



RESEARCH ASSOCIATION OF MASTERS OF ENGINEERING
INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN
MECHANICAL ENGINEERING AND NANOMATERIALS

ICRAMEN 2022

19-20 FEBRUARY 2022

LIST OF ACCEPTED PAPERS

Track 1 – Design and Analysis			
ICRAMEN PAPER ID	Manuscript Number	Article Title	Author Name
ICRAMEN-001	MATPR-D-21-08056	Experimental Investigation on Applying Waste Iron Filings in The Engineering Fields for Protection the Environment from Contamination	Abdullah Jabar Hussain
ICRAMEN-002	MATPR-D-21-09805	Analysis of the Shear Strength of Hybrid Materials Bars in Reinforced Concrete Beams without Stirrups	Ahmed S. Sedawy
ICRAMEN-003	MATPR-D-21-07898	The influence of different CAD/CAM materials on the marginal fit of endocrown with different cavity depths (A Comparative in-vitro study)	Ali M. Ewadh
ICRAMEN-004	MATPR-D-21-07741	The effect of physical abilities Material, Vo2max index, and achievement of 400-meter freestyle youth	Anas Saadoon Hussein
ICRAMEN-005	MATPR-D-21-09932	Static bending of functionally graded single-walled carbon nanotube Conjunction with Modified couple stress theory	Duaa Mohammed R Al-Shewailiah
ICRAMEN-006	MATPR-D-21-09809	Investigation of the Effect Material Responses Parameter (Alpha) On Stress-Strain Behavior During Loading and Unloading of Superelastic Shape Memory Nitinol Wire	Haitham Mohammed Ibrahim Al-Zuhairi
ICRAMEN-007	MATPR-D-21-10051	Effect of Addition of Glass Fibre on Sugar Cane Bagasse Ash Under Compressive Loading	Harshal Nikhade
ICRAMEN-008	MATPR-D-21-09974	Evaluating the functional performance of the entrance space in apartments of local affordable multi-family housing	Hiba A. Abdul Kareem Al- Yozbakee
ICRAMEN-009	MATPR-D-21-07539	Performance of Simply Supported Spliced Reinforced Concrete One- Way Slab with Different Types of Concrete in Splice Region	Israa Hussein Ali
ICRAMEN-010	MATPR-D-21-09476	Bending of Cross-ply laminated composite beams with various boundary conditions and loading	jawad karam zaboon, Dr
ICRAMEN-011	MATPR-D-21-09561	Numerical Investigation for the Flexural Load Behaviour of Profiled Composite Slab Strengthened with CFRP	Marwah M. Abdulrazzaq
ICRAMEN-012	MATPR-D-21-07833	Preparation of Tapered photonic crystal fiber Material to employ the Evanescent Wave for Sensing Applications	Nawras Ali. Salman
ICRAMEN-013	MATPR-D-21-09579	Behavior of RC Columns Strengthened By Combined (CFRP and Steel Jacket)	Rawaa Saadi Ibrahim
ICRAMEN-014	MATPR-D-21-08053	Assessment of bearing capacity and settlement characteristics of soft soils reinforced by crushed concrete and sodium silicate columns	Reem S. Nazar
ICRAMEN-015	MATPR-D-21-09568	New microstrip multiband filter for modern wireless applications using Kappa substrate material	Ruaa Ali Darwash
ICRAMEN-016	MATPR-D-21-09569	Validation of FE modeling of Cold-Formed Tube Lightweight Concrete Composite System	Tiba H. Saadi

ICRAMEN-017	MATPR-D-21-07739	Training of upgrading on unstable material surfaces and its effect on some special abilities, tack off variables and the achievement of the long jump for young women	Yusra Majeed Al-Sheikhly
ICRAMEN-018	MATPR-D-21-08137	Design and Performance Analysis of Modern Communications Systems Based on Multicarrier Compression Technique	Zahraa Eamd Fadel
ICRAMEN-019	MATPR-D-21-11294	Collapsible Roof Attachment - An All-Weather Protective Shield for Two-Wheeler Drivers	Satish Chandran Venkatachalam

Track 2 – Materials Science and Nanomaterials

ICRAMEN PAPER ID	Manuscript Number	Article Title	Author Name
ICRAMEN-020	MATPR-D-21-08050	The Inhibition Ability of copper nanoparticles Synthesized by Green Tea Extract on Healing the Induced Contaminated Wounds in Laboratory Hamsters	Abdalmohaimen M. Suood
ICRAMEN-021	MATPR-D-21-08138	Characterization, Biosynthesis of Copper nanoparticles using Ginger roots Extract and Investigation of its antibacterial activity	Adel H. Abbas
ICRAMEN-022	MATPR-D-21-07936	An Investigation of Manufacturing Technique and Characterization of Low-Density Polyethylene Waste Base Bricks	Ahmed Fadhil Hamzah
ICRAMEN-023	MATPR-D-21-08235	UV-Irradiation synthesized α -Fe ₂ O ₃ Nanoparticles based dye-sensitized solar cells	Ahmed Mahdi Rheima
ICRAMEN-024	MATPR-D-21-08956R1	Synthesis and characterization of epoxy and natural fiber composite material	Ali IsmailSalih
ICRAMEN-025	MATPR-D-21-07738	Study of Some Biochemical Materials Parameters in patients with Angina Pectoris	Aseel N. Sabour
ICRAMEN-026	MATPR-D-21-07599	The antibacterial activity of Poly (vinyl chloride) membrane impregnated with silver nanoparticles	Asmaa N. Al-Himeiry
ICRAMEN-027	MATPR-D-21-07937R1	A Review on Polymer Hydrogel and Polymer Microneedle Based Transdermal Drug Delivery System.	Atul Pratap Singh
ICRAMEN-028	MATPR-D-21-07940R1	Presence of Medicinal Materials in Drinking Water: A Review	Atul Pratap Singh
ICRAMEN-029	MATPR-D-21-08134R2	A Review on Derivatives of Fluorescein Aldehydes and Their Applications	Atul Pratap Singh
ICRAMEN-030	MATPR-D-21-11036	Investigation the influence of Nano ceramic on the Mechanical properties and shrinkage of lightweight concrete containing Silica Fume	Duaa H. Ahmad
ICRAMEN-031	MATPR-D-21-07740	Finding an alternative to nickel used in an alloy (copper-nickel) in electric power plants	EKBAL MOHAMMED SAEED SALIH
ICRAMEN-032	MATPR-D-21-08135	Influence of Barium Titanate Nanoparticles on the Optical Properties of (PS-PMMA) Blend	Falah H. Oraibi
ICRAMEN-033	MATPR-D-21-08234	Preparation and studying the electrical characteristics of (PS-PMMA-BaTiO ₃) nanocomposites for piezoelectric applications	Falah H. Oraibi
ICRAMEN-034	MATPR-D-21-07422	Preparation of a highly-reflective gold thin film by a sputtering technique using ionic coating system	Forat H. Alsultany
ICRAMEN-035	MATPR-D-21-07742	Tenoxicam-loaded polymeric micelles Material: Formulation, optimization, and evaluation	Hussein A. Abdul Hussein
ICRAMEN-036	MATPR-D-21-07743	Determination Role of Some Biomarkers Tests for severe SARS-COV-2 Infections in Babylon Province / IRAQ	Ibrahim Ms Shnawa
ICRAMEN-037	MATPR-D-21-08893	Structural Properties of nano {1-Y[Ba _{0.5} Sr _{0.5} Fe ₁₂ O ₁₉] + Y[Al ₂ O ₃]} composite material	Israa Noori Khalaf

ICRAMEN-038	MATPR-D-21-08854	Material Design and Biologically Activity of Some New Azetidines and Azetidine-2-ones as Antioxident	Mahmood Shakir Magtoof
ICRAMEN-039	MATPR-D-21-07597	Preparation, Diagnostics, and Biological Evaluation of New 1,3,4-Thiadiazol Derivatives	Manar Hamad Mohammed
ICRAMEN-040	MATPR-D-21-08897	Spectrophotometric determination of folic acid using 1,10-phenanthroline Materials with ninhydrin reagent	Mazin . Najm
ICRAMEN-041	MATPR-D-21-08052	Theoretical Compton Profile of Fcc Zinc (Zn)	Mohammed Z. Azeez
ICRAMEN-042	MATPR-D-21-09803	Phytoconstitutes Investigation of Chenopodium ambrosioides Linn. and Gas Chromatography with Mass Spectroscopy Material Analysis	Omar M. Abdulkader
ICRAMEN-043	MATPR-D-21-08965R1	Effect of laser on Magnetic properties of Nano composite material (Ni _{0.5} Co _{0.5} Fe ₂ O ₄) prepared by sol-gel	Omer Hamad Mohammed, Awatif SaberJassim
ICRAMEN-044	MATPR-D-21-08051	Investigations Of Structure and Properties of Layered Bioceramic HA/TiO ₂ and ZrO ₂ /TiO ₂ Coatings on Ti-6Al-7Nb Alloy by Micro-Arc Oxidation	Qabas Khalid Naji
ICRAMEN-045	MATPR-D-21-08055	Advanced Anticorrosive Coating Prepared from Poly [N-(Pyridine-2-yl) maleamic acid]/Graphene Derivatives Nanocomposites	Rawaa Abbas Mohammed
ICRAMEN-046	MATPR-D-21-07421	Doping Effect on the Optical Properties of (PVA: ZNO) Nanocomposites	Sanaa S. Najm
ICRAMEN-047	MATPR-D-21-08209	Synthesis and Characterization of Thiazolidine-4-one Compounds Derived from Chalcone and Evaluation of The Biological Activity of Some of Them	Souad Thamer Taha
ICRAMEN-048	MATPR-D-21-08096R2	Effect of Alloying Elements on the Microstructure and Mechanical Properties of High Chromium White Cast Iron and Ni-Hard Iron	Sudhakar Naga Arani
ICRAMEN-049	MATPR-D-21-09804	Reinforcement of Denture Base Materials with Nano Sisal Fibers Powder	Teba M. Hameed
ICRAMEN-050	MATPR-D-21-08370	Wear Response of Chopped E-glass Fiber Reinforced Epoxy with Various Volume Fractions and Concentration of (ZrO ₂) Nano Particle	wahhab ahmed Jasim
ICRAMEN-051	MATPR-D-21-08054	Modified anatase phase of TiO ₂ by WO ₃ nanoparticles: Structural, morphology and spectral evaluations	zaid Mahmoud
ICRAMEN-052	MATPR-D-21-09106R1	Corrosion Behavior of AZ31 Magnesium Alloys Coated with PMMA/HA as Biodegradable Implants	Zainab F. Al-Sherify, Nawal Mohammed Dawood, Zuheir Talib Khulief
ICRAMEN-053	MATPR-D-21-08985	Experimental Investigation of Non-Newtonian Natural Convection Nano-Fluid in Enclosure with Hot Obstacle	Zainab M. Agool
ICRAMEN-054	MATPR-D-21-10451	Influence of Mn ²⁺ Substitution on the Structural, Morphological and Magnetic Properties of Co ₂ Y Strontium Hexaferrites	Ajeet Kumar Srivastava
ICRAMEN-055	MATPR-D-21-10282	Study of negative growth rate on logistic map equation	Bhakti Patankar Rajvaidya

Track 3 - Thermal and Fluid Mechanics

ICRAMEN PAPER ID	Manuscript Number	Article Title	Author Name
ICRAMEN-056	MATPR-D-21-08655	Experimental Study of Condenser material in The Air Conditioning System	Abdulkareem Abdulwahab
ICRAMEN-057	MATPR-D-21-09806R1	Investigation for hydrodynamic processes of water in Khour Al-Zubair Port using hydrodynamic model	Ahmed A. Dakheel
ICRAMEN-058	MATPR-D-21-07598	The role of sustainable materials in reducing building temperature	Ahmed Faik Al-Mudhaffer
ICRAMEN-059	MATPR-D-21-09845	Comparison Of:V-Shaped Rib And Curve-Angled Ribs By Computation Heat Transfer Enhancement And Pressure Drop Internally Two-Phase Flow In Two-Pass Channel	Amal Oliwie
ICRAMEN-060	MATPR-D-21-08132	Ga ₂ O ₃ / CdO Composite: Synthesis and Characterization for Gas Sensing Application	Aqeel I. Faris
ICRAMEN-061	MATPR-D-21-08020	Energy Management and storage systems on Electric Vehicles: A comprehensive review	Dimitrios Rimpas
ICRAMEN-062	MATPR-D-21-08136	Electrochemical determination of anti-thalassemia drug (deferasirox) by cyclic voltammetry technique using GCE modified with MWCNTs electrode	Fatima Hamza M. baker
ICRAMEN-063	MATPR-D-21-09838	Experimental study for the effect of air gap in building walls on heat gain reduction	Hassan Kareem Abdullah
ICRAMEN-064	MATPR-D-21-09404	Studying The Impact of Condensate Blockage on Gas Production: A Review	Husam J. Sabea, OmarAl-Fatlawi
ICRAMEN-065	MATPR-D-21-08728	Modeling and Analysis of Home Heating System Material Performance with Induction Using Solar Energy	Lina Jassim
ICRAMEN-066	MATPR-D-21-09479	Clathrate-Based material Recovery of Hydrochloric Acid (HCL) From Spent Acids	Najlaa Jabbar Lazim
ICRAMEN-067	MATPR-D-21-10027	Reduction of Specific Heat Consumption by Modification of Reversal Cycle Period of Coke Oven Battery	Niranjan Mahato
ICRAMEN-068	MATPR-D-21-08963R1	Conducting a Computational Study for the Design of CFTS Solar Cell with High Efficiency Using The AFORS-HET Program	Rafea A. Munef
ICRAMEN-069	MATPR-D-21-09807	Experimental and Theoretical Investigations of Seepage Reduction through Zoned Earth Dam Material with Special Core	Zaid N. Alzamily
ICRAMEN-070	MATPR-D-21-10723	Influence of diethyl ether on the diverse characteristics of diesel engine fuelled with waste plastic biodiesel	Dhana Raju Vallapudi

Track 4 - Production and Industrial Engineering

ICRAMEN Paper ID	Manuscript Number	Article Title	Author Name
ICRAMEN-071	MATPR-D-21-07939	Implementation of Ambulance Health Care System Based on Raspberry-Pi and Internet	Ahmed Merza
ICRAMEN-072	MATPR-D-21-10097	Taguchi Design Analysis for Optimization of Probiotics Cholesterol Assimilation	Amr A. El-Waseif
ICRAMEN-073	MATPR-D-21-07834	Evolutionary trajectory hybridization for improving deep learning accuracy in medical data prediction system	Ihsan Salman
ICRAMEN-074	MATPR-D-21-08855	E-Learning Intension Material using TAM: A Case study	Madini O. Alassafi
ICRAMEN-075	MATPR-D-21-07938	The impact of the partnership between the public and private sectors on the infrastructure in Iraq, with reference to the experience of the General Company for Iraqi Ports	Manahil Al-Omari
ICRAMEN-076	MATPR-D-21-09631	Influence of Machining Parameters on Surface Roughness in Wire EDM Using Zinc Coated Brass Wire	Muayad M. Ali
ICRAMEN-077	MATPR-D-21-07935	Obstacles in Grid Rolling Out from 4G to 5G in Iraq	Mustafa Taha Hussein Al-Musawi
ICRAMEN-078	MATPR-D-21-07578	Influence of Workforce Agility on Crisis Management: Role of Job Characteristics and Higher Administrative Support in Public Administration	Pradeep Kumar Raut
ICRAMEN-079	MATPR-D-21-07314	African Buffalo Optimized Multinomial Softmax Regression based Convolutional Deep Neural Network for Software Fault Prediction	Sangeetha V