Applied Sciences, Engineering, Technology And Management (ICASETM-21), one of the most comprehensive professional conferences of its kind in world, has been specifically designed to present technical and other assistance to intensify research and development enterprises, by proclaiming high quality research findings, as well as research papers/articles.

2. ABOUT IFERP

Institute For Engineering Research and Publication (IFERP) is one of the world's largest non-profitable professional associations meant for research development and promotion in the field of Engineering and Technology. We are a platform to promote the advancement and dissemination of the knowledge of Engineering & Technology.

IFERP is a professional association and a forum where innovations & research interest could be supported and developed prioritizing our mutual interest. Our forums & Associates constitute professional leaders & organizations, connecting each other with mission to work as wizards of science for defending the earth.

IFERP provides a world class platform for Scientists, Researchers, Academicians, Business figures by organizing conferences and publishing research articles. IFERP Conferences bring together the professional wizards and leaders who have explored all avenues to reinforce the field of Applied Science, Engineering and Technology.

3. INAUGURAL PROGRAMME

The day of the conference started with welcoming all the participants, dignitaries and special guest for the conference followed by introduction of session chair for the technical sessions.

3.1 WELCOMING AND OPENING CEREMONY

Welcoming Keynote Speakers of the 4th International Conference on Applied Sciences, Engineering, Technology And Management (ICASETM-21)

3.2 KEYNOTE SPEAKERS



PROF. ALAIN AIMÉ NDEDI

Chairman: International Council for Family Business
Cameroon, Central Africa



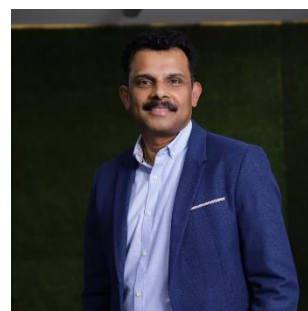
DR SHAHID YAMIN

Executive Chairman and Co-Founder
Global Opportunities Commercialisation Pty Ltd (GOC)
Greater Melbourne Area, Australia



DR. SEYED MOHAMMADREZA GHADIRI

Dean, Dean of School of Transportation and Logistics
Malaysia University of Science and Technology
Petaling Jaya, Selangor, Malaysia



DR.KIRAN NAIR

Director - MBA Program & Associate Professor of Management
Abu Dhabi School of Management (ADSM, UAE)



PROFESSOR ASMA SALMAN, PH.D

Blockchain Developer, ChFP, VCD, CFM
Professor of Finance, College of Business
Administration
The American University in the Emirates (AUE)
Dubai, United Arab Emirates.



DR. CHRISTOPHER ABRAHAM PH.D, FCIM

CEO & Head Dubai Campus & Sr.VP at S P Jain School
of Global Management,
TEDx & International Conference Keynote Speaker
United Arab Emirates

Followed by the welcoming our chief guest of the 4th International Conference on Applied Sciences, Engineering, Technology and Management (ICASETM-21)

3.3 SESSION CHAIR



Dr. Manish A. Kewalramani,

Associate Professor,

Department of Architectural Engineering, Faculty of Engineering,
United Arab Emirates University.

3.4 KEYNOTE SPEAKER BIOGRAPHY



PROF. ALAIN AIMÉ NDEDI

Chairman: International Council for Family Business
Cameroon, Central Africa

Biography:

Professor Alain Ndedi book was featured among the best books in intrapreneurship of all times. (<https://bookauthority.org/books/best-intrapreneurship-books>) is author of more than 40 books. World Bank and USAID consultant, and president of lancedafrique.org and Fondation Lance d'Afrique Burundi, Dr Alain A. Ndedi is currently teaching in various tertiary institutions accross Africa. Professor Ndedi is Founding Director of the Think Tank CABAC, and Past President of YENEPAD. Author of more than 100 peer reviewed articles in accredited journals.

As a scholar, he has supervised more than 50 PhD and 50 Master students. He wrote case studies on Amazon acquiring MGM, WhatsApp founders, Jan Koum and Brian Acton, Yahoo founding members Larry Page and Sergei Brin, Volkswagen unethical behaviour on gaz emissions levels, BlackBerry and Nokia faillure to innovate, Komatsu versus Caterpillar, Jeff Bezos at Amazon.com with the 2000 company strategic intent 'Grow first and make money latter' and Maponya Mall in Soweto.

Professor Ndedi was the Dean at the School of Business and Public Policy at the Saint Monica University, and the chief editor of the Journal of the Academy of Business & Public Policy. In South Africa, at the South African Broadcasting Corporation (SABC), Dr Ndedi attendance at the Monetary Policy Committee Conference of the South Africa Reserve Bank (SARB), gave him a broad understanding of Central Bank Monetary Policies and mechanisms and wrote numerous papers and books on the management of Central Banks and corporate good governance.

At Université Internationale des Sciences Appliquées du Développement (UISAD), I am teaching: Management of Ethics in the workplace, Quality Mangement in organisations, Entrepreneurship and Organisational Behaviour and Corporate Social responsibility

At the University of Johannesburg, he taught entrepreneurship, intrapreneurship, and strategic management. At Hope Africa University, he taught organisational behaviour and corporate ethics at MBA level. At the International Leadership University, Professor Alain Ndedi taught strategic management, Business Ethics and Corporate Social Responsibility to MBA students. He was researcher at Wits University at the Centre for Entrepreneurship.

He is head of the board of trustees of the International Council for Family Business; a platform assisting family business owners to efficiently hand over the company to future generations.



DR SHAHID YAMIN

Executive Chairman and Co-Founder
Global Opportunities Commercialisation Pty Ltd (GOC)
Greater Melbourne Area, Australia

Biography:

Dr Shahid Yamin is the Chairman and Director of Global Opportunities Commercialiaisation. He Has 40 years of diverse experience in business concept development through creative and innovative fusion of technology. He is a leader in product development, market validation and development. He is an expert in opportunities validation and disruption of markets to create higher economic and social value for the society through effective commercialisation.

He has a firm belief that sustainable businesses in the 21st century needs to foster on optimising profits by adopting innovative and unique business models that provides high economic, social and community values for the geographic territory in which the business operate.

He has helped clients to create, develop and execute successful start-up businesses in South East Asia, South Asia, Europe, Middle East and MENA regions. He has been advisor to government and industry bodies in the Middle

East and MENA regions to stimulate entrepreneurial growth and development within their societies. He has created, developed, and implemented centres for innovation and entrepreneurship capacity building.

He has led the development of scale for successful start-up business by designing innovative strategies that fosters on sustainable growth by creating and implementing unique business models that has the potential to have global reach.

Through his association with global universities he has lead the development of entrepreneurial capacity by training developing young executives to become dynamic business thinkers in creativity, innovation and entrepreneurship enabling them to create sustainable businesses across geographic territories.

His extensive experience with large diverse corporations such as BHP, Hoechst, UNIDO, Stone Manganese Marine resulted in the success of the above initiatives. Today, executives trained by Dr Yamin are successfully leading global business.

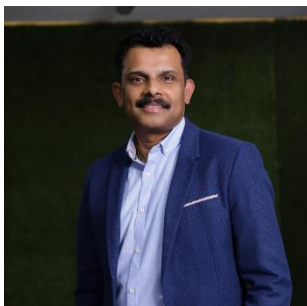


DR. SEYED MOHAMMADREZA GHADIRI

Dean, Dean of School of Transportation and Logistics
Malaysia University of Science and Technology
Petaling Jaya, Selangor, Malaysia

Biography:

Dr. Seyed Mohammadreza Ghadiri is the Dean of School of Transportation and Logistics, and he is the former head of postgraduate programs at Malaysia University of Science and Technology. Furthermore, he is the authorized Trainer/Instructor for courses leading to the FIATA Diploma in freight forwarding by FIATA Advisory Body Vocational Training, Switzerland. In September 2020 he was appointed as the dean of the school of logistics at Swiss Institute of Management & Innovation (SIMI), Switzerland. He has been invited as a guest Professor and Keynote speaker of many international events in different countries such as Spain, Poland, China, India, Iran, Vietnam, Myanmar, and Nigeria to deliver his speech, teach the students and train the lecturers and supervise the PhD researchers.



DR.KIRAN NAIR

Director - MBA Program & Associate Professor of Management
Abu Dhabi School of Management (ADSM, UAE)

Biography:

I am an International Marketing Professional with over nineteen years of experience in Marketing, Management, Human Resource Management, and Supply Chain Logistics Management. My track record shows my expertise and mastery in industry experience in the field of Marketing and Management. Throughout my professional life, I spared no effort in maintaining excellence that helps achieve a company's strategic goals. I have availed myself every opportunity that comes my way to pursue excellence and work on bottom lines by honing my dependable management and interpersonal skills.

From planning and mentoring to becoming an international Faculty, I take pleasure in welcoming challenges that put me on trial and help me to learn something new. My experience in Sales and Marketing has nourished my human skills so much that when I am a part of a team, I produce an interactive workforce with active networking that boosts productivity.

My current profession as a Director and an Associate Professor of Management has allowed me to hold multiple responsibilities and a multi-disciplinarian network. I consider myself proficient in managing and supervising a department that aligns with the University's vision statement. I know how to develop course material, review project reports, and carry out extensive research work and develop individualized academic action plans. I coordinate with strategic department heads and report to the Dean of Management.

Talking about my dynamic track record, as a Country Leader at Imation India Pvt Ltd, and keeping projects on track, I have also focused on ensuring operational efficiency and developing strategic plans. I acted as a Business Development Manager at Imation Middle East Dubai. I was able to generate much revenue through my product and Inventory Management and apply strategies to avoid risks.

Skills: Marketing, Business Management, Project Planning, and Execution, Teamwork, Marketing, Research & Strategy, Leading Organizational Development, Innovation, Training and Mentoring, and Conflict Management

**PROFESSOR ASMA SALMAN, PH.D**

Blockchain Developer, ChFP, VCD, CFM
Professor of Finance, College of Business Administration
The American University in the Emirates (AUE)
Dubai, United Arab Emirates.

Biography:

Professor Asma Salman is a Blockchain Developer and a Professor of Finance at the American University in the Emirates, UAE. An Honorary Global Advisor at Global Academy of Finance & Management USA, she completed her MBA in Finance & Accounting and earned a PhD in Finance from an AACSB member, AMBA accredited, School of Management at Harbin Institute of Technology, China. Her research credentials include a one-year residency at the Brunel Business School at Brunel University, UK. Prof. Salman also served as the Dubai Cohort supervisor for DBA students under the Nottingham Business School, UK for 7 years and is currently a PhD supervisor at the University of Northampton, UK where she is affiliated as a visiting fellow. She also served on the Board of Etihad Airlines during 2019-2020. One of her recent articles on “Bitcoin and Blockchain” gained wide visibility and is an active speaker on Fintech, Blockchain and Crypto events around the GCC. She holds various professional certifications including; Chartered Fintech Professional (USA), Certified Financial Manager (USA), Women in Leadership & Management in Higher Education, (UK), and Taxation GCC VAT Compliance, (UK). She recently won an award for “Blockchain Trainer of the Year” by Berkeley Middle East. Others include, Women Leadership Impact Award by H.E First Lady of Armenia, Research Excellence Award and the Global Inspirational Women Leadership Award by H.H Sheikh Juma Bin Maktoum Juma Al Maktoum.

**DR. CHRISTOPHER ABRAHAM PH.D, FCIM**

CEO & Head Dubai Campus & Sr.VP at S P Jain School of Global Management,
TEDx & International Conference Keynote Speaker
United Arab Emirates

Dr. Christopher Abraham has three Post Graduate qualifications in HRM, Business Administration (Marketing), Labor & Administrative Law and is a PhD in Business Administration (Design Thinking& Innovation). He is a Certified Design Thinker from IDEO/Stanford and is a Fellow of the Chartered Institute of Marketing (FCIM), UK. He has thirty-four years’ experience in management consulting, marketing, and management education in India, Singapore and the UAE.

Currently he is the CEO & Head - Dubai campus and Sr. Vice President (Institutional Development) at the S P Jain School of Global Management, a Forbes Top 10, Economist & FT Top 100 ranked Business School, with campuses in Dubai, Singapore, Mumbai and Sydney

Prof. Abraham has been a visiting Professor at many leading universities in Australia, USA, Canada, Singapore and UK. Earlier in Dubai, he headed the Executive MBA Program of XLRI, Jamshedpur, one of Asia’s top business schools.

His areas of competence are Innovation, Design Thinking, Behavioural Design, Neuroscience of Decision Making, Future of Education, Science of Happiness, Leadership, Marketing & Strategy.

A much sought after 3 x TEDx and international keynote speaker, he has successfully presented in numerous global forums and has also conducted many consulting and executive development assignments for global organizations, including The World Bank, The Executive Council (Govt. of Dubai), Emirates Airlines, SEWA (Government of Sharjah), Aramex, DHL, P & G, LG, AW Rostamani (Nissan Auto) etc

4. NATIONAL ADVISORY COMMITTEE

Prof. Dr. Abdulrazag Y. Zekri, Professor, Department of Chemical and Petroleum Engineering, United Arab Emirates University (UAEU)

Prof. Dr. Mousa F. Attom, Professor, Civil Engineering Department, American University of Sharjah, UAE

Tamer El Maaddawy, Professor, Department of Civil & Environmental Engineering, College of Engineering, United Arab Emirates University UAE

Dr. Raed Kamal Musa Qaqish, Associate Professor, Department of Architecture, Canadian University of Dubai, United Arab Emirates

Salah Haridy, Associate Professor, Department of Industrial Engineering and Engineering Management, University of Sharjah, UAE

Dr. Muataz Al Hazza, Associate Professor, Mechanical and industrial Engineering, American University of Ras Al Khaimah (AURAK), UAE

Wisam M. Abu Jadayil, Associate Professor, Industrial and Mechanical Engineering, College of Engineering, Abu Dhabi University, UAE

Anas Al Tarabsheh, Associate Professor, Department of Electrical Engineering, Abu Dhabi University, UAE

Sachidananda. H.k., Associate Professor, School of Engineering and IT, Manipal Academy of higher Education, UAE

Modafar Ati, Associate Professor, Department of CS&IT, College of Engineering, Abu Dhabi University, UAE

Dr. Khaled Galal Ahmed, Associate Professor, Department of Architectural Engineering, Faculty of Engineering, United Arab Emirates University, UAE

Dr. Ahmed Hassan Almurshidi, Assistant Professor, Geography and Urban Sustainability Department, United Arab Emirates University, UAE

Eyas Mahmoud, Assistant Professor, Department of Chemical and Petroleum, Engineering United Arab Emirates University, UAE

Mohamed Ibrahim Hassan Ali, Assistant Professor, Mechanical Engineering Department, Khalifa University of Science and Technology, UAE

Dr Latha Krishnadas, Faculty, Business Administration, Khawarizmi International College, UAE

Essa Georges Lwisa, Faculty of Chemical & Petroleum Engineering, United Arab Emirates University, UAE

Dr. Walaa Abdel Rahman Fouda, Assistant Professor, Media and Mass Communication, American University in the Emirates, UAE

Dr. Manish A. Kewalramani, Assistant Professor, Civil Engineering Abu Dhabi University, UAE

5. INTERNATIONAL ADVISORY COMMITTEE

Hazel Dr. SAMALA Mased, Chief, Research Ethics Center, Full-time Faculty, College of Education, Polytechnic University of the Philippines, Philippines

Dr. Diosdado C. Caronongan, Dean, College of Computer Studies University of Luzon, Philippines

Marmelo V. Abante, Dean, Graduate School, World Citi Colleges, Philippines

Dr. Asri Wijayanti, S.H., MH., Dean, Faculty of Law, University of Muhammadiyah Surabaya, Indonesia

Nathaniel Vincent Lubrica, Director, Research Services, University of the Cordilleras, Philippines

Sergio Peruda Jr., Director, Computer Engineering Program, Asia Pacific College, Philippines

Jackie Domondon Urrutia, Director, Research Management Office, Polytechnic University of the Philippines, Philippines

Dr. Hendy Tannady, Dean, Faculty of Business and Communication, Institut Teknologi & Bisnis Kalbis, Indonesia

Christine C. Bautista, Dean, College Of Engineering And Architecture, University of Nueva Caceres, Philippines

Manuel Luis C. Delos Santos, Dean, College of Computer Studies, First City Providential College, Philippines

Prof. Markokolakovic, Professor, Department of Entrepreneurship, Faculty of Economics & Business, University of Zagreb, Croatia

Professor Dr. Hatem Hatef Abdulkadhim Alyasari, Head, Department of Accounting, Cihan university Slemani, Iraq

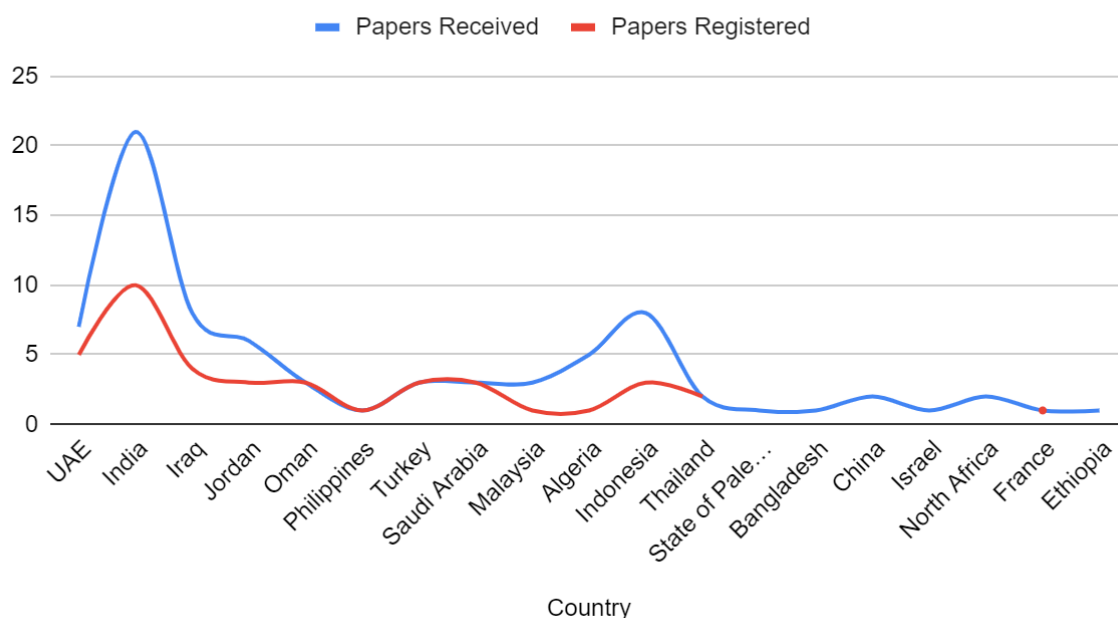
Rollakanti.Chiranjeevi Rahul, Senior Lecturer, Department of Civil Engineering, Middle East College, Oman

Prof. Dr. Ahmed Jalal khan Chowdhury, Professor, Department of Marine Science, International Islamic University Malaysia, Kuantan Campus, Malaysia

6. SURVEY ANALYSIS

Country List	Papers Received	Papers Registered
UAE	7	5
India	21	10
Iraq	8	4
Jordan	6	3
Oman	3	3
Philippines	1	1
Turkey	3	3
Saudi Arabia	3	3
Malaysia	3	1
Algeria	5	1
Indonesia	8	3
Thailand	2	2
State of Palestine	1	-
Bangladesh	1	-
China	2	-
Israel	1	-
North Africa	2	-
France	1	1
Ethiopia	1	-

Papers Received and Papers Registered



Delegates:

No. of Keynote Speakers: 6

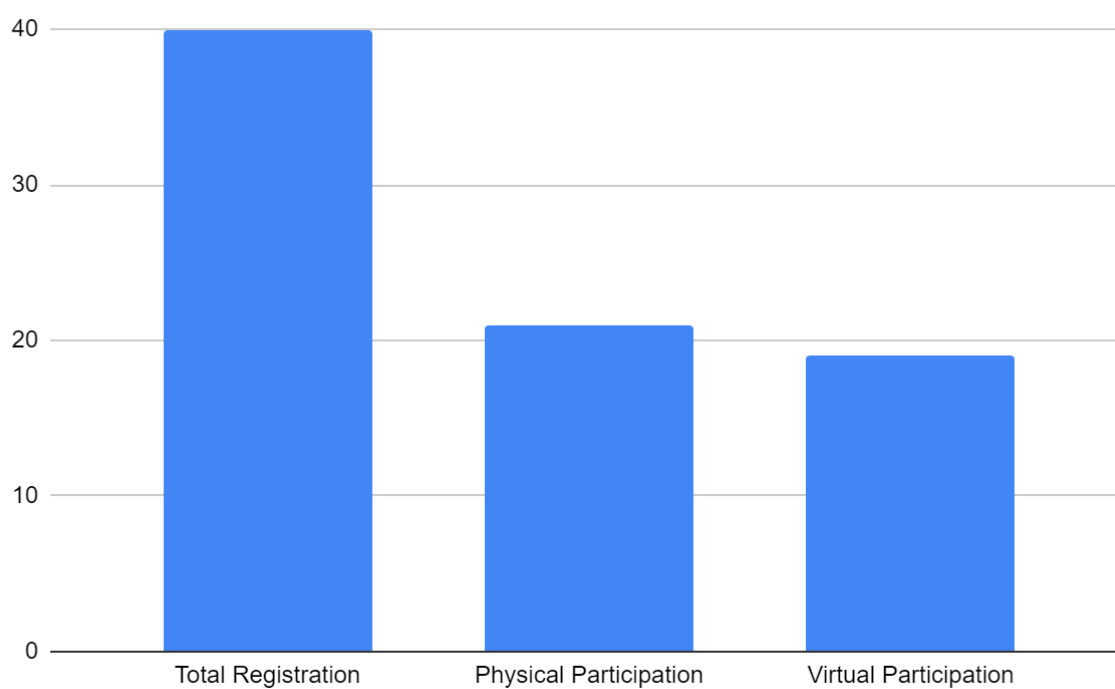
No. of Session Chair: 2

No. of Registrations: 40

Conference Mode: HYBRID

Physical Presentation: 21

Virtual Presentation: 19



7. VALEDICTORY

In the Valedictory best paper and best paper Presentation of 4th International Conference on Applied Sciences, Engineering, Technology and Management (ICASETM-21) was announced

Best Paper Award

Paper Title	Author name
The Impact of BIM Authoring Tools on the Business Agility of the Architectural Profession.	RaEd QaQish, Esam Azzam

Best Paper Presentation Award

Paper Title	Author name
Green Synthesis of Silver Nanoparticles from aqueous extract of <i>Tinospora crispa</i> stems accelerate wound healing in rats	Shokhan Osman Mahmud

8. VOTE OF THANKS:

4th International Conference on Applied Sciences, Engineering, Technology and Management (ICASETM-21) successfully hosted its premiere Hybrid conference on 29th and 30th December 2021. The conference was organized with a focus on Science, Engineering and Management” and it was a great success where eminent keynote speakers from various universities addressed the gathering.

The generous response and active participation of the National Committee Members. we take the opportunity to thank all the speakers, delegates and participants for providing their valuable support and time for ICASETM 2021.

Organizing Committee would like to thank the Moderator of the conference, and who contributed a lot for the smooth functioning of this event.

Congratulates the Best Paper, Best paper Presentation awardees for their outstanding performance in the field of Science, Engineering and Management and appreciates all the participants who put their efforts in poster presentations & Young Researchers form and sincerely wishes them success in future endeavours. We will meet you in another grant success conference. Thank you all.

9. CONFERENCE GLIMPSES



10. CONCLUSION SUMMARY

ICASETM 2021 was a success event organized by IFERP amid the COVID19 with a collective effort from committee members and all participants. This event provided a learning experience to all and shape ourselves to near future. We would like to conclude with Thank you to all.

OUR ASSOCIATES

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4 ICASETM-21

International Conference on
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ISBN : 978-93-92105-12-8