



IConMEAS 2021

06-07/10/2021, University of Duhok

Conference Program

Day 1: 6/October/2021 [Wednesday]

Time	Activities	Venue
08:00 am -09:30 am	Registration and Guests Arrival	Conference Hall [Main] - UoD
09:30 am- 10:00 am	Opening Ceremony - Assist. Prof. Dr. Dawood Sulaiman Atrushi [President of University of Duhok – Kurdistan Iraq] - Dr. Omar S. Dahham [IConMEAS 2021 Chairman]	Conference Hall [Theater] - UoD
10:00 am-11:30 am	Keynote Speakers - Prof. Dr. Riadh Al-Mahaidi [Swinburne University of Technology, Australia] - Assoc. Prof. Ts. Dr. Nik Noriman Zulkepli [UniMAP, Malaysia]	Conference Hall [Theater] - UoD
11:30 am-12:00 pm	Tea Break and Photo Session	Conference Hall [Main] - UoD
12:00 pm-02:30 pm	Poster Evaluation by Conference Committee [The Poster Presenters Must be Near Their Posters at this Time]	Conference Hall [Main]- UoD
12:00 pm-02:30 pm	Oral Sessions: Physical Participation Parallel Session 1 [Session Chair: Assist. Prof. Dr. Mohammed Aziz Ibrahim]	Conference Hall [1 st Hall]
	Parallel Session 2 [Session Chair: Assist. Prof. Dr. Khedir Ramazan Khedir]	Conference Hall [2 nd Hall]
	Parallel Session 3 [Session Chair: Assit. Prof. Dr. James H. Haido]	Conference Hall [3 rd Hall]
	Parallel Session 4 [Chair: Prof. Dr. Evn T. Salim]	Cultural Center [4 th Hall]
	Parallel Session 5 [Chair: Assist. Prof. Dr. Ihsan Ali Saib Al-Shaarbaf]	Cultural Center [5 th Hall]
	Parallel Session 6 [Chair: Assist. Prof. Dr. Makram A. Fakhri]	Cultural Center [6 th Hall]
	Parallel Session 7 [Chair: Assist. Prof. Dr. Razaq Ferhadi]	Cultural Center [7 th Hall]
02:30 pm	Lunch Break	Cultural Center Restaurant
03:30 pm	Closing Remark [End of the 1st Day]	



Conference Program

Day 2: Date: 07/October/2021 [Thursday]

Time	Activities
10:00 am – 01:00 pm	Virtual Participation [Online Presentation]
	Parallel Session 8 [Chair: Dr. Ayad Momammed Salih Esmail]
	Parallel Session 9 [Chair: Dr. Zainab Talib Al-Sharify] [Invited Speaker: Dr. Taghi Miri]
	Parallel Session 10 [Chair: Dr. Muhammad Hazwan Hamzah]
	Parallel Session 11 [Chair: Dr. Sherwan M.Z. Izzaddin Albrifkani]
	Parallel Session 12 [Chair: Assistant Professor Dr. Yaman Al-Kamaki]
	Parallel Session 13 [Chair: Assait. Prof. Dr. Ahmed Riedh Al-Hamaoy] [Invited Speaker: Assoc. Prof. Dr. Haider Butt]
	Parallel Session 14 [Chair: Dr. Helen Onyeaka] [Invited Speaker: Dr. Abdulkader Al-Akrach]
	Parallel Session 15 [Chair: Dr Neelkanth Nirmalkar] [Invited Speaker: Dr. Rosniza Hamzah]
	Parallel Session 16 [Chair: Dr. Soumya Ghosh]
01:00 pm	End of the 2nd Day [End of The Conference]



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Detailed Sessions: Physical Participation - Poster Session

October 06, 2021 [Wednesday]

Jury: Assist. Prof. Dr. Ahmed Riedh Al-Hamaoy

Venue: Conference Hall [Main] -UoD

No	Time	Name	Affiliation	Title
1	12:00 pm 02:30 pm	Bashdar Ismael Meena	Department of Chemistry, Faculty of Science and Health, Koya University, Koya KOY45, Kurdistan Region-F.R., Iraq	Investigation of Sensible and Latent Heat Storage System Using Iraqi Paraffin Wax as Storage Media
2	12:00 pm 02:30 pm	Adil Hussein Dalaf	Department of Chemistry / College of Science / Tikrit University	Synthesis, Characterization, Biological Evaluation, and Assessment Laser Efficacy for New Derivatives of Tetrazole
3	12:00 pm 02:30 pm	Oday Asal Salih	Department of Civil Engineering/College of Engineering/University of Mosul, Iraq	Investigating the Behavior of Post-Installed Reinforcing Bars Fixed by Chemical Adhesives with Different Concrete Base Compressive Strength
4	12:00 pm 02:30 pm	Ghaidaa Ibrahim Husaen	University of Mosul	The effect of sulfurous water on the corrosion behavior of carbon steel with different carbon ratios
5	12:00 pm 02:30 pm	khalid jamal Ismail	University of Mosul, college of engineering, department of architecture	Adaptability in Architectural Objects Through Fractal Approaches.
6	12:00 pm 02:30 pm	May Ali Alsaffar	University of Technology Iraq	Model Analysis and Parametric Evaluation of Titania Nanoparticles modified epoxy composites
7	12:00 pm 02:30 pm	Noor Talib Abidzaid al-sharify	Al-Esraa University	Polymer Modelling for Chemical and Biomedical Purposes
8	12:00 pm 02:30 pm	Zainab Talib Abidzaid Al-Sharify	Chemical engineering, Birmingham university, UK	Validating Sustainable Water Resources and Fluid Flow by Studying Phosphorus Concentration of Tigris River Water in Baghdad
9	12:00 pm 02:30 pm	Taghi Miri	University of Birmingham	Advances in groundwater pollution by heavy metal
10	12:00 pm 02:30 pm	Noor Alaulddin Mohammed Aalhashem	Architecture Engineering, College of Engineering, Mustansiriyah University	Environmental impact of using geothermal clean energy (heating and cooling systems) in Economic Sustainable modern buildings architecture design in Iraq: A review



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Continued Poster Session October 06, 2021 [Wednesday]

Jury: Assist. Prof. Dr. Ahmed Riedh Al-Hamaoy

Venue: Conference Hall [Main] -UoD

No	Time	Name	Affiliation	Title
11	12:00 pm 02:30 pm	Makram A Fakhri	University of Technology-Iraq	Lithium Niobate –Based Sensors: A review
12	12:00 pm 02:30 pm	Evan T. Salim	University of Technology-Iraq	Significance of Niobium (V) Oxide for Practical Applications: A Review
13	12:00 pm 02:30 pm	Makram A Fakhri	University of Technology-Iraq	Preparation of Gold nanoparticles doped Zinc Oxide using reactive pulsed laser ablation in liquid
14	12:00 pm 02:30 pm	Makram A Fakhri	University of Technology-Iraq	Fiber Optics for Sensing Applications in a review
15	12:00 pm 02:30 pm	Sura Mohammed Saeed Ahmed	Medical Instrumentation Engineering department, Al-Esraa University College, Baghdad, Iraq	Development of a new system (program) for detections of EMG signals for biomedical purposes and its importance during COVID 19
16	12:00 pm 02:30 pm	Evan T. Salim	University of Technology-Iraq	Opto-Electronic Behavior of LN as a Dielectric Films: Improved Using Low Temperatures Treatment
17	12:00 pm 02:30 pm	Makram A Fakhri	University of Technology-Iraq	Treatment of Facial Telangiectasia Using Long-Pulsed Nd: YAG Laser



Detailed Sessions: Physical Participation - Oral (from Session 1 to Session 7)

Session 1: October 06, 2021 [Wednesday]

Chair: Assist. Prof. Dr. Mohammed Aziz Ibrahim

Venue: Conference Hall [1st Hall]

No	Time	Name	Affiliation	Title
1	12:00 pm 12:15 pm	Moatasem AlSalih	1Biology department, Faculty of Science and Mathematics, University (UPSI), Malaysia.	Functionalization and Characterization of Iron Oxide with Multi-Walled Carbon Nanotubes Using Ovicides Oxidation Method in <i>Aedes Aegypti</i> Eggs
2	12:15 pm 12:30 pm	Mohammed H. Khalil	Department of physics, College of Science, University of Duhok, Kurdistan Region. Iraq	Influence of Post Annealing on CBD Deposited ZnS Thin Films
3	12:30 pm 12:45 pm	Raheem Al-Sabur	University of Basrah	Influence of Welding Parameters on Optimization of the Tensile Strength and Peak Temperature in AISA 1020 Alloy Joints Welded by SAW
4	12:45 pm 01:00 pm	Dlair O'baid Ramadan	Mechanical and Energy Engineering Techniques Department, Erbil Technical Engineering College, Erbil Polytechnic University, Erbil, Kurdistan Region, Iraq	Finite Element Analysis of Conventional and Composite Materials of Automobile Drive Shaft
5	01:00 pm 01:15 pm	Manal Zeki Rajab	University of Basra /Physics Department	The Effect of Solvent (NMP, DMSO) on the electronic transition of Nano blend POT: (PEDOT: PSS/MWCNT)
6	01:15 pm 01:30 pm	Sahar Naji Rashid	College of Science - University of Tikrit	The Effect of Green Diode Laser on White Ant (<i>Psammotermes hypostoma</i>).
7	01:30 pm 01:45 pm	Aws Akram Mahmood Al-Akam	university of Babylon	Evaluation of the Actual Solar Irradiance received by a V-Shaped solar still
8	01:45 pm 02:00 pm	Omer Khalil Ahmed	Northern Technical University, Iraq	A comparison study of PV/thermal collector performance using air and water cooling



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Session 2: October 06, 2021 [Wednesday]

Chair: Assist. Prof. Dr. Khedir Ramazan Khedir

Venue: Conference Hall [2nd Hall]

No	Time	Name	Affiliation	Title
1	12:00 pm 12:15 pm	Atyaf khlid hameed Al-dahan	Directorate of environment and water/ Ministry of science and technology	Effect of adding green syntheses copper nanoparticles and experiment conditions on live blood cells
2	12:30 pm 12:45 pm	Fakhri Ibraheem	Koya University	Risk Assessments of Higher Consumption of Fuel on Environment due to Rapid Escalation of Automobile Numbers in Kurdistan Region - Iraq
3	12:45 pm 01:00 pm	Mohammed A. Fayyadh	University of Duhok, College of Agricultural Engineering Sciences, Soil and Water Science Dept.	The Distribution of Soil Mapping Units in Erbil Province at Kurdistan Region, Iraq Using Geo-informatics Technique
4	01:00 pm 01:15 pm	Ibtisam Mustafa Kamal	Soran University, Faculty of Engineering	Investigation on Some Properties of Hardened Cement- Biogenic Ash Composites.
5	01:15 pm 01:30 pm	Ibtisam Mustafa Kamal	Soran University, Faculty of Engineering	Hempcrete a Renewable Material for Green Building: Manufacturing and Properties Optimization.
6	01:30 pm 01:45 pm	Maysoon Muhi Hilal	University of Samarra/Architecture Department	The Impact of the local Materials on the Abbasid palaces sustainability
7	01:45 pm 02:00 pm	Mustafa Ismal Umer	Duhok University	Improving Physicochemical Properties of Municipal Solid Waste Landfill Leachate by Aeration and Filtration in Kwashe Industrial Area in Iraqi Kurdistan Region.



Session 3: October 06, 2021 [Wednesday]

Chair: Assit. Prof. Dr. James H. Haido
Venue: Conference Hall [3rd Hall]

No	Time	Name	Affiliation	Title
1	12:00 pm 12:15 pm	Mustafa Naeem Kareem Al-saedi	University of Warith Al-Anbiyaa- Civil Engineering	Resilient modulus and permanent deformation responses of tire rubber-cement stabilize soft clay
2	12:15 pm 12:30 pm	Zainab Abdulmaged Khalaf	University of Samarra	An enhancement concentrate on bulk liquid membrane and its opposition in copper ion expulsion and recovery from wastewater
3	12:30 pm 12:45 pm	Mohamed H. Mussa	Department of Civil Engineering, College of Engineering, University of Warith Al-Anbiyaa, Karbala 56001, Iraq	Fire Simulation of RC Slab Inclusion with Nano-silica and High Volume Fly Ash
4	12:45 pm 01:00 pm	Moataz A. Al-Obaydi	University of Mosul, College of Engineering	Effect of Support System Type on Boundary Displacement of Tunnel in Soft Soil
5	01:00 pm 01:15 pm	Mustafa S. Salah	Civil Engineering Department, College of Engineering, University of Warith Alanbiyaa, Karbala, Iraq,	Numerical Simulation of Piano Key Weir Type-B
6	01:15 pm 01:30 pm	Kaythar Abdulwahab ibrahim	University of Mosul	Investigating the Effect of Different Types of Bearing Pads on the Behavior of Reinforced Concrete Half-Joint structure under Repeated Loads
7	01:30 pm 01:45 pm	Ihab Sabri Saleh	University of Basrah	Comparison Study between Brick and Ribbed Dome by Using F.E. Analysis
8	01:45 pm 02:00 pm	Raghad Adil Fahad	iraq	Evaluation of SPT-Based Design Methods for Estimating the Bearing Capacity of Piles in the soils of Nasseriya, Iraq



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Session 4: October 06, 2021 [Wednesday]

Chair: Prof. Dr. Evm T. Salim

Venue: Cultural Center [4th Hall]

No	Time	Name	Affiliation	Title
1	12:00 pm 12:15 pm	Nidhal Meena Sher Mohammed	Department of Chemistry, Faculty of Science, University of Zakho, Kurdistan Region, Iraq	Assessment Physic-Chemical Quality of Drinking Water of Bardarash District/ Duhok City in Kurdistan Region of Iraq
2	12:15 pm 12:30 pm	Shaymaa Abd Ikareem Shihab Ahmed	Iraqi	Comparative study of multi-walled carbon nanotube properties before and after purification prepared at low temperature
3	12:30 pm 12:45 pm	Duha Khalid Mezaal	Midland Refinery Companies	Improvement of Electro-Fenton process on degradation of parachlorophenol by UV Irradiation process.
4	12:45 pm 01:00 pm	Khalid Ahmed Abdullah	Civil Department Engineering College University of Mosul & PhD student at Tikrit University	Mechanical properties of polymer jute rods reinforced with carbon / glass fiber.
5	01:00 pm 01:15 pm	Haleemah Jaber Mohammed	Ministry of Science and Technology	Enhancement the Hydrogen Production by Using Nano (MgO) Catalyst
6	01:15 pm 01:30 pm	Yasmeen Mundher	Department of Chemical Engineering, Faculty of Engineering, University of Baghdad, Iraq	Synthesis and Characterization of (TBAPW11039) Hybrid Keggin Type Catalyst
7	01:30 pm 01:45 pm	Obed Majeed Ali	Northern Technical University	Effect of AISI 4140 carbon steel heat treatment on specific mechanical properties



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Session 5: October 06, 2021 [Wednesday]

Chair: Assist. Prof. Dr. Ihsan Ali Saib Al-Shaarbaf

Venue: Cultural Center [5th Hall]

No	Time	Name	Affiliation	Title
1	12:00 pm 12:15 pm	Jamela Aesa Kdhem	Department of Biology/College of Science/ Mustansiriyah University	The Hydroxychloroquine drug reduction the cytokines storm and cortisol levels in mice
2	12:15 pm 12:30 pm	Furkan Hassan Saleh Rabee	University of Kufa	Medical Diagnostic using RFID implanted Tag
3	12:30 pm 12:45 pm	Hiba Abdalameer Hasan	Computer Techniques Engineering Dept., Al-Turath University College, Baghdad, Iraq.	Investigate the Effect of Alternative Dry frictional clutch Disc Material on the Transient Thermal Performance of Sliding System Experimentally under Different Boundary Conditions
4	12:45 pm 01:00 pm	Mohanad Qusay Abbood	Department of Production Engineering and Metallurgy, University of Technology-Iraq, Baghdad, Iraq	Detection of Objects Geometries and Colors using MATLAB
5	01:00 pm 01:15 pm	Wurood Asaad Midab	Department of Metal Materials Engineering Babylon University, Iraq	Surface Modification of Cutting Tool by Multilayer Coatings
6	01:15 pm 01:30 pm	Rafah Alwan Nasif	University of Technology	Mechanical Properties of Polymer Blend Reinforced with Nano Silica.
7	01:30 pm 01:45 pm	Mohamed Moafak Arbili	Erbil Polytechnic University	Utilization waste granulated blast furnace slag to improve the properties of polluted soil by Crude Oil
8	12:15 pm 12:30 pm	Sara Kareem	AL-Zahrawi University College	Formation of Dextrin/PVA Microspheres and Encapsulation of Drug



Session 6: October 06, 2021 [Wednesday]

Chair: Assist. Prof. Dr. Makram A. Fakhri

Venue: Cultural Center [6th Hall]

No	Time	Name	Affiliation	Title
1	12:00 pm 12:15 pm	Abdulrahman Mohammed Mezaal	University of Anbar	Mechanical Properties of High Strength SCC Made with Hybrid Steel Fibers from Discarded Bead Wires
2	12:15 pm 12:30 pm	Mahmood Hameed Majeed	AL-Nahrain University	Mechanical Property Evaluation of PLA /soybean oil Epoxidized Acrylate Three-Dimensional Scaffold in Bone Tissue Engineering
3	12:30 pm 12:45 pm	Ali Hosin Alibak	Chemical Engineering Department, Faculty of Engineering, Soran University, Soran 44008, Kurdistan Region, Iraq	Reinforcing the bio-based (polyvinyl alcohol/carboxymethyl cellulose) hydrogel for efficient methylene blue removal: a modeling approach
4	12:45 pm 01:00 pm	Firdews Shakir Mahmood	Chemical Engineering Department, College of engineering, University of Baghdad, Baghdad, Iraq	Synthesis and Characterization of Nanosilica from Iraqi Sand by Chemical Precipitation with Different Acid Types
5	01:00 pm 01:15 pm	Saif Saad Mansoor	University Of Anbar	Efficiency of Waste Eggshell as Powder on Some Mortar's Fresh and Hardened Properties
6	01:15 pm 01:30 pm	Saja Salah Al-deen	Production Engineering and Metallurgy Department, University of Technology, Baghdad, Iraq.	Design for Manufacturing A Stamping Die to Predict the Thinning of 6061 Aluminum Sheet
7	01:30 pm 01:45 pm	Roaa Mohammed Muneer	Al-Mustaqbal University College	Comparative study of hot and cold injection molds for the effect of secondary pressure change on the shape of the final product



Session 7: October 06, 2021 [Wednesday]

Chair: Assist. Prof. Dr. Razaq Ferhadi

Venue: Cultural Center [7th Hall]

No	Time	Name	Affiliation	Title
1	12:00 pm 12:15 pm	Qadria Saef Alden Younis	Student	New models for nonlinear analysis of ultra high strength fiber reinforced concrete deep beams
2	12:15 pm 12:30 pm	Hafedh Abed Yahya	University of Mosul, College of Engineering, Department of Architecture	The Role of Building Materials' Properties in Sustainable Reconstruction of Residential Buildings in Old Mosul
3	12:30 pm 12:45 pm	Ali Abdulhusein Al- Ghalib	Civil Engineering Department/ Mustansiriyah University, Baghdad, Iraq	FLEXURAL STRENGTH OF ALIGNED STEEL FIBER REINFORCED SELF-COMPACTING CONCRETE
4	12:45 pm 01:00 pm	Wrya Abdulfaraj Abdullah	University of Sulaimani	Steel Bar Replacement with Iraqi Bamboo (Qamish) Reinforced in Concrete Beams
5	01:00 pm 01:15 pm	Jaafar A. Mohammed	University of Duhok (UOD)	Prediction of the Position and Construction Procedures Response of Static and Dynamic Conditions in the Twin Tunnel Construction
6	01:15 pm 01:30 pm	Righdan Mohsen Namus	Wasit University	Studying the oxide layer status of Ti6Al4V and CoCrMo alloys in simulated body fluid
7	01:30 pm 01:45 pm	Rafi Jamal Algawi	University of Tikrit, Iraq	Oxidation of ferrous to ferric ion by additives in bubbel column



Detailed Sessions: Virtual Participation (from Session 8 to Session 16)

Time: Based on Local Time in Duhok, Kurdistan Iraq

Session 8: October 07, 2021 [Thursday]

Chair: Dr. Ayad Momammed Salih Esmail

Technical Committee: Lec. Mustafa Abdullah

No	Time	Name	Affiliation	Title
1	10:00 am 10:15 am	Lubna Abdulrasool Mahdi	Kufa University / Faculty of Science / Physics Department	Assessment Doses and Cancer Risk of Background Radiation for Soil Samples in Najaf Districts, Iraq Using GIS Technique
2	10:15 am 10:30 am	Omer Salih Hasan	Laser and Optoelectronics Eng. Dep	An overview of optical fiber sensing techniques for various applications.
3	10:30 am 10:45 am	Salah A. Adnan	Laser and Optoelectronic Engineering Department, University of Technology, Baghdad, Iraq	Fiber Bragg Grating FBG as Temperature Sensor for the Human Body in Review
4	10:45 am 11:00 am	Umaima Raid Khairi	Al Nahrain University\ College of engineering\ Biomedical engineering department	Mechanical Analysis of Four Different Stainless-Steel Alloys Used for Knee Replacement Surgical Tool
5	11:00 am 11:15 am	Salah Aldeen Adnan	Laser and Optoelectronic Engineering Department, University of Technology, Baghdad, Iraq	Temperature and pressure monitoring of the human body based fiber Bragg grating and optical crystal fiber
6	11:15 am 11:30 am	Amir Al-Sammarraie	Iraq, Tikrit University, Engineering College/ Mechanical Engineering Dep.	tensile, impact and fatigue Properties of fiber glass Reinforced polyester Composites
7	11:30 am 11:45 am	Suha Hashim Mohameed Al-Dosary	Mechanical Engineering department, University of Anbar, Anbar, Iraq	Stability Analysis of Laminated Composite Plates via a Two-Step Perturbation Approach
8	11:45 am 12:00 pm	Ahmad Khedher	Al-Nahrain University	Luminescence method to characterize the growth of AgInS ₂ quantum dots
9	12:00 pm 12:15 pm	Aram Hassan	The American University of Iraq, Sulaimani	An Analytical Study on the Effect of Curing Temperatures and Additives on the Mechanical Properties of Ultra High-Performance Fiber Reinforced Concrete (UHPFRC)
10	12:15 pm 12:30 pm	Amnh S. Hasan	University of Technology Iraq	Review of Surface Plasmon Resonance Phenomenon applied in Different Applications



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Session 9: October 07, 2021 [Thursday]

Chair: Dr. Zainab Talib Al-Sharify

Invited Speaker: Dr. Taghi Miri

Technical Committee: Lec. Muhammed Khattab

No	Time	Name	Affiliation	Title
1	10:00 am 10:15 am	Hassan Adnan Sharhan	Technology University	Effect of Polypropylene (PP) and Polyacrylonitrile (PAN) Fibers reinforced Acrylic Resin on Compression, Hardness, and Surface-Roughness for Denture Applications
2	10:15 am 10:30 am	Neam Fawzi Mohammed Ali	University of Technology - Department of Production Engineering and Metallurgy - Metallurgy Branch-Iraq - Baghdad	Characterization of Nano-TiO ₂ and Nano-Al ₂ O ₃ Particles Prepared by DC Sputtering
3	10:30 am 10:45 am	Kahtan A. Mohammed	Hilla University College	Band Gap Alteration of Fe ₂ O ₃ Nanoparticles by Changing the Polymer Matrix
4	10:45 am 11:00 am	Ghaith Yousif Dakhil	Materials Science, Applied Sciences, University of Technology, Baghdad, Iraq.	The Influence Of Infill Pattern And Infill Density On The (Tensile, Flexural And Impact) Strength Of 3D Printed Polymers.
5	11:00 am 11:15 am	Mustafa Nashaat Jawhar	University of Technology, Department of Production Engineering and Metallurgy	Synthesis and Characterizations of Modified Y ₂ O ₃ Nanoparticles Aluminide Coating on Nickel Alloy IN625
6	11:15 am 11:30 am	Omar Okab Abdulhadi	Department of Physics, College of Science, University Of Anbar, Ramadi	Characterizing of Chromium oxide Nanoparticles Formation from Solution Plasma synthesis by plasma jet
7	11:30 am 11:45 am	Yusra M. Alobaidi	University of Anbar/ College of Science	Electrochemical Study of Redox Stream Antioxidant Effect of Nanocellulose Membranes Prepared from Wheat Straw in Blood Medium
8	11:45 am 12:00 pm	Khattab Saleem Abdul-Razzaq	University of Diyala	Effect of Horizontal Curvature on Reinforced Concrete Deep Beams
9	12:00 pm 12:15 pm	Khattab Saleem Abdul-Razzaq	University of Diyala	Finite Element Parametric Study of Overhang Horizontally Curved Deep Beams



Session 10: October 07, 2021 [Thursday]

Chair: Dr. Muhammad Hazwan Hamzah
Technical Committee: Lec. Laith Amjad

No	Time	Name	Affiliation	Title
1	10:00 am 10:15 am	Doaa Tawfeeq Fahdil	University of Samarra	The Use Of Borehole Logs To Study The Reservoir Properties Of Shiranish Formation In Qayarah Field In Northern Iraq
2	10:15 am 10:30 am	Mudhafar Kareem Hameedi	University of Technology	Liquefaction Study for Soils under Earthquakes.
3	10:30 am 10:45 am	Ruqaya Abdulkadhim Abbas	University of Technology- Production Engineering and Metallurgy Department -Iraq/Baghdad	The Influence of Spray Distance on the Assessment of Porosity in YSZ Thermal Barrier Coating
4	10:45 am 11:00 am	Yamama Anwar Ibrahim Al_Nasiri	University of Al Mosul	Three-Component Weather-Sensitive Load Forecast Using Smart Methods
5	11:00 am 11:15 am	Hijran Hamed Naser	University of Al-Nahrain	Bidirectional Data Transfer Via LiFi Technology
6	11:15 am 11:30 am	Mohammed Hazim	Al-Nahrain University	The experiment and selection 3D printer material for fingers Prosthesis
7	11:30 am 11:45 am	Zahraa Abbas Hamza	Middle Technical University, Electrical Engineering Technical College, Baghdad, Iraq	Guessing the Coordinates of Targets in Indoor Environments Using Hyperbolic Technique
8	11:45 am 12:00 pm	zahraa hameed jawad	Univetsity of Thi-Qar	bearing capacity of shallow foundation on geogrid reinforcrd soil
9	12:00 pm 12:15 pm	Zahraa hameed jawad	Thi Qar university	Evaluating the Theoretical Models of Bearing Capacity of Foundations on Geogrid Reinforced Soil



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Session 11: October 07, 2021 [Thursday]

Chair: Dr. Sherwan M.Z. Izzaddin Albrifkani

Technical Committee: Lec. Baraa Muhammed

No	Time	Name	Affiliation	Title
1	10:00 am 10:15 am	Ola Saleh Mahdi	University of Babylon	Studying the Effect of Hydroxyapatite Coating on the Properties of Alumina
2	10:15 am 10:30 am	Rafid Naji Hameed	1Environment and Water Directorate, Ministry of Science and Technology, Baghdad, Iraq 2 Chemical Engineering Department, University of Baghdad, Baghdad,	Malachite Green Removal from Wastewater by Electro Coagulation Treatment Technique
3	10:30 am 10:45 am	Dr. Ahmed Hassoon Ali	Mustansiriyah University- College of Engineering- Environmental Engineering Department	Design of Air Cathode Bacterial Fuel Cell for Sustainable Power Production and Azo Congo Red Dye Removal
4	10:45 am 11:00 am	Ahmed Rahomi Rajab	University Of Anbar	Biokinetics and Treatability of Dairy Wastewater Using Sequencing Batch Reactor.
5	11:00 am 11:15 am	Huda Radi	University of Misan	Remediation of Wastewater Contaminated by Tetracycline using Photo Fenton- Advanced Oxidation
6	11:15 am 11:30 am	Basima Ahmed Abed Al-Hadi Saleem	University of Mosul	Visible Spectrophotometric Method for Quantitative estimation of Atenolol Drug using cerium (III and IV)
7	11:30 am 11:45 am	Basima Ahmed Abed Al-Hadi Saleem	University of Mosul	Quantitative Assay of Hydrazine in Various Water Samples with Visible Spectrophotometry Using Phenathiazine and Bromopyrogalol Red
8	11:45 am 12:00 pm	Yasir Talib Hameed	Environmental Engineering Department / College of Engineering / University of Mustansiriyah	Continuous Flow Electrocoagulation Process in Combination with other Treatment Processes: a Review of Current Applications and Approaches
9	12:00 pm 12:15 pm	Jaafar Zyarah Dhamin	Writer	Removal of Heavy Metal Ions from Wastewater Using Bulk Liquid Membrane Technique Enhanced by Electrical Potential
10	12:15 pm 12:30 pm	Ali A. Habeeb	Department of Civil Engineering, University of Samarra, Iraq	Street sweeping usage in the production of compressed earth block (CEB) as a solid waste management reduction



Session 12: October 07, 2021 [Thursday]

Chair: Assistant Professor Dr. Yaman Al-Kamaki

Technical Committee: Lec. Saif Mahmood

No	Time	Name	Affiliation	Title
1	10:00 am 10:15 am	Dhiaa Al-Tarafany	Al-Nahrain University	Design Methodology of Diagonally Reinforced Concrete Coupling Beams
2	10:15 am 10:30 am	Zaid Hazim Hussein Al-Saffar	Northern Technical University	A review on the enhancement of asphalt cement using different additives.
3	10:30 am 10:45 am	Abbas Hadi Abbas	University of Samarra-Iraq	Desalination Of Groundwater For Several Districts In Baghdad-Iraq Using Reverse Osmosis Membrane
4	10:45 am 11:00 am	Hind Ahmed Akram	University of Technology-Civil Engineering Department	Numerical Investigation of Fatigue Crack in Asphalt Concrete Pavements Using Cohesive Zone Model
5	11:00 am 11:15 am	Mustafa S. Alwan	M. Sc. Student, Department of Civil Engineering, University of Technology, Baghdad, Iraq	Structural Behavior of Short RC Circular Columns Strengthened by External CFRP
6	11:15 am 11:30 am	Sura Tawfeeq Fakhir Al-Auqbi	MSc. Candidate, Civil Engineering, University of Technology	the impact of using stone column on soft soil creep behaviour
7	11:30 am 11:45 am	Fatimah Fahem Hussein	University of Babylon	Assessment of Main Related Characteristics For Modified Highway Concrete Pavement By Fibers
8	11:45 am 12:00 pm	Ahmed Dalaf Ahmed	University of Anbar	Durability Indication of Concrete Exposed to Contact with Some Petroleum Products
9	12:00 pm 12:15 pm	Shaker Mahmood Abdal Qaidi	Department of Civil Engineering, College of Engineering, University of Duhok, Duhok, Kurdistan Region-Iraq	Properties of Sustainable Green Concrete Containing Waste Glass as Eco-Friendly Aggregate: A Review
10	12:15 pm 12:30 pm	Serbest Khaleel Ismael	architecture /lecture	Using Energy Plus Simulation Tools for Improvement Cooling load in Office Buildings at Semi-Arid Climates: A Case Study North Iraq



Session 13: October 07, 2021 [Thursday]

Chair: Assait. Prof. Dr. Ahmed Riedh Al-Hamaoy

Invited Speaker: Assoc. Prof. Dr. Haider Butt

Technical Committee: Lec. Muhammed Abbas

No	Time	Name	Affiliation	Title
1	10:00 am 10:15 am	Mohammed Sattar Jabbar	University of Baghdad /Chemical Engineering	Metal organic frameworks as gas storage for Liquefied petroleum gas vehicle in Iraq
2	10:15 am 10:30 am	Shereen Ali Abdulrahman	Materials Engineering Department/ University of Technology/ Baghdad/ Iraq	Comparative Study of Polymeric Laminated Composites Reinforced by Different Fibers of Prosthetic Socket by DSC and FTIR
3	10:30 am 10:45 am	Maysam Abbood Salman	Department of Metallurgical Engineering, College of Materials Engineering, University of Babylon, Babylon, Iraq	Surface Characteristics of Zircadyne (Zr) alloys after Anodization Process for Biomedical Applications
4	10:45 am 11:00 am	Zainab Talib Mushtaq	Department of Material Engineering, Technical College / Baghdad, Middle Technical University, Iraq	Removal of Vat-Orange Dye from the Textile Factories Wastewater by Zeolite X Produced from Alum Sludge.
5	11:00 am 11:15 am	Noor Mohammed	University of Technology, Department of Materials Engineering	Synthesis, characterization, of Natural Hybrid composite matrix for antibacterial and antifungal application
6	11:15 am 11:30 am	Rowaida N. Abbas	College of Engineering - University of Baghdad	Feasibility of Using Carbon Fiber, Graphite and their Modified Versions by PbO ₂ as Electrodes in Electrochemical Oxidation of Phenolic Wastewater
7	11:30 am 11:45 am	Nawal Mohammed Dawood	College of Materials Engineering, University of Babylon, Iraq	Effect of Aging on Corrosion Behavior of Martensite Phase in Cu-Al-Ni Shape Memory Alloy
8	11:45 am 12:00 pm	Nawal Mohammed Dawood	College of Materials Engineering-Metallurgical Engineering department, Babylon University.	Impacts of Tin and Germanium on Corrosion and Erosion-Corrosion Behavior of 60Cu–40Zn alloys
9	12:00 pm 12:15 pm	Nawal Mohammed Dawood	College of Materials Engineering, University of Babylon, Iraq	Electrodeposition of a Ni/TaC Composite Coating on 316L SS and Its Corrosion Behavior in 3.5% Sodium Chloride Solution
10	12:15 pm 12:30 pm	Noor Muneam Hayder	Mechanical Engineering Department, University of Technology, Baghdad, Iraq	Investigation Mechanical Properties of Hybrid Composite Laminates Reinforced with Glass Fiber and Nano Zirconium Oxide



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Session 14: October 07, 2021 [Thursday]

Chair: Dr. Helen Onyeaka

Invited Speaker: Dr. Abdulkader Al-Akrach

Technical Committee: Lec. Anas Wajeih Abdulrahman

No	Time	Name	Affiliation	Title
1	10:00 am 10:15 am	Zheno Kareem Ahmed	Sulaimani Polytechnic University	Design and Planning for Applying Horizontal Well Program in Taq Taq Oil Field in Kurdistan region of Iraq
2	10:15 am 10:30 am	Ali Hubi Haleem	College of Materials Engineering, University of Babylon, , Iraq	Study the Impact of Cobalt on Hardness and Adhesive Wear of NiAl-Y2O3 Composite Material
3	10:30 am 10:45 am	Mustafa Mohammed Hathal	The Industrial Development and Regulator Directorate/ The Ministry of Industry and Minerals	The Numerical Simulation and Thermal Analysis of Nanoparticles Blends within a Stirred Batch Reactor for Biodiesel Production from Waste Cooking Oil
4	10:45 am 11:00 am	Volodymyr Pyliavskiy	State University of Intelligence Technologies and Telecommunications	PHYSICAL PROPERTIES OF TEST SIGNALS TO ENHANCE TELECOMMUNICATION PATHS
5	11:00 am 11:15 am	Asmaa Ahmed Mohammed	Tikrit university	Development of an accurate and rapid spectrophotometric method for the determination of loratadine drug using Prussian blue in Pure and Pharmaceutical formulation
6	11:15 am 11:30 am	Amjed Majid Kadhim	Master student at university of Basra	Experimental and Finite Element Modeling in Dry Drilling of Stainless Steel AISI 304
7	11:30 am 11:45 am	Ammar S. Abbas	College of Engineering - University of Baghdad	Experimental Study and Simulation of Ideal Continuous Reactors for the Glyceryl Oleates Production via a Homogeneous Esterification Reaction
8	11:45 am 12:00 pm	BENARIOUA Younes	University of M'sila	Physical and Mechanical Characterization study of Thin Nitriding Layers Produced by Plasma on Low Alloy Steel
9	12:00 pm 12:15 pm	BENARIOUA Younes	University of M'sila	Effect of Annealing Treatment on Intermetallic Compounds of Coatings Obtained by Galvanizing Process



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Session 15: October 07, 2021 [Thursday]

Chair: Dr Neelkanth Nirmalkar

Invited Speaker: Dr. Rosniza Hamzah

Technical Committee: Lec. Heval Nawzad Mohammad Salih

No	Time	Name	Affiliation	Title
1	10:00 am 10:15 am	Samir Mahdi Atia	University of Technology _ Civil Engineering Department	Effect of adding nano starch biopolymer on some properties silica fume concrete
2	10:15 am 10:30 am	Alaa Liaq Hashem	Department of Engineering/ College of Engineering/ AlQadisiyah University	Experimental investigation of the thermal performance of scrap tire rubber- concrete blocks
3	10:30 am 10:45 am	Dalal Yousif Khudhur	University of Duhok	Novel Development and Analysis of Multiplex Microsatellite Markers Sets in Pomegranate.
4	10:45 am 11:00 am	Ahmed Abdull- Jabbar Mahmood	Mosul University	New 4,4'-methylenedianiline monobactame compounds: synthesis, antioxidant and antimicrobial activities evaluation.
5	11:00 am 11:15 am	Asem Ahmed Hassan	College of Science, University of Diyala	Identification of Buried Structures Using Numerical and Field 2D Electrical Resistivity Imaging Techniques
6	11:15 am 11:30 am	Assist.Teacher. Sura Hameed Ahmed	Ministry of higher education and scientific research	Studying the Tensile, Flexural and Impact Properties of Hybrid Nano composite Reinforced by Luffah Fiber, Used for Prosthetic Socket
7	11:30 am 11:45 am	Ammar Muslim Hadi	Al-Kufa University / Engineering collage	Experimental and CFD study of micro heat sinks: different shapes and arrangements
8	11:45 am 12:00 pm	Jasim Ibrahim Humadi	Tikrit university	Modification of Design Synthetic Nano-Catalysts for Performance Enhancement of Oxidative Desulfurization Using Batch Oxidative Reaction
9	12:00 pm 12:15 pm	Jasim Ibrahim Humadi	Tikrit university	Study of Chemical Synthesis through Micro-reactor in Terms of Kinetic Analysis & Process Intensification



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Session 16: October 07, 2021 [Thursday]

Chair: Dr. Soumya Ghosh

Technical Committee: Lec. Naeema Thaher Aaref

No	Time	Name	Affiliation	Title
1	10:00 am 10:15 am	Ashraf Masoud Abdelhady Semaïda	National University of Science and Technology MISIS, Moscow, 119049, Russian Federation	Correlation between Composition and Magnetic Properties of SrFe ₁₂ O ₁₉ /Co Nano composite Synthesized by the High Energy Ball - Milling Process
2	10:15 am 10:30 am	Mohammed Abbas Hasan Al-Jumaili	University of Kufa- Faculty of Engineering	Improving Performance of Rigid Pavement Using SBR Polymer
3	10:30 am 10:45 am	Arwa Mohammed Othman	Northern Technical University/Mosul Technical Institute /Chemical and oil Industries Techniques Department b	A Theoretical and Practical Inclusive Study of The Effect of Some Factors on The Ionization Constants of Some Aromatic Imines by Potentiometric Titration
4	10:45 am 11:00 am	Amirouche BOUAMER	1- Research Center in Industrial Technologies (CRTI) P.O. Box 64, Cheraga 16014 Algiers, Algeria. 2- Laboratories of Physics of Materials, Faculty of Physics, USTHB, Algiers, Algeria	Effect of ZnO, SiO ₂ and Al ₂ O ₃ doped on Morphological, Optical, Structural and Mechanical Properties of Polylactic acid
5	11:00 am 11:15 am	Ahmed A. AYASH	Mustansiriyah University	Conventional and Non-Conventional Gas-Liquid Contacting Methods: A Critical Review and a Quantitative Evaluation
6	11:15 am 11:30 am	Sarmad Sharq Noori	University of Technology	Corrosion Protection of Mild Steel by Using Recycling Materials as Inhibitors in Salt Solution
7	11:30 am 11:45 am	Ahmed Kareem Obaid Aldulaimi	Al-Zahrawi University college	Synthesized of New Alkaloid Compounds and Study Their Anticancer Activity
8	11:45 am 12:00 pm	Milad A. Mahmood	Ministry of Science and Technology / Renewable Energy Directorate / Hydrogen and Biofuel Department	Biochar Filler for the Production of Conductive bio-epoxy Composites
9	12:00 pm 12:15 pm	Mazin Sami Ibrahim	Middle Technical University, Engineering Technical College Baghdad, Baghdad – Iraq	Taguchi Approach for Electrocoagulation for Treatment Methyl Red Dye from Textile Wastewater by using Different Connection Electrodes
10	12:15 pm 12:30 pm	Mazin Sami Ibrahim	Middle Technical University /Engineering Technical College- Baghdad	Response Surface mythology for Electrocoagulation Treatment for Methyl Red Dye from Wastewater through an Fe and Al Polar