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List of the Presented Manuscripts

81 papers were submitted before the submission deadline. **70** papers were accepted after the reviews. Finally, **67** papers were presented at the conference. According to the IEICES 2023 policies, only the presented papers were mentioned in the manuscripts. Hereby, **67** papers were listed. It's pitied that **3** papers were not presented by the authors.

No.	ID	Title	Presenter	Pages
1	IEICES09-002	Parametric Optimization of Selig S3014	Md Saifur Rahman	1-5
2	IEICES09-003	Mapping and Estimation of Road Traffic Emissions in Caraga Region using Sentinel 5P Satellite Images	Benzyl Moran Metran	6-12
3	IEICES09-004	Development of a 10 kW Solar Photovoltaic Power Plant for Bonwary Lal Govt. High School	Md Saifur Rahman	13-20
4	IEICES09-005	An Analysis of the Photocatalytic Activities of ZnO Nanoparticles: Factors Influencing Dye Degradation	Asraf Ibna Helal	21-27
5	IEICES09-007	Estimation of Permeability of Soil-Fly Ash Mix using Machine Learning Algorithms	Joemel Galupino	28-33
6	IEICES09-008	Molybdenum disulfide (MoS₂)-based cathode materials for magnesium (Mg²⁺) and Mg²⁺/Li⁺ hybrid-ion batteries: Progress and perspective	Omar Falyouna	34-42
7	IEICES09-009	Applications of spectroscopic-based techniques for quality and safety evaluation of tomatoes: A mini-review	Marjun C. Alvarado	43-50
8	IEICES09-010	A Preliminary Evaluation on the Development of Edible Drinking Straw from Guso (<i>Eucheuma cottonii</i>) Seaweeds	Marjun C. Alvarado	51-58
9	IEICES09-011	Thickness optimization of Al₂O₃ tunneling layer in CBTS solar cells using SCAPS software	HENNI Wafaâ	59-64
10	IEICES09-012	Utilization of Metal Based Nanoparticles in Biomedical Imaging Technologies	Newton Neogi	65-71
11	IEICES09-015	A Mini Review of Photocatalytic Effects of Nano TiO₂ and an Analysis of Their Effectiveness	Md. Golam Sazid	72-78
12	IEICES09-016	Cofiring of Oil and Gaseous Fuels Through an Innovative Coaxial, double swirl Burner	Ahmed Adam	79-85
13	IEICES09-017	Nexus Between CO₂ Emission, Economic Development and Energy Consumption in Bangladesh	Jamilur Rahman	86-92
14	IEICES09-018	Where to build? A suitability modelling approach for university campuses location-allocation in Japan	Ahmed M.S. Mohammed	93-100
15	IEICES09-019	Understanding students' residential dynamics around university campuses: A computational agent-based modelling approach	Ahmed M.S. Mohammed	101-108

16	IEICES09-020	A Mini Review on Utilization of Nano Cellulose in Sensing Applications	Kristi Priya Choudhury	109-116
17	IEICES09-021	DESALINATION OF SEAWATER USING REVERSE OSMOSIS METHOD	RITUPARNA TALUKDER	117-122
18	IEICES09-022	Recent advances with CNT, Nanocellulose and Their Composites in Different Industries	Sabbir Hossain1	123-130
19	IEICES09-024	A Mini Overview of Biomedical Utilization of Zeolitic Imidazolate Frameworks	Sabbir Hossain1	131-137
20	IEICES09-026	A Mini Overview of Post Synthetic Modification of Synthesized Zeolitic Imidazolate Frameworks	Kristi Priya Choudhury	138-145
21	IEICES09-028	Utilization of Nanomaterials in Electrochemical Sensor: A Review	Kristi Priya Choudhury	146-153
22	IEICES09-029	CHARACTERIZATION AND EVALUATION OF ARATILES (Muntingia calabura) FRUIT ALCOHOLIC BEVERAGE	Eldie Rabuya Labisto	154-160
23	IEICES09-031	Mangrove Forest Conservation-Based Tourism Industry Development in Indonesia	Erni Puspanantasari Putri	161-167
24	IEICES09-032	Suitability Mapping for White-fleshed (Hylocereus undatus) and Red-fleshed (Hylocereus costaricensis) Dragon fruit Farming in Butuan City Using Multi-Criteria Decision Analysis and GIS	Armdin A. Valmoria	168-174
25	IEICES09-033	GIS-Based Land Suitability Analysis for Adlai Grits (Coix Lacryma-Jobi L.) Cultivation in Agusan Del Sur Using Multi-Criteria Decision-Making	Armdin A. Valmoria	175-181
26	IEICES09-035	Assessment on the Level of Mechanization in the Production and Post-Production Systems of Corn in Surigao del Sur, Philippines	May Rose Boston-Osoteo	182-187
27	IEICES09-036	Effects of car wake on performance of low-capacity wind turbine mounted on highways	Thanh Dat Phan	188-195
28	IEICES09-037	Measuring The Enjoyment of Mobile Library Services among University Students in Bangladesh: A Study	Sadia Sultana Emu	196-200
29	IEICES09-038	ASSESSMENT ON THE LEVEL OF MECHANIZATION IN THE RICE PRODUCTION AND POST-PRODUCTION SYSTEMS IN SURIGAO DEL SUR	Art M. Dalman	201-206
30	IEICES09-039	Progresses in Utilizing Quantum Dot Nanomaterials for Various Industrial Applications.	Newton Neogi	207-213
31	IEICES09-040	Impact Assessment of Land Use and Land Cover Change of Agusan River Basin to Climate Using Geospatial Techniques and Regression Analysis	ALJON E. BOCOBO	214-220
32	IEICES09-041	J-tip Blood Channel Fluid Dynamics Simulation	Muhammad Javaid Afzal	221-225
33	IEICES09-042	Study the heat exchanger through ANSYS Fluent	Muhammad Sufian	226-231

34	IEICES09-043	Development and Evaluation of Taro (Colocasia Esculenta) Leaves And Banana Pseudo Stem (Musa Acuminata) as an Alternative Hydrophobic Paper Bag	Joan Jane J. Sanchez	232-239
35	IEICES09-044	Assessment of Land Use Land Cover Classification using Support Vector Machine and Random Forest Techniques in the Agusan River Basin through Geospatial Techniques	JUVEN G. LUZORATA	240-246
36	IEICES09-045	Hydrogen production of anaerobic digestion: A review	DING JIANNING	247-252
37	IEICES09-046	Effects of Target-Substrate Distance on Growth and Mechanical Characteristics of Nanodiamond Composite Coatings Fabricated by Coaxial Arc Plasma Deposition on WC-Co Substrate	Mohamed Ragab Diab	253-260
38	IEICES09-048	Analyzing the Behavior of Li-B Electrothermal Voltage and Capacity Loss under Varying Temperatures and Discharge rates	Muhammad Arsalan	261-266
39	IEICES09-049	Analyzing the Viability of Decentralized Renewable Energy Solutions for Rural Electrification in Marginalized Communities of Pakistan	Rafiq Ahmad	267-271
40	IEICES09-050	Simulation of Two Series Packed-Bed Reactors for SO₂ Oxidation Reaction	Alimzhan Kalbekov	272-278
41	IEICES09-052	Investigating the Influence of Urban Density and Concentrations on Commuting Distance and Time: Empirical Evidence from Suhag City	Islam M. S. Abouelhamd	279-286
42	IEICES09-053	Irradiation-Induced Hardening of Zircaloy-2 at Room Temperature Under External Stress Conditions	Luwei XUE	287-292
43	IEICES09-054	The role of local energy markets in low voltage networks: community-based approaches	Mehrani Modi	293-298
44	IEICES09-055	A study on Zerovalent Iron Nanoparticles, Fe²⁺ and Fe³⁺ enhanced double chamber microbial fuel cells	Yu Xie	299-304
45	IEICES09-056	The Legacy of urban sprawl on wildlife conservation: A case study of Nairobi National Park	Ruth Onkangi	305-312
46	IEICES09-058	Mini review on the application research of nanoscale zero valent iron in water treatment	Luo Yi	313-320
47	IEICES09-059	Design and development of an Artificial Neural Network-based Maximum Power Point Tracker (ANN_MPPT) for the residential solar photovoltaic	Ryotaro Torikai	321-326
48	IEICES09-060	Integrating Prior Knowledge from Meta-Learning and Large Language Models for Cold-Start Recommendation	Yixiao Liu	327-333
49	IEICES09-061	Exploring the Magnéli Phase of Transition Metal Oxides: A Promising Frontier for Thermoelectric Advancements	Mostafa M. Elkady Hakem	334-342
50	IEICES09-062	OpenFOAM-based Numerical Simulation on Capillary Flow in Closed Hierarchical Microchannels	Gaurav Kumar	343-348
51	IEICES09-064	Enhanced Biomass Gasification by Catalyzing the Pyrolysis of cedarwood Using Biochar Catalyst	Ramadan Eljamal	349-354

52	IEICES09-065	Biophysical investigation of the binding mechanism for industrial dye molecular association with serum protein	Rengka Tissopi	355-360
53	IEICES09-066	Performance Analysis of Robust Acoustic Circular Microphone Array Beamformer	Sarah Nigar	361-367
54	IEICES09-067	Utilization of Metal Based Nanomaterials in DSSC: A Review.	MD. Golam Sazid	368-375
55	IEICES09-068	A Mini Overview of Wastewater and River Water Treatment by Various Nanoparticles	Tahzib Ibrahim Protik	376-383
56	IEICES09-069	An Overview and Statistical Study on the Photocatalytic Activities of Fe based metal oxide Nanoparticles.	Tahzib Ibrahim Protik	384-390
57	IEICES09-070	Empowering Sustainability, Innovative Deep Learning and Remote Sensing Solutions for Urban Monitoring and Sustainable Development	MUHAMMAD SALEM	391-396
58	IEICES09-071	Numerical Study of Jet Inverse Diffusion Flames Issuing from an Elliptical Burner	Ahmed Amer Ahmed Amer Mahgoub	397-404
59	IEICES09-072	Conjugated Polymers and ROMP: Synthesis, Applications, and Prospects for Technological Innovations	Mahmoud Masoud	405-411
60	IEICES09-073	Assessment of water safety and associated health risks of Nagaland's capital, Kohima: A physico-chemical and statistical investigation	Senchumbeni Yanthan	412-416
61	IEICES09-074	Advances in Nitrogen-Vacancy color centers in diamond for magnetometry: Advantages and Challenges	Ali Abdelrahman	417-422
62	IEICES09-075	Stability of Partially Premixed Ammonia /Methane Flames in a Concentric Flow Conical Nozzle Burner	Eslam Ibraheam Mohamed	423-428
63	IEICES09-076	Statistical analysis of turbulent flow over a building array using LES	Haitham Ahmed Mohamed Osman	429-434
64	IEICES09-077	Effect of Inner Swirl Angle on Flame Stability of a Double-Swirl Burner with Biogas-Methane Co-Firing	Ahmed Mohamed Abdulnaim	435-440
65	IEICES09-078	Valorization of post-consumer plastic packaging into a composite material	RAFENOMANANJARA Tsinjo Nirina	441-446
66	IEICES09-079	Indicator for formulating and measuring the Urban Sustainability Index: A Review	Baskaran Venkatesh	447-452
67	IEICES09-080	Comparative Performance Analysis Between Multi-Input Boost Converter and Multi-Input SEPIC Converter for Renewable Energy Sources	Nayeem Ahmed	453-459