

Technical Session A, Tuesday 1/11/2022, 11:00 am - 1:00 pm Time (Bahrain time GMT+3)

Panel No. & Theme and link to session	Sessions & Titles	Participants
A 1: Waste Management	1. Municipal Solid Waste Management in South Asian Context - A Review	Jayendira P Sankar; Muhammad Abrarulhaq; Farheen Akram
	2. The Comparison of Crushed Plastic, Crushed Glass, and Wood Wastes: As an Alternative Fine Aggregates Mixture on CHB for Residential Structures to Reduce the Waste Management	Leon Christian T. Apit; Adriane M. Emia; Jose Ricardo P Gagarin
	3. Time Series Forecasting of Solid Waste Generation in Pasig River's Five Surrounding Cities Using LSTM	Orland D Tubola; Rinzo Meguel Vestidas Vista; Margaux V Macedonio; Jean Maureen S De Vera
	4. Cost-Benefit Analysis: Economic Feasibility of Implementing Recycling and Reusing Construction Waste Materials in Metro Manila, Philippines	Ryan Joshua M Noble; Jan Jlynn C Galvez; Caleb Jayson F Nicolas
	5. Kinetic Study of Heavy Metals Adsorption onto Activated Rice Straw in Suspended Biomass-Based System	Ahmad Hussaini Jagaba; Ibrahim Mohammed Lawal; Abdullahi Haruna Birniwa; Sule Abubakar; Kunmi Joshua Abioye; Ibrahim Umaru; Abdullahi Kilaco Usman; Nura Shehu Aliyu Yaro; Mohammed Kabir Aliyu; Haruna Kolawole Afolabi
	6. Evaluation of low-cost activated rice husk ash as adsorbents for COD and TDS removal in abattoir wastewater	Ibrahim Mohammed Lawal; Dalhatu Saleh; Ahmad Hussaini Jagaba; Usman Bala Soja; Abdulmalik Hussaini; Ibrahim Umaru
	A 1: (Moderator: Dr. Hajar Kadhem)	
A 2: Water Resources and Management (1)	1. Seasonal rainfall forecasting using ANN and MLR Techniques	Mohammed Majeed Hameed; Mustafa Mohammed Aljumaily Aljumaily; Mohamed Khalid AlOmar; Adil Masood; Abeer W. Alshami; Bashar H. Ismael
	2. Impacts of Climate Change on the Water Availability in Brgy. Nagbalayong, Morong, Bataan	Charmie E Llenarez; Maria Cecille L Limos; Allan Jay A Valencia
	3. Contribution of Landsat 8 OLI data to groundwater exploration in the Tagragra of Akka inlier (Anti-Atlas, Morocco)	Abdelmejid Rahimi; Ikram El Mjiri; Mohammed Bounif
	4. Reducing the water wastage during ablution process through smart faucet systems in Mosques in India	Nazish Abid; Mohd. Resaal Ansari
	A 2: (Moderator: Dr. Abrar Habib)	
A 3: Education for Sustainable Development	1. E-Learning Through Augmented Reality Technology	Fayzeh Abdulkareem Jaber; Ayman Al-khazraji
	2. Opinion Mining on Faculty Performance during Pandemic using Vader Algorithm	Mary Anne M. Sahagun
	3. How Attention Makes a Difference? A case study on mathematical expressions recognition	Sakshi Sakshi; Sachin Lodhi; Vinay Kukreja
	4. Transfer learning-based sustainable climate recognition system	Rishabh Sharma; Vinay Kukreja; Arun Aggarwal
	4. Experts' opinions in the shade of climate change education: using content analysis on curriculum in Bahrain	Nahed Yusuf Salman; Mahmood Saeed Mustafa Alalawi; Mariam Al-Mannai; Asma Abahussain
	A3 (Moderator Dr. Shadiya AlHashmi)	
A 4: Heritage and Sustainable Development (1)	1. Inventory of Architectural Heritage Shophouses In Jalan Mendaling, Kajang Old Town	Amir Ridhwan Mohamed Kutty; Nayeem Asif; Fadzidah Abdullah; Zeenat Yusof; Aliyah Sanusi; Aida Kesuma Azmin
	2. Redesigning Heritage and History for a Sustainable Higher Education	Adriaan De Man
	3. Pandemic impacts on digital cultural heritage: Insights from Al Ain (UAE)	Boshra Hassan Taheri; Adriaan De Man
	4. Modelling the Antecedents of Perceived Barriers to Safeguarding the Sustainability of Intangible Heritage	Harveen Bhandari; Kanika Bansal; Amit Mittal
	A 4 (Moderator Ms. Hessa Al Atawi)	
A 5: Solar Systems and Technologies	1. Simulation, Design and Modeling of Lead-Free Double Halide Perovskite Solar Cell	Sakshi Sharma; Rupendra Kumar Pachauri
	2. Investigation of the thermal effect on the performance of dye-sensitive solar cells	Zainab Haider Abdulrahman; Dhafer Hachim; Ahmed Salim Naser Al-murshedi
	3. Power Quality Analysis of Grid -Tied Solar PV System Under Variable Irradiance Conditions in Hot-Arid Region	Raja Mohamed M Sumsudeen; Khaled Zehar; Ayman Al-khazraji; Mohammed Alarfaj
	4. Study Thermal Resistance of γ -Al ₂ O ₃ at Various Reaction Temperatures via TGA Analysis	Aiman A. Bin Mokaizh
	A 5 (Moderator: Dr. Ayman Al-Khazraji)	
A 6: Biodiversity and Ecology (1)	1. Weather Management System Using Ontology - A Case Study	Kaladevi R; Revathi Appovoo; Shanmugasundaram Hariharan
	2. Spatio-temporal evolution of land use in the Benslimane region using remote sensing between 1975 and 2020	Abdelmejid Rahimi; Ikram El Mjiri; Mohammed Bounif
	3. Classification of Common Insects using Transfer Learning and MobileNetV2	Sakshi Sakshi; Sachin Lodhi; Vinay Kukreja; Parish Singla
	4. Breakthroughs in Honey Bee Health, Continuous-Release Mist Diffusion of Thymol-Based Essential Oils: Part II - The Field Study	Kaitlyn N Culbert

	5. Ecotourism as a Pillar of Sustainable Development: Exploring the Impacts of Ecotourism Behaviors on Sustainable Development	Karim Ben Yahia; Fedia Bouslama
	6. Animal Images Classification using ResNet50	Sakshi Sakshi; Sachin Lodhi; Vinay Kukreja
	A 6: (Moderator: Ms Aysha Agah)	
A 7: Agriculture, Forestry, and Fisheries (1)	1. Designing an eco-friendly solution for inhibiting Aspergillus ochraceus and detoxification of ochratoxin A	Halima Hussein
	2. A Computer Vision-Based Disease and Quality Prediction of Potatoes	Noor Fatima; Raza Imam; Mohd Belal; Preeti Verma; Ghufraan Ullah
	2. Toxicity Assessment of River Ramganga	Noor Fatima; Raza Imam; Mohd Belal; Adnan Mohammad Siddiqui; Robeena Sarah
	3. Exogenous Application of Neem Oil Inhibits the Spread of Potyviruses in Potato Plants in the Field	Mustafa Adhab
	4. Speculate Wheat Rust Diseases Based on Weather Classification and Mask RCNN	Deepak Kumar; Vinay Kukreja
A 8: Technology Solutions for Health and Wellbeing	1. Use of the FLUKA Monte Carlo method to compare the dose deposit and the secondary particle fluence between neutrons and aneutrons	Tomfey Essakpa Bakolia; Abdessamad Didi; Rajaa Sebihi; Kokou Adambounou; Eyakifama Hazou
	2. Shoe extension using ultrasonic sensor and gyroscope for blinds	Shivam Umrao; Shikha Agarwal
	3. Electroencephalogram Channel Selection using Deep Reinforcement Learning	Abdullah Abdullah
	4. A Deep Learning Based Efficient Prediction Model for Early Stage Detection of Cervical Spine Problems	Sakshi Sakshi; Sachin Lodhi; Vinay Kukreja; Parish Singla
	5. Automated Classification of White Blood Cells Using Deep Learning Technique	Ramya Chinniah; Michaelraj Kingston Roberts; Priya Chinniah; Sri Hari Sudhan K
	A 8: (Moderator: Dr. Noor Aldoy)	

Technical Session B, Tuesday 1/11/2022, 2:00 pm - 4:00 pm Time (Bahrain time GMT+3)

Panel No. & Theme and link to session	Sessions & Titles	Participants
B 1: Greenhouse Gas Emissions and Carbon Footprint	1. Green Warehouse Practice: Critical Issues in Drone Technology Adoption	Siti Norida Wahab; Khoo Hoch Aun
	2. Economic Assessment And Operation Of a Hybrid Floating Solar-wind Power Plant at Kaptai in Chattogram	Sifat Ahmed Semel
	3. Income inequality and CO2 emissions: Empirical evidence from Asian Countries	Geetanjali Sharma; Asha Sharma
	4. A Brief Review on Green Hydrogen Technologies: Perspective and Challenges	Fazil Qureshi; Mohammad Yusuf; Mohd Arham Khan
	5. Forecasting CO2 Emissions Using ARIMA Model in the Kingdom of Bahrain	Nahed Yusuf Salman; Mahmood Saeed Mustafa Alalawi; Yusuf Ismaeel; Mariam Al-Mannai
	B1 (Moderator: Dr. Hajar Kadhem)	
3 B 2: Water Resources and Management (2)	1. Water availability analysis considering Climate Change RCP Scenario in Magat Dam	Christopher Jason G Perlada; Mac Julius Capistrano; Aron Christian P. Alvarez
	2. Alternative Options for Achieving Water Sustainability: A mini-review	Arun Lal Srivastav; Rinku Saini; Chetan Sharma
	3. Classifying Water Quality using Ensemble Machine Learning Algorithms	Fuad Ahmad Musleh; Ranyah Taha
	4. Anionic Methyl Orange Dye Removal Using Polymer-Based Nano-adsorbents	Shehu Sa'ad Abdullahi; Abdullahi Haruna Birniwa; Ahmad Hussaini Jagaba; Rania Edrees Adam; Azmatullah Noor; Shehu Habibu; Habibun Nabi Muhammad Ekramul Mahmud; Isyaku Sale
B 3: Waste Management (2)	1. Efficacy of low-cost activated rice husk and sawdust ash as adsorbents for iron and manganese removal in abattoir wastewater	Ibrahim Mohammed Lawal; Usman Bala Soja; Ahmad Hussaini Jagaba; Abdulmalik Hussaini; Dalhatu Saleh; Sule Abubakar
	2. Effect of petroleum industry effluent on nutrient removal in extended aeration activated sludge system	Azmatullah Noor; Ahmad Hussaini Jagaba; Abdullahi Haruna Birniwa; Mohammad Azeem
	3. Assessment of low-cost activated sawdust ash as adsorbents for COD and TDS removal in abattoir wastewater	Usman Bala Soja; Sule Abubakar; Abdulmalik Hussaini; Ibrahim Mohammed Lawal; Ahmad Hussaini Jagaba; Ibrahim Hassan; Dalhatu Saleh
	4. Health Care Waste Recycling Technology Selection using Fermatean Fuzzy Multi Criteria Group Decision Making	Saima Debbarma; Sayanta Chakraborty; Apu Kumar Saha
	5. Environmental Impact Assessment of Date Palm Wastes Composting in Oman	Farouq Twaiq; Ibrahim Al Syiabi; Baburao Gaddala
B 4: Innovative and Digital Design	1. Wireless Sensor Networks Lifetime Improvement Using Greedy Algorithm	Mona AbAyodeji Olalekan Salau; Berhan Oumer; Eyayaw Zewduulkarim AlSayegh (University of Bahrain)
	2. A Literature review on Brain-Computer Interface (BCI): Progress & Challenges	Vishal Srivastava; Neha Singh; Saloni Grover
	3. Design and Experimental Verification of a Laser Engraving Machine	Zeashan Hameed Khan
	4. Finite Time Cascaded Control for Trajectory Tracking of a Differential Drive Mobile Robot	Adisu Safo Bosera; Ayodeji Olalekan Salau; Asrat Gedefa Yadessa
	5. Morphology and Structure of PP/EPDM Blend as Sustainable Polymer Power Cable Insulation Material	Mohd Ridhuan Mohd Sharip; Kwan Yiew Lau; Zulkarnain Ahmad Noorden; Kuan Yong Ching; Dyg Norkhairunnisa Abang Zaidel; Josephine Lai Chang Hui
B 5: Sustainable Construction (1)	1. Seismic Analysis of Reinforced Concrete Buildings with Plan Irregularities	Uhmar Vince Plantado Acheron; Dennise Franchesca Aguila; Noralden Ali
	2. Optimization of Cost-Effectiveness and Incremental Cost Analysis in Construction: An Integration Utilizing Cost-Effectiveness Analysis In Smart vs Conventional Construction Materials	Bianca Michaela M. Estefanio; Kimberly Ann Castro Estavillo; Julianne Marie Intia Capillan
	3. Optimization of Acid-Pretreated Oil Palm Waste Clinker Modified Asphalt Mixtures Via Response Surface Methodology	Nura Shehu Aliyu Yaro
	4. Influence of Waste Ceramic Tiles and Foundry Sand on Mechanical Properties of Concrete	Ahmad Hussaini Jagaba; Ibrahim Umaru; Ibrahim Mohammed Lawal; Abdullahi Haruna Birniwa; Nura Shehu Aliyu Yaro; Sule Abubakar; Aminu Shehu Yakubu; Ahmad Batari; Shehu Sa'ad Abdullahi
	B5 (Moderator: Nehal Almurbati)	
B 6: Sustainable Management and Resilience Planning	1. Correlation Between the Characteristics and Effects of Disastrous Typhoons in Northern, Central, and Southern Islands of the Philippines	Pearly Mel Santiago Go
	2. The emergence of LeanBIM in the AEC industry: influence of the company size barrier	K Idrissi Gartoumi; M Aboussaleh; Z Smail
	3. A Framework for Sustainable Management of University-Industry Partnerships in Bahrain	Nada Megahed; Aamal Al-Ramidhi
	4. The Conformational Approach to Green Marketing as a Tool for Environmental Sustainability	Waleed A. Aziz

	5. An Ecological Approach for Tourists Projects in the Southern Area of the Kingdom of Bahrain	Dalia Eldardiry; Islam Hamdi El Ghonaimy; Walaa Husain
B 7: Innovation and Technology for sustainability	1. XceptionNet-based Transfer Learning Model for Weather Image Recognition	Sakshi Sakshi; Sachin Lodhi; Vinay Kukreja; Parish Singla
	2. AC Breakdown Performance of Polypropylene Blended with Ethylene Based Elastomers	Siti NoorHazirah Kamarudin; Kwan Yiew Lau; Chee Wei Tan; Kuan Yong Ching; Noor Azlinda Ahmad
	3. Sustainable PRS: A hybrid DL-based parcel recognition approach	Ankit Bansal; Rishabh Sharma; Vinay Kukreja; Amitoj Singh
	4. Improved THD for grid-connected PV multi-level inverter utilizing modified MPPT	Anjali Rawat; Md. Sarwar; Prashant Gupta; Anwar Shahzad Siddiqui
B 8: Sustainable Communities and Urbanism	1. Exploring the Classification of a Proximity System and the Dynamism of Space	Haider Jasim Essa Al-Saaidy
	2. Performance Evaluation of Internet of Vehicles Protocols	Ishita Seth; Kalpna Guleria; Surya Narayan Panda
	3. Impact of a Residential Neighborhood on Microclimate in Bahrain	Motaz Mestarehi; May Khalfan
	4. A Study on Functional Vitality of Parks for Sustainable Development of Cities	Niva Turna; Harveen Bhandari
	B 8 (Moderator: Dr. May Khlafan)	

Technical Session C, Wednesday 2/11/2022, 10:00 am - 12:00 pm Time (Bahrain time GMT+3)

Panel No. & Theme and link to session	Sessions & Titles	Participants
C 1: Renewable Energy, Sustainability and Transportation	1. Assessing the Impact of COVID-19's Travel Restrictions on Mobility Trends in the UAE	Yahya El Traboulsi; Khaled Hamad; Abdallah Shanableh; Rami Al-Ruzouq
	2. Assessment of Existing Traffic Condition and Efficiency Measurement of Public Utility Lanes along Signalized Intersection of Dimasalang Road-Leong Laan-Lacson Avenue, Manila City	Lennon Lo
	3. Assessment of Uninterrupted Pedestrian Facility, Case Study of Al-Mohanbabu Street	Abeer Khudhur Jameel
	4. A Mini Review on Storage Techniques of Hydrogen	Fazil Qureshi; Mohd Arham Khan; Mohammad Yusuf
	5. An Improved Orientation Strategy of Shunt Capacitor Bank using ACCS with the Electrical Distribution Network	Ali M Eltamaly; Osama El Sayed Morsy; Amer Nasr Abd Elghaffar; Yehia Sayed Mohamed; Abou-Hashema Mustafa El-Sayed
	C1 (Moderator Dr Anamika Jiwane)	
C 2: Sustainable Power, Design and Energy	1. Structure of Propylene/Ethylene-Octene Copolymer Blend as Sustainable Cable Insulation	Mohd Ridhuan Mohd Sharip; Kwan Yiew Lau; Zulkarnain Ahmad Noorden; Chee Wei Tan; Dyg Norkhairunnisa Abang Zaidel; Josephine Lai Chang Hui
	2. Comparative Study of Sewage Sludge Thermal Behavior at Different Ashing Temperature	Kunmi Joshua Abioye; Noorfidza Yub Harun; Suriati Sufian; Reshidran Nahenthara Raj; Ahmad Hussaini Jagaba; Abdul Sami
	3. Influence of Modelling Wind Gust on Transient behavior of Power System with Fixed Speed Wind Farm	Fawzi A.Rahman AL Jowder
	4. Simulation of Bearing Capacity and Settlement of Soil from Model Plate Load Test	Aminu Shehu Yakubu; Ahmad Hussaini Jagaba; Ibrahim Umaru; Ibrahim Mohammed Lawal; Sule Abubakar
	5. Synchrophasor Enabled and PMU Facilitated Line Differential Protection in IEC 61850 Based Substations	Ab Rashid Wani; Iqbal Ali; Inam ul Haq
	C 2 (Moderator: Prof. Fawzi Al Jowder)	
C 3: Smart Cities and Urbanism	1. Emergence of Smart Buildings in India: A road towards Sustainable Development	Akshit Gupta; Saksham Grover; Varenym Bhardwaj; Urvashi Tandon
	2. The Sustainable Development Strategies of Green Leisure Space Planning of Changhua Coastal Industrial Park in Taiwan	Chi-Chiang Hsieh
	3. Smart Cities: A Multi-Aspect Approach	Zoran P Čekerevac; Fawzi Mohammed Munir Al-Naima; Sergey Kirsanov
	4. Comparative Analysis of Junction-based Vehicular Ad hoc Network Routing Protocols	Ishita Seth; Kalpna Guleria; Surya Narayan Panda
	5. Evaluating the urban sprawl impact on the environment using remote sensing in El Jadida region (Morocco)	Ikram El Mjiri; Abdelmejid Rahimi; Mohammed Boonie; Fatna Zaakour
	C3 (Moderator Arch. Farial Khan)	
C 4: Smart Buildings and Resilience	1. Estimation of Maximum Power Generation Using Rooftop Photovoltaic Modules in Taman Kerian Putra	Mohd Nadzri Mamat; Mohamad Nazir Abdullah; Dahaman Ishak; Suardi Kaharuddin
	2. Integrating Thermal Insulation Cladding, Green Infrastructure, and BIPV in Envelope Retrofitting of Existing Emirati Houses	Khaled Galal Ahmed; Baraah Hamdoon; Noor Abdelwahed; Amara Balkheir Balobaid; Reem Nehail Abdulla Alaryani; Maitha Mughair Salem Alameemi
	3. Optimality in Evaluating Atypical Tall Buildings for Sustainable Design: Review and Conceptual Workflow	Fadi H Alkhatib
	4. A Comparative Study of Plasticity and Compaction Characteristics of Black Cotton Soil Stabilized with Quarry Dust	Aminu Shehu Yakubu; Ibrahim Umaru; Ahmad Hussaini Jagaba
	5. Smart tourism: Bibliometric analysis using Dimensions database	Rakesh Ahlawat; Parmesh Dutt; Abhishek Chander; Vikas Verma; Mandeep Ghai; Sanjeev Kumar Garg
	C4 (Moderator Dr Mona Isamil)	
C 5: Sustainable Materials and Manufacturing	1. Comparative Study on the Effect of Coconut and Baobab Fruit Shell on the Mechanical Properties of Natural Rubber Composites	Shehu Sa'ad Abdullahi; Abdullahi Haruna Birniwa; Rania Edrees Adam; Ahmad Hussaini Jagaba; Shehu Habibu; Isyaku Sale; Haruna Abdulbakee Muhammed; Saidu Abdullahi
	2. The influence of Zambarano shell on the mechanical properties of natural rubber composites	Rania Edrees Adam Mohammad; Shehu Sa'ad Abdullahi; Abdullahi Haruna Birniwa; Ahmad Hussaini Jagaba
	3. Pi-Shaped Dual Band Rectangular Dielectric Near Field Focused Antenna	Kamran Ashraf
	4. DC Breakdown Properties of Polypropylene Nanocomposites containing Calcium Zirconate	Nur Atikah Johari; Kwan Yiew Lau; Zulkurnain Abdul-Malek; Mona Riza Mohd Esa
C 6: Social and Organizational Sustainability	1. Role of Metalitics in Corporate Decision Making	Vishal Sharma; Shefali Saluja
	2. Technostress and Job Satisfaction: A Study on Women IT Professionals	Manpreet K Arora; Sukhpreet Kaur
	3. Robotic Process Automation (RPA) based Model for Inventory Management of Online Travel Agency (OTA): A New Paradigm for Industrial Automation	Amandeep Sharma; Kalpna Gulezian; Shagun Sharma
	4. What satisfies IT Outsourcing clients? And do their service providers know?	Pradeep Khanna; Balraj Verma; Amit Mittal
	5. Work Place Spirituality and Organizational Sustainability: An exploratory study	Ansa Savad Salim, Jr.

C 7: Agriculture, Forestry, and Fisheries (2)	1. Fuzzy Logic Control System of EC, pH, Temperature, and Humidity Based on Mamdani Inference on a Hydroponic Culture of Lettuce	Orland D Tubola; Revan Steven C. Evangelista; Juan Gabriel L. De Leon; Gyoji A. Kato; John Carlo D Turqueza
	2. Melatonin blocks the spread of potyviruses in potato plants under field condition	Mustafa Adhab
	3. TDC: An MLP-based sustainable DL model for oak wilt disease classification	Ankit Bansal; Rishabh Sharma; Vinay Kukreja; Amitoj Singh
	4. All so Perfect Model: MobileNetV3-based classification agricultural crop images	Sakshi Sakshi; Sachin Lodhi; Vinay Kukreja
	5. Assessment of Accumulation of Heavy Metals in agricultural soils in the Sahel of Doukkala (Morocco)	Fatna Zaakour
C 8: Sustainable Construction (2)	1. Building Information Modelling and Lean Construction for Sustainable Road Construction	K Idrissi Gartoumi; M Aboussaleh; Z Smail
	2. Compressive Strength Analysis of Green Concrete Using Powdered Coconut Shells & Cleaved Horn Snail Shells as Alternative Aggregates Compared to the Traditional Concrete Mixture	Roentjen F. Gose
	3. Using BIM to increase the efficiency of energy-driven retrofitting projects	Anne Grego; Shannon Chance; Barry McAuley
	4. Development of reinforced sustainable floor tiles by recycling of waste plastics	Ashish Soni, AS; Pankaj Kumar Das; Sanjay Kumar

Technical Session D Wednesday 2/11/2022 1:00 pm - 3:00 pm Time (Bahrain time GMT+3)

Panel No. & Theme and link to session	Sessions & Titles	Participants
D 1: Innovation and Technology in the Built Environment	1. Application of 5R's of Sustainability in Hotel Industry	Pooja Arya; Rakesh Ahlawat; Banti Ahlawat
	2. A Grid-Connected Hybrid System Utilizing Solar & Waste of Chattogram City	Kazi Meharajul Kabir; Shimanta Khastagir; MD. Ashrafuzzaman Chashi
	3. Analysis of Lithium-Ion Battery Storage System for Sustainable Energy Generating Pad Applications	Kazi Meharajul Kabir; Shuza Binzaid; John Attia
	4. Valorization of Agri-waste into Form Works: A Sustainable Substitute Building Material in the Philippine Construction Sectors	Nicole Ann Morales
	D1 (Moderator Dr Shaker Haji)	
D 2: Sustainable Finance, Marketing, Investment and Management	1. A Bibliometric and Scientometric analysis on adoption and application of Blockchain technology in enhancing Digital Currency performance	Abu Bashar; Mustafa Raza Rabbani; Mohammad Selim; Mahmood Ali; Mohammad Atif; Zehra Zulfikar
	2. The Impact of Board Effectiveness and Audit Quality on Family Business Performance: Empirical Investigation	Khaled Salmen Aljaaidi; Raj Bahadur Sharma; Abdulla Al-Jalahma
	3. Utilizing Google Map Reviews and Sentiment Analysis: Knowing Customer Experience in Coffee Shops	Mary Anne M. Sahagun
	4. Innovative Practices in the Green Supply Chain Management of Organic Cosmetic Companies: An exploratory study	Ansa Savad Salim, Jr.; Karim Ben Yahia
	5. Marketing Sustainability, Resilience, and Innovation Capacity: Lessons from the Online Retail Industry	Waleed A. Aziz
D 3: Innovative and Digital Design (2)	1. Machine Learning algorithms to determine the Water Quality: Comparative Analysis Based Study	Sakshi Sakshi; Chetan Sharma; Shamneesh Sharma
	2. Salp Swarm Optimization-Based Improved Closed-Loop Speed Control for a 3-phase IM Motor Drive with SVPWM Switching and V/f Control	Qusay Hussein; Naseer Yasin; Nabil K Alshamaa
	3. Adoption of virtual reality within the construction industry: Architects' perspective	Shurooq Ahmed; Abdulla HusamAddin Ahmed
	4. Revealing the effect of Excitation Cross-Coupling on the Performance of LFC in Multi-Area Hybrid System	Ch Naga sai Kalyan; Srikanth Goud B; Ch Rami Reddy; P Srinivas Varma; B Nagi Reddy
	D3 (Moderator Ms Noor Alalawi)	
D 4: Heritage and Sustainable Development (2)	1. The 'sense of place' in sacred space and Architectural Heritage: Dacien Temple, Xi'an, China	Minglan Zou; Azizi Bahaiddin
	2. Designing for Heritage: A Pedagogical Approach for Cultural Sustainability5	Tamadher Alfahal
	3. Manama: A Case of a Cultural Heritage Transformation	Manal Abdulrazzaq Alaradi; Hawra Jaafar Shaikh Mansoor
	4. Narrative Research on Sustainable Confucian Architecture: Courtyard based Case Studies in Shandong Area	Weihan Rong; Azizi Bahaiddin
D 5: Health	D4 (Moderator Dr Tamadher Alfahal)	
	1. Evaluation of Adaptive Synthetic Resampling Technique for Imbalanced Breast Cancer Identification	Tsehay A. Assegie; Ayodeji Olalekan Salau
	2. Dahs: Development of Android Based Healthcare System Using Cloud Computing	Stalin Subbiah
	3. Impact of COVID-19 on Urban and Rural Health of India	Reetu Malhotra; Deepak Raheja; Shruti Soni
	4. Smart Tracking System (STS) for Site Workers	Salwa Baserrah
D 6: Agriculture, Forestry and Fisheries (2)	5. Color Management for Health and Well being	Akanksha Ghai
	1. Modern GPS diagnostic technique to determine and map soil hardpan for enhancing agricultural operation management	Omar H Sadoon
	2. Using the nanoparticles technology as a new innovation to control arthropods Polyphagotarsonemus latus (Banks) on potato	Ahmed B Aljuboory
	3. Modeling the Adoption of Hybrid Rice Seeds Brands among Farmers for sustainability in Agricultural Development	Deepika Jhamb; Vinayak Raman Sharma; Amit Mittal; Sukhpreet Kaur
	4. Feed-Forward Neural Network (FFNN)-based Precision Agriculture System for the Growth of Oyster Mushrooms	Orland D Tubola; Rex Albert A Arcega; Jocelyn B Roberto; Krizzah S. Dela Cruz; Joshua Alegria Hic
D 7: Sustainable Communities and Public Impact		
	1. Residential Interior Design by Social Innovation	Nuha Mesfer Alqahtani; Hana Aljowder; Fatema A.Aziz Qaed
	2. Review of Energy Poverty in Pakistan Using Indigenous Energy Resources	Muhammad Abrarulhaq; Jayendira P Sankar; Farheen Akram; Gazi Md Nurul Islam
	3. Automating Reverse Image Search: An Approach to Detect Discrepancy in Images Using Selenium and Python	Sakshi Sakshi; Sachin Lodhi; Vinay Kukreja
	4. Promoting inclusivity in kids Playground: A case study analysis	Zainab Abdulhusain; Reem Sultan