

ICMUSTED 2024 PROGRAM

Friday, December 13, 2024

Conference Opening

Conference Hall (Necip Fazil Kısakurek Cultural Center, Erzurum)

09:15 – 09:30	Registration and Tea/Coffee Service	
09:30 – 11:30	Opening Ceremony	Asst. Prof. Dr. Erman Kadir Oztekin – On Behalf of the Organizing Committee
	Opening Session	<p>Hollow Gaussian Beam and Its Role in Optical Limiting Invited Speaker – Prof. Dr. Devendra Mohan</p> <p>Human-Machine Communication Strategies: The Case of Esperanto Invited Speaker – Prof. Dr. Federico Gobbo</p> <p>Cannabidiol-Loaded Lipid Nanoparticles for the Potential Treatment of Skin Diseases: Design and Characterization Invited Speaker – Dr. Maria Natalia Calienni</p> <p>Brewer’s Spent Grain as a Sustainable Source of Ferulic Acid for Cosmetic and Pharmaceutical Innovations Invited Speaker – Dr. Paula Lorena Bucci</p> <p>Highly Transparent Bi₂O₃-PbO Glasses for Gamma Radiation Shielding Applications Invited Speaker – Dr. Ahmad Marzuki</p> <p>Development of Biomimetic Electrodes for Real-Time Monitoring of Cell Adhesion via Electrochemical Impedance Spectroscopy Invited Speaker – Dr. Victoria Guglielmotti</p>

Onsite Session

Conference Hall (Necip Fazil Kısakurek Cultural Center, Erzurum)

Onsite Session – 1 (in Turkish and English) Head of Session: Asst. Prof. Dr. Erman Kadir Oztekin	
11:30 – 12:15	Design of MOF Immobilized Graphene Sponge for Sustainable Water Treatment System Applications <i>Aysenur Karakas*</i> , <i>Kader Dagci Kiransan</i>
	Instructors’ Opinions on the Use of Balkan Composers’ Solo Piano Works in Piano Education <i>Hamza Serdar Turan*</i> , <i>Sirin Akbulut Demirci</i>
	A Hybrid Model for Plant Disease Detection Based on Deep Learning <i>Tolga Aydin</i> , <i>Zainab Fadhil Abbas*</i>
	Comparison of Aerodynamic Properties of Three Airfoils Used in Small-Scale Vertical Axis Wind Turbines

	<i>Erman Kadir Oztekin*</i> , <i>Elyasa Aydin</i>
12:15 – 13:30	Lunch (Aksu Cag Kebab)

Online Sessions

Virtual Hall 1

<p>Online Session – 1 (in Turkish) Head of Session: Assoc. Prof. Dr. Yusuf Esmer</p>	
13:30 – 15:00	<p>The Link Between Technological Innovations and Total Quality Management: A Study on Turk Food Industry <i>Adnan Kara, Yusuf Esmer*</i></p>
	<p>The Role of Rituals in Social Repair after Natural Disasters <i>Sonyel Oflazoglu Dora*, Tutku Doksoz</i></p>
	<p>Investigation of the Factors Influencing the Disaster Preparedness of Vocational Health Services Students <i>Sevil Ozcan*, Perihan Ogdum</i></p>
	<p>Expression, Alternative Polyadenylation Process and Epigenetic Regulation of MRPS16 Gene in Breast Cancer <i>Shams Sarimammadli, Tolga Acun*</i></p>
	<p>Increased Climate Change and Its Effects on Insect Populations <i>Gokce Ustundag*</i></p>
	<p>Evaluation of Ecosystem Services Provided by Trees in Edirne Baris Park Using the i-Tree Eco Model <i>Irem Nur Keles*, Emine Keles Ozgenc</i></p>
	<p>Upcycling Aircraft Scrap: Transforming Aviation Heritage into Functional Design <i>Deniz Ordulu*, Mehmet Kenan Yildirim</i></p>
	<p>Analytical Treatments for the Zig-Zag Optical Lattices in Quantum Physics <i>Bahadir Kopcasiz*</i></p>
15:00 – 15:15	Break
<p>Online Session – 2 (in Turkish) Head of Session: Assoc. Prof. Dr. Murat Colak</p>	
15:15 – 16:45	<p>Urban Green Infrastructure and Stormwater Management <i>M. Burak Karakaya*, Zeynep Eren</i></p>
	<p>Thermal Kinetic Behaviour of 2-Methyl-1, 3-Dioxoisindoline-5-Carboxylic Acid <i>Hatice Bayrakceken*, Ozlem Gundogdu, Nurhan Horasan</i></p>
	<p>Design, Prototyping, and Experimental Investigation of a Crash Box with Lattice Geometry <i>Erman Zurnaci*, Mahmut Can Turk</i></p>
	<p>Shunt Reactor Conservator Analysis: Under Full Vacuum and Buckling</p>

	<p>Conditions <i><u>Dogan Koyun*</u></i>, <i><u>Cagri Aksakal</u></i>, <i><u>Ahmet Feyzioglu</u></i></p>
	<p>Evaluating Count Regression Models Under Varying Dispersion: A Simulation Study of Poisson, Negative Binomial, and COM-Poisson Residuals <i><u>Sima Atalay*</u></i>, <i><u>Hatice Tul Kubra Akdur</u></i></p>
	<p>Investigation of Low Temperature Behaviour of Boron Added Rosin Compound <i><u>Merve Gulfer Bozdemir*</u></i>, <i><u>Hacer Yesilcicek</u></i>, <i><u>Seref Oruc</u></i></p>
	<p>Acetabular Liner Material Selection in Artificial Hip Joints Using Computer Aided Software (CES) Program <i><u>Zeynep Gerdan*</u></i></p>
	<p>Investigation of the Modification Effect of Solidification Time and Sr Addition in Casting of Al12Si Alloy <i><u>Murat Colak*</u></i></p>
16:45 – 17:00	Break
<p>Online Session – 3 (in Turkish) Head of Session: Asst. Prof. Dr. Ramazan Simsek</p>	
17:00 – 18:30	<p>Harmonic Analysis in Power Transformers by Performing Experiments and Using Developed Hybrid Heuristic Algorithms <i><u>Mehmet Zile*</u></i></p>
	<p>Design and Production of High Mechanical Durability Vacuum Circuit Breaker with Insulation Class up to 36 kV <i><u>Arif Ucer</u></i>, <i><u>Mehmet Yuksel*</u></i>, <i><u>Mustafa Cetin</u></i>, <i><u>Ramazan Karaaslan</u></i></p>
	<p>Reduction of DC-Link Capacitor Current by Phase Shifting Method <i><u>Deniz Sahin*</u></i>, <i><u>Bulent Dag</u></i></p>
	<p>The Influence of Rotor Magnet Height and Stator Position on Acoustic Performance in BLDC Blowers <i><u>Ahmet Arif Kose*</u></i></p>
	<p>Optimizing Thermal Paste Application for Improved Cost Efficiency and Performance in BLDC Motor Production <i><u>Engin Mert Nayir*</u></i></p>
	<p>Parametric Design and 3D Production of Door Hinges for Electric Vehicles <i><u>Erman Zurnaci*</u></i>, <i><u>Ilker Ismail Soran</u></i></p>
	<p>Electric Motor Attachment Point Target Setting for a HVAC <i><u>Murat Isik*</u></i></p>
	<p>Addressing Acoustic Comfort in Electrified Vehicles: High-Frequency Noise Mitigation in BLDC Motors <i><u>Murat Isik*</u></i></p>
18:30 – 18:45	Break

<p style="text-align: center;">Online Session – 4 (in Turkish) Head of Session: Asst. Prof. Dr. Ramazan Simsek</p>	
18:45 – 20:15	<p>Resolving NVH Challenges in BLDC HVAC Systems <i><u>Murat Isik</u></i>*</p>
	<p>In-Depth Analysis of Web and API Vulnerabilities: OWASP Top 10 and Security Strategies <i><u>Simge Sengul</u></i>*, <i><u>Durmus Ozkan Sahin</u></i></p>
	<p>Impacts of Mining Activities on Ecosystem Services: Environmental and Socioeconomic Perspectives <i><u>Enes Ozgenc</u></i>*, <i><u>Emine Keles Ozgenc</u></i>, <i><u>Gunay Yildiz Tore</u></i></p>
	<p>Criteria Affecting Online Shopping Site Selection and Choosing the Best Alternative <i><u>Zeynep Sude Cigdem</u></i>*, <i><u>Nagihan Karsli</u></i>, <i><u>Emine Dadasoglu</u></i>, <i><u>Seyma Emec</u></i></p>
	<p>Ergonomic Problems in the Textile Industry Determining Priorities with Multi-Criteria Decision Making <i><u>Zeynep Bora</u></i>*, <i><u>Mujde Arslan</u></i>, <i><u>Kubra Deniz</u></i>, <i><u>Seyma Emec</u></i></p>
	<p>Some Fertility Properties of Soils Due to Good Agricultural Practices <i><u>Mustafa Demir</u></i>*, <i><u>Erdihan Tunc</u></i>, <i><u>Omer Celik</u></i>, <i><u>Nevzat Aslan</u></i>, <i><u>Hafize Hasar</u></i></p>
	<p>A Study on Dominant Eigenvalues <i><u>Ramazan Simsek</u></i>*</p>

Virtual Hall 2

<p style="text-align: center;">Online Session – 5 (in English) Head of Session: Dr. Intan Helina Hasan</p>	
13:30 – 15:00	<p>Electronic and Optical Properties of Inorganic Perovskites: A DFT Study for Solar Energy Conversion <i><u>Lakhdar Benahmedi</u></i>*, <i><u>Anissa Besbes</u></i>, <i><u>Radouane Djelti</u></i></p>
	<p>An Optimization of Organic Solar Cell Using SCAPS-1D Simulation Based on Genetic Algorithm <i><u>Samia Moulebhar</u></i>*, <i><u>Chahrazed Bendenia</u></i>, <i><u>Hanaa Merad-Dib</u></i>, <i><u>Souhila Bendenia</u></i>, <i><u>Sid Ahmed Khantar</u></i>, <i><u>Sarra Merabet</u></i></p>
	<p>Enhancing Stability and Thermal Conductivity of Nanofluids: Insights into Advanced Formulations for Energy Systems <i><u>Sanae Bayou</u></i>*, <i><u>Chouki El moujahid</u></i>, <i><u>Tarik Chafil</u></i></p>
	<p>Influence of Connector Forces on the Multi-Directional Configuration of a Hexagonal Modular Floating Structure <i><u>Nur Hanani Ahmad Azlan</u></i>*, <i><u>Nik Mohd Ridzuan Shahrudin</u></i>, <i><u>Arifah Ali</u></i></p>
	<p>Experimental Study of the Effect of the Rotating Grooved Tube on Adjacent</p>

	<p>Tubes in a Linear Tube Bundle <i>Ismail Draï*</i>, <i>Tayeb Yahiaoui</i>, <i>Rachid Sahnoun</i>, <i>Habib Merouane</i>, <i>Omar Imine</i></p> <p>Fractional Brownian Motion-Based Fractal Analysis of EEG Signals for Evaluating Neural Complexity in Alzheimer’s Disease <i>Hadj Abdelkader Benghenia*</i>, <i>Hadj Slimane Zine-Eddine</i>, <i>Hadj Ali Bakir</i></p> <p>Molecular Structure of Hydroxyapatite bonded PDMS Composite with Enhanced Mechanical Properties – Experimental and Molecular Dynamic Simulation <i>Chellaiah Ayyanar</i>, <i>Sumit Pramanik*</i></p> <p>Effect of Ground Granulated Blast-Furnace Slag on the Workability of Recycled Self-Compacting Concrete <i>Boubakeur Asmaa*</i>, <i>Menadi Belkacem</i></p>
15:00 – 15:15	Break
<p>Online Session – 6 (in English) Head of Session: Dr. Intan Helina Hasan</p>	
15:15 – 16:45	<p>Viable Medical Supply Chains: A Comprehensive Literature Review <i>Beren Gursoy Yilmaz*</i>, <i>Omer Faruk Yilmaz</i></p> <p>Robust Optimization Model for Resilient Medical Supply Chain Network Design Under Demand Uncertainty <i>Omer Faruk Yilmaz</i>, <i>Beren Gursoy Yilmaz*</i></p> <p>Performance Study of the Anode and Cathode Pressure for Fuel Cell System Regulated by PID Conventional and PID Optimized by Intelligent Algorithm Under Variable Load Demand <i>Sabah Kabache*</i>, <i>Hicham Bouregba</i></p> <p>Enhanced Fault Detection in Electrical Machines Using Modified Stator Current Signal Analysis <i>Azeddine Ratni*</i>, <i>Djamel Benazzouz</i>, <i>Mohammed Tsebia</i></p> <p>Photovoltaic-Hydroelectric-Diesel Power Storage Hybridization System Integrated in Algeria <i>Lahouasnia Nasreddine*</i></p> <p>The Improvement of Load Unbalance Detection Through Space Vector Transform <i>Lahouasnia Nasreddine*</i>, <i>Deghboudj Thamer</i></p> <p>Contribution of Artificial Intelligence to Dynamic Industrial Risk Assessment: Towards Predictive and Secure Management <i>Imane Aila*</i>, <i>Samia Chettouh</i>, <i>Djamel Haddad</i></p> <p>Stability Analysis of the Pitch Angle Control Using MPPT of Large Wind Turbines Using Artificial Neuronal Network Controller Strategies <i>Hicham Bouregba*</i>, <i>Sabah Kabache</i></p>
16:45 – 17:00	Break

Online Session – 7 (in English) Head of Session: Dr. Mohd Hafizuddin Ab Ghani	
17:00 – 18:30	Optimization of Drilling Performance in Natural Fiber Composites Using Taguchi and Desirability Function Methods <i><u>Mustapha Arslane</u>*</i> , <i>Mohamed Slamani</i> , <i>Abdelmalek Elhadi</i> , <i>Salah Amroune</i>
	Efficient Drilling Path Optimization in CNC Machining Using Genetic Algorithms and TSP Methodology <i><u>Mustapha Arslane</u>*</i> , <i>Mohamed Slamani</i> , <i>Abdelmalek Elhadi</i> , <i>Salah Amroune</i>
	Parametric Study of a Domestic Solar Water Heating System for Hot Water Supply <i><u>Ahmed Remlaoui</u>*</i> , <i>Driss Nehari</i>
	Study and Analysis of the Efficiency of a Photovoltaic Panel Using Phase Change Material <i>Taieb Nehari*</i> , <i>Mohamed Serier</i> , <i><u>Zahra Assala Zehouani</u></i> , <i>Mohammed Hadjadj</i> , <i>Ahmed Remlaoui</i>
	Assessing Heat Transfer Efficiency in Building Brick: The Influence of Phase Change Materials and EPS Insulation as Passive Cooling Techniques <i><u>Zahra Assala Zehouani</u>*</i> , <i>Taieb Nehari</i> , <i>Mohamed Hadjadj</i>
	Challenges of Concentrated Solar Power in MENA Region, Case Study: Algeria <i><u>Mohamed Teggat</u>*</i>
	Impact of Soil-Structure Interaction on Dynamic Amplification Factor: A Seismic Response Analysis for Multi-Degree-of-Freedom Systems <i><u>Leyla Bouaricha</u>*</i>
	Evaluation of Mechanochemical and Thermal Performance of Sisal and Flax Fiber Mat Reinforced Epoxy Based Laminated Hybrid Composites <i><u>Ravi Chitra Kishor</u></i> , <i>Sumit Pramanik*</i>
18:30 – 18:45	Break
Online Session – 8 (in English) Head of Session: Dr. Nurhafizah Hasim	
18:45 – 20:15	Numerical Study of the Diffused Chamber Shapes of Aerostatic Thrust Bearing <i><u>Faiza Ghezali</u>*</i>
	Numerical Evaluation of Spanswise Elliptical Film Cooling Hole <i><u>Faiza Ghezali</u>*</i>
	Enhanced Photovoltaic Performance through Dual-Absorber Design: A Simulation Study of CIGS/CZTS Solar Cells <i><u>Sarra Merabet</u>*</i> , <i>Chahrazed Bendenia</i> , <i>Souhila Bendenia</i> , <i>Hanae Merad</i> , <i>Samia Moulebhar</i> , <i>Sid Ahmed Khantar</i>
	Finite Element Analysis of the Biomechanical Behavior of a Human Tibia

	<p>Subjected to Mechanical Impact <i>Hadjer Benamar*</i>, <i>Noureddine Djebbar</i>, <i>Wahid Oudad</i></p>
	<p>A Computational Approche of Interface Damage in Biocomposites Based on PLA/Cellulosic Plant Fibers <i>Bouchra Achour*</i>, <i>Allel Mokaddem</i>, <i>Bendouma Doumi</i>, <i>Abdelkader Ziadi</i>, <i>Lahcen Belarbi</i>, <i>Ahmed Boutaous</i></p>
	<p>Chlorine Liquefaction Process at the ADWAN Company, Algeria <i>Chahrazed Bendenia*</i>, <i>Souhila Bendenia</i>, <i>Hanaa Merad-Dib</i>, <i>Samia Moulebhar</i>, <i>Sarra Merabet</i>, <i>Sid Ahmed Khantar</i></p>
	<p>Thermographic Assessment of Materials for Improved Comfort <i>Ivana Salopek Čubrić</i>, <i>Laure Maurice</i>, <i>Goran Čubrić*</i>, <i>Antonija Petrov</i></p>
	<p>Band Gap Alignment Analysis: Comparing the Ginley Method and XPS in ZrO₂ V₂O₅ Type I Junctions <i>Abdelmounaim Chetoui*</i>, <i>Ilyas Belkhattab</i>, <i>Youcef Messai</i></p>

Saturday, December 14, 2024

Online Sessions

Virtual Hall 1

<p>Online Session – 9 (in English) Head of Session: Asst. Prof. Dr. Mustafa Alptekin Engin</p>	
<p>09:00 – 10:30</p>	<p>Environmental Challenges and Geochemical Approaches for the Prediction of Mining Waste <i>Hanae Chat*</i>, <i>Farida Salmoun</i></p>
	<p>Design Dual-Band Microstrip Patch Antenna by Using a Rectangular Hole <i>Hassan Aldeeb*</i></p>
	<p>Numerical Study of a Compressible Flow in a Convergent-Divergent Transonic Diffuser <i>Habib Merouane*</i>, <i>Rachid Sahnoun</i>, <i>Ismail Draï</i></p>
	<p>Numerical Investigations on the Effect of Isothermal Multi-Jets in Air Curtains with LES Approach <i>Rachid Sahnoun*</i>, <i>Ismail Draï</i>, <i>Habib Merouane</i></p>
	<p>Synthesis and Structural Refinement of Bismuth-Based Pyrochlore Oxides <i>Rafik El Arslene Draï*</i>, <i>Amira Ghislaine Draï</i>, <i>Lynda Amel Chaabane</i></p>
	<p>Evaluation of Structural and Optical Properties of Pristine and Cu-Doped ZnO Thin Films <i>Khemissi Lahouel*</i>, <i>Meriem Gasmi</i>, <i>Abdecharif Boumaza</i>, <i>Abdelkader Djeloul</i></p>
	<p>The Influence of Nanofluids (TiO₂, SiO₂, TiO₂/SiO₂) on Asphaltenes Precipitation <i>Billel Zahaf*</i>, <i>Issam Bouyahyaoui</i></p>

	<p>Turbulent and Heat Transfer Investigation of Artificially Roughened Solar Air Heater with Curved Absorber Plate <i><u>Boucif Zina</u>*</i>, <i>Zerrouki Abdelwahhab</i>, <i>Abdelkader Filali</i>, <i>Ahmed Remlaoui</i></p>
10:30 – 10:45	Break
<p>Online Session – 10 (in English) Head of Session: Assoc. Prof. Dr. Selahattin Kosunalp</p>	
10:45 – 12:15	<p>Pyrolysis Temperature Effect on the Properties of Polyaniline Based Nitrogen Doped Carbon Supports for PEM Fuel Cells <i>Emine Oner</i>, <i><u>Ayse Bayrakceken</u>*</i></p>
	<p>Co@Pt/C Based Gas Diffusion Electrodes Prepared by Magnetron Sputtering for PEM Fuel Cells <i>Sonnur Kurtulus</i>, <i><u>Ayse Bayrakceken</u>*</i></p>
	<p>Effect of Thermal Treatment on the Electrical and Optical Properties of Al-Doped ZnO Thin Films for Solar Cell Applications <i><u>Mahdia Toubane</u>*</i>, <i>Asma Bessaad</i>, <i>Djedjiga Haouanoh</i>, <i>Fayrouz Benhaoua</i>, <i>Razika Tala-Ighil</i></p>
	<p>Real-Time in Situ X-Ray Diffraction Analysis of Metal Oxide Nanoparticles: Structural Evolution and Phase Transitions <i><u>Abdelmalik Zemieche</u>*</i>, <i>Loubna Chetibi</i>, <i>Djamel Hamana</i>, <i>Slimane Achour</i></p>
	<p>Use of Recycled Polyethylene Terephthalate Strips in Soil Improvement <i><u>Lina Zaidi</u>*</i>, <i>Fatima Zohra Benamara</i>, <i>Messaouda Bencheikh</i></p>
	<p>Comprehensive Examination of the Properties and Applications of Smart Perovskites Materials <i><u>Saadiya Benatmane</u>*</i>, <i>Montaha Affane</i>, <i>Sabria Terkhi</i>, <i>Samira Ziane</i></p>
	<p>Effect of Physical Treatment of Orange Peel Powder on the Mechanical Properties of Biocomposites Based on Polylactic Acid <i><u>Atmane Yahiaoui</u>*</i></p>
	<p>Prediction of Arias Intensity of Earthquake Acceleration Recorded in Soft Soil Sites <i><u>Aouari Issam</u>*</i>, <i>Benahmed Baizid</i>, <i>Rouabeh Aicha</i></p>
12:15 – 12:30	Break
<p>Online Session – 11 (in English) Head of Session: Assoc. Prof. Dr. Selahattin Kosunalp</p>	
12:30 – 14:00	<p>Impact of Cutting Parameters on Part Surfaces in Machining <i><u>Souad Meftah</u>*</i></p>
	<p>Effect of Durability Indicators of Precast Concrete on Mechanical Behavior in Hot Climate <i><u>Ben Ammar Ben Khadda</u>*</i></p>

	<p>Study of Optical Properties of NiO Thin Films Prepared by Lemon Peel Extracts <i>Imane Djouabi*</i>, <i>Mahdia Toubane</i>, <i>Nadia Boukherroub</i></p>
	<p>Damping Modification Factors Assessment for Displacement and Acceleration Spectra Considering Epicentral Distance and Site Conditions Effects <i>Abdelhamid Abdelmalek*</i>, <i>Benahmed Baizid</i></p>
	<p>Comparative Analysis of the Stability and Seismic Performance of a Reinforced Concrete Structure Using Two Bracing Systems <i>Bachir Boudarba*</i>, <i>Abdelhamid Abdelmalek*</i></p>
	<p>Drag Estimation and Validation of a USV Catamaran Hull Using Maxsurf Resistance and Towing Tank Testing <i>Muhammad Harith Danial Azlan</i>, <i>Nik Mohd Ridzuan Shaharuddin*</i></p>
	<p>Synthesis and Characterization of Co₃O₄-rGO for Photodegradation of Dyes <i>Muhammad Saeed*</i>, <i>Asif Nisar</i></p>
	<p>Removal of Safranin O by Adsorption Using Commercial Activated Carbon Doped with Fe₃O₄ Nanoparticles <i>Asmaa Ouali*</i>, <i>Salima Attouti</i>, <i>Nadia Douara</i></p>
14:00 – 14:15	Break
<p>Online Session – 12 (in English) Head of Session: Dr. Nurhafizah Hasim</p>	
14:15 – 15:45	<p>Digital Transformations in the Oil and Gas Industry <i>Farhad Yusifov*</i></p>
	<p>Optimizing Renewable Energy Integration in Radial Distribution Systems Considering Uncertainties in Power Generation <i>Bendriess Badreddine*</i>, <i>Samir Sayah</i>, <i>Abdellatif Hamouda</i></p>
	<p>Mitigating Emissions of Ship Exhausts for Maritime Sustainability <i>Atallah Ghribi</i>, <i>Mohamed Teggat*</i></p>
	<p>2D Moving Objects Localization in Video Surveillance Based on Fast-ICA Algorithm for Background Subtraction and Local Yezzi Algorithm for Level Sets Models <i>Abderrahmane Naoum*</i>, <i>Meriem Boumehed</i>, <i>Belal Alshaqaqi</i>, <i>Abdelkrim Meche</i></p>
	<p>Analysis of Functionally Graded Materials Plates (FGM-P) Using Refined High Order (RHSOT) <i>Merdaci Slimane*</i>, <i>Hadj Mostefa Adda</i>, <i>Bouchafa Ali</i></p>
	<p>Predictive Modelling of Material Degradation Using Machine Learning <i>Tomislav Rolich</i>, <i>Ivana Salopek Čubrić*</i></p>
	<p>Robust EEG Signal Prediction via Advanced Deep Learning and Ensemble Strategies <i>Mouissat Rabah Abderrahmane</i>, <i>Hakkoum Khaoula Nour El Houda*</i>, <i>Hamza</i></p>

	<p><i>Cherif Lotfi</i></p> <p>Biomechanical Assessment of Caries Effects on Tooth Stability in the Alveolar Bone <i>Ali Merdji*</i>, <i>Laid Aminallah</i>, <i>Ali Benaissa</i>, <i>Noureddine Della</i>, <i>Sandipan Roy</i></p>
15:45 – 16:00	Break
<p>Online Session – 13 (in English) Head of Session: Dr. Nurhafizah Hasim</p>	
16:00 – 17:30	<p>Therapeutic Potential of <i>Pistacia Lentiscus</i> Essential Oil: Antioxidant, Anti-Inflammatory, and Antimicrobial Activities <i>Fatima Djenad*</i>, <i>Sabiha Achat</i>, <i>Sabrina Idir</i>, <i>Yasmine Achat</i>, <i>Tassadit Sahki</i></p>
	<p>Exploring the Biocompatibility of <i>Lepidium Sativum</i> Seeds Polysaccharide and Its Potential Therapeutic Properties <i>Yasmine Achat*</i>, <i>Khalef Lefsih</i>, <i>Lila Boulekbache</i>, <i>Fatima Djenad</i>, <i>Siham Beddar</i>, <i>Sabrina Idir</i></p>
	<p><i>Anethum Graveolens</i> L. Seeds in Algeria: An Important Source of Bioactives Compounds with Nutritional and Health Significance <i>Nour El Houda Belabas*</i>, <i>Younes Douffa</i>, <i>Nadjat Azzi</i>, <i>Amel Barkat</i>, <i>Haifaa Laroui</i>, <i>Thoraya Guemmaz</i>, <i>Fatima Zerargui</i>, <i>Karima Saffidine</i>, <i>Abderrahmane Baghiani</i></p>
	<p><i>Inula Viscosa</i>: Total Antioxidant Capacity and Radical Scavenging Activity of Aqueous Extract <i>Nadjat Azzi*</i>, <i>Nour El Houda Belabas</i>, <i>Younes Douffa</i>, <i>Amel Barkat</i>, <i>Haifaa Laroui</i>, <i>Thoraya Guemmaz</i>, <i>Fatima Zerargui</i>, <i>Karima Saffidine</i>, <i>Abderrahmane Baghiani</i></p>
	<p>Classification MRI Images of Depressed Subjects Using Artificial Neural Network Classifier <i>Mansouria Sekkal*</i>, <i>Samia Moulebhar</i></p>
	<p>Novel Isoxazolines from (E)-α-Atlantone via [3+2] Cycloaddition Reactions: Experimental Insights, Docking Analysis, and Quantum Investigation <i>Houria Raji</i>, <i>Abdellah Zeroual*</i>, <i>Ahmed Chekroun</i>, <i>Haydar Mohammad-Salim</i>, <i>Asad Syed</i>, <i>Ali H. Bahkali</i>, <i>Jesús Vicente de Julián-Ortiz</i>, <i>Ahmed Benharref</i></p>
	<p>Whole Genome Sequencing of a Bacteriocinogenic <i>Enterococcus Faecium</i> Strain Isolated from Bottarga: Genomic Traits and Characterization of the Enterocins Clusters <i>Abdelkader Fathallah*</i>, <i>Mohamed Selim Kamoun</i>, <i>Chaima Hkimi</i>, <i>Kais Ghedira</i>, <i>Mohamed Salah Abbassi</i>, <i>Salah Hammami</i></p>
	<p>In Vitro Antioxidant Potential of Methanolic and Aqueous Extracts from a <i>Chenopodiaceae</i> Family Plant <i>Khalil Kaouane*</i>, <i>Hamza Kemchache</i>, <i>Hanane Khither</i>, <i>Soraya Madoui</i></p>

17:30 – 17:45	Break
<p style="text-align: center;">Online Session – 14 (in English) Head of Session: Dr. Nurhafizah Hasim</p>	
17:45 – 19:15	<p>Toxic Plants Used in Folk Medicine and Their Impact on Nutrition and Food Security in Oran, Algeria <i>Ali Khalfa*</i>, <i>Fatima Bensalah</i>, <i>Sofiane Bouazza</i>, <i>Mounir Chihab</i>, <i>Farid Bennabi</i>, <i>Walid Khitri</i></p>
	<p>Nutritional Strategies for Enhanced Recovery in Burn Patients <i>Ali Khalfa*</i>, <i>Fatima Bensalah</i>, <i>Sofiane Bouazza</i>, <i>Mounir Chihab</i>, <i>Farid Bennabi</i>, <i>Walid Khitri</i></p>
	<p>Laying Rate and Characteristics of Plymouth Rock Hen Eggs in Oasis Family Farms in the Adrar Region, Southwest Algeria <i>Abderrahmen Boubekour*</i>, <i>Mohammed Souddi</i></p>
	<p>Anti-Diabetic Properties of Kombucha Made from Dried Coffee Peel: Flavonoid Content and Inhibitory Activity Against α-Glucosidase <i>Meysin Anjliany*</i></p>
	<p>Eco-Friendly Adsorption of Polyphenols from Olive Mill Wastewater Using Biochar Derived from Olive Mill Solid Waste <i>Kawtar Ezzahi*</i>, <i>Imad Rabichi</i>, <i>Nabil Rochdi</i>, <i>Rachid Idouhli</i>, <i>Mohamed Hafidi</i>, <i>Abdelaziz Bacaoui</i>, <i>Abdelghani Yaacoubi</i>, <i>Loubna El Fels</i></p>
	<p>Optimizing Biochar Preparation for Eco-friendly Adsorption of Polyphenols and Organic Compounds in Pilot-Scale: An Application of Doehlert Designs <i>Imad Rabichi*</i>, <i>Kawtar Ezzahi</i>, <i>Chaima Sekkouri</i>, <i>Fatima Ezahra Yaacoubi</i>, <i>Karima Ennaciri</i>, <i>Loubna El Fels</i>, <i>Mohamed Hafidi</i>, <i>Abdelaziz Bacaoui</i>, <i>Abdelrani Yaacoubi</i></p>
	<p>Detection of <i>Citrobacter Sp</i> in Tilapia Fish (<i>Oreochromis Sp</i>) and Tank Water and Its Antibiotic Resistance Pattern <i>Romeissa Derdachi*</i>, <i>Sabrine Boucetta</i></p>
<p>Priming with Chitosan Nanospheres Encapsulating Magnetite-Gibberellic Acid Elicit Tolerance Against Cadmium Toxicity in Wheat Seedlings <i>Arruje Hameed*</i>, <i>Alia Ambreen</i>, <i>Tahir Farooq</i>, <i>Amjad Hameed</i></p>	
19:15 – 19:30	Break
<p style="text-align: center;">Online Session – 15 (in English) Head of Session: Asst. Prof. Dr. Sebahat Oztekin</p>	
19:30 – 21:00	<p>Antibiotic Therapy and Antibiotic Residues Detection in Tilapia Fish <i>Oreochromis Sp</i> (Linnaeus, 1758) <i>Romeissa Derdachi*</i>, <i>Sabrine Boucetta</i></p>
	<p>Priming with Chitosan Nanospheres Encapsulating Magnetite-Gibberellic Acid Elicit Tolerance Against Cadmium Toxicity in Wheat Seedlings</p>

	<i>Arruje Hameed*</i> , <i>Alia Ambreen</i> , <i>Tahir Farooq</i> , <i>Amjad Hameed</i>
	Assessment of Physico-Chemical and Biological Parameters in Poultry Manure Composting and the Biodegradation of Antibiotic Residues <i>Jihane Baghor*</i> , <i>Mohamed Hafidi</i> , <i>Loubna El Fels</i>
	Valorization of Agricultural Wastes from <i>Rosa Canina</i> : Cellulose Extraction and Physico-Chemical Characterization <i>Fatma Bhiri*</i> , <i>Fatma Kallel</i> , <i>Amir Bouallegue</i> , <i>Samira Abidi</i> , <i>Gmar Bensidhom</i> , <i>Semia Ellouz Chaabouni</i> , <i>Aida Ben Hassen Trabelsi</i>
	Critical Factors Governing the Activation Process of Olive Residue-Derived Activated Carbons for Enhanced Pollutant Removal <i>Abdelaziz Ounas</i> , <i>Imad Rabichi*</i> , <i>Zaina Izeghiri</i> , <i>Abdelaziz Bacaoui</i> , <i>Abdelrani Yaacoubi</i>
	Examining the Impact of Biochar and Irrigation with Treated Wastewater on Soil Physicochemical Characteristics and Plant Growth (<i>Zea Mays</i>) <i>Asma Dahani*</i> , <i>Elmostapha Outamamat</i> , <i>Khalid Oufdou</i> , <i>Mohamed Hafidi</i> , <i>Loubna El Fels</i>
	Evaluation of Rapid Alert System for Food and Feed (RASFF) Data for Pesticide Residues in Fresh Fruits and Vegetables from Türkiye in 2024 <i>Sebahat Oztekin*</i>
	Synbiotic Water Kefir Production and Investigation of Certain Quality Parameters <i>Sebahat Oztekin*</i>

Virtual Hall 2

<p>Online Session – 16 (in English) Head of Session: Dr. Nurhafizah Hasim</p>	
09:00 – 10:30	Effective Corrosion Protection of Aluminium Alloys with Polymeric Material <i>Meryem Imane Amrane*</i> , <i>Wahiba Amrane</i> , <i>Chaimaa Boucherit</i>
	Preliminary Evaluation of Local Medicinal Plant Extract from Anacardiaceae Family <i>Fouzia Benoudjit*</i> , <i>Hania Guechetouli</i> , <i>Lylia Naili</i>
	Exploring Phenolic Composition and Antioxidant Potential Using Ferric Reducing Power Assay of a Medicinal Plant from Khenchela Region in Crude Extract <i>Bouaita Rayene*</i> , <i>Djemil Randa</i> , <i>Bouhalit Samira</i> , <i>Boutellaa Saber</i> , <i>Zineb Bouamrane</i> , <i>Teouallbia Youssra</i>
	Natural Antifungal Cream Based on Garlic Macera <i>Meryem Allioua*</i> , <i>Ahmed Yacine Mazari</i> , <i>Waffa Bouali</i>
	Correlation and Agreement Between the Body Mass Index, Waist Circumference, Body Fat Index and Body Fat with the Waistto-Height Ratio in Algeria Adults <i>Salima Taleb*</i> , <i>Fatma Klaa</i> , <i>Djihad Menia</i>

	<p>Draft Genome Sequence of <i>optrA</i>-Positive <i>Enterococcus Feacium</i> Strain Isolated from Turkey in Tunisia: The Resistome, Virulome, and Mobilome <i>Sana Lengliz*</i>, <i>Hajer Kilani</i>, <i>Faten Ghodhbane-Gtari</i>, <i>Meher Gtari</i>, <i>Mohamed Salah Abbassi</i></p>
	<p>Phytochemical Analysis and Antibacterial Activity Assessment of Hydroethanolic Extracts from the Aerial Parts of a Wild Medicinal Plant in the Mila Region <i>Zineb Bouamrane*</i>, <i>Hakima Belattar</i>, <i>Saber Boutellaa</i>, <i>Mouna Menakh</i>, <i>Nedjla Derbal</i>, <i>Manel Ferkhi</i>, <i>Rayene Bouaita</i></p>
	<p>Bioactive Potential of Nettle Aerial Parts: Phenolic Content, Antioxidant Activity, and Anti-inflammatory Properties <i>Hamza Kemchache*</i>, <i>Khalil Kaouane</i>, <i>Soraya Madoui</i>, <i>Hanane Khither</i></p>
10:30 – 10:45	Break
<p>Online Session – 17 (in English) Head of Session: Dr. Nurhafizah Hasim</p>	
	<p>Enhanced Pechini Sol-Gel Synthesis of NiO Nanoparticles Using <i>Eruca Sativa</i> Extract: Photocatalytic and Antibacterial Applications <i>Hayet Missouni*</i>, <i>Djanette Blizak Meriem</i>, <i>Souheyla Toubal</i>, <i>Imane Djouabi</i></p>
	<p>Algerian Lemon Balm: Chemical Composition and Antioxidant Capacity of Hydroethanolic Extract from the Aerial Parts <i>Nedjla Derbal*</i>, <i>Hakima Belattar</i>, <i>Zineb Bouamrane</i></p>
	<p>A Descriptive Study of Pathologically Confirmed Patients with Breast Cancer in the Region of Bejaia, Algeria <i>Mostaphaoui Yasmine*</i>, <i>Menad Rafik</i>, <i>Moudilou Elara N'tima</i>, <i>Bencharif Chahla</i></p>
	<p>Visceral Leishmaniasis and Poverty in the Middle East and North Africa Region <i>Mohammed-Yassine Takzima*</i>, <i>Mohamed Echchakery</i>, <i>Mohamed Hafidi</i>, <i>Loubna El Fels</i></p>
10:45 – 12:15	<p>Phenolic Content and Antioxidant Activity of Ethyl Acetate Extract of <i>Pistacia Atlantica</i> Seeds <i>Younes Douffa*</i>, <i>Nadjat Azzi</i>, <i>Nour El Houda Belabas</i>, <i>Haifaa Laroui</i>, <i>Thoraya Guemmaz</i>, <i>Karima Saffidine</i>, <i>Fatima Zerargui</i>, <i>Abderrahmane Baghiani</i></p>
	<p>Phytochemical Analysis, Anti-Inflammatory, and Analgesic Activities of a Cypress Methanolic Extract <i>Thoraya Guemmaz*</i>, <i>Nour El Houda Belabas</i>, <i>Nadjat Azzi</i>, <i>Younes Douffa</i>, <i>Haifaa Laroui</i>, <i>Fatima Zerargui</i>, <i>Karima Saffidine</i>, <i>Abderrahmane Baghiani</i></p>
	<p>Antioxidant Activity of Two Date Fruits Cultivar in First Ripening Stage <i>Amel Barkat*</i>, <i>Hayat Trabsa</i>, <i>Abderrahmane Baghiani</i>, <i>Abdelnacer Agli</i></p>
	<p>Impact of Early Maladaptive Schemas on Perceived Stress and Moderating Role of Resilience in Nursing Students <i>Ilham Rhzali*</i>, <i>Hanane Khalki</i>, <i>Samira Boulbaroud</i>, <i>Fatima-Zahra Azzaoui</i></p>

12:15 – 12:30	Break
<p style="text-align: center;">Online Session – 18 (in English) Head of Session: Dr. Nurhafizah Hasim</p>	
12:30 – 14:00	1,3-Dipolar Reaction Study by Means of Density Functional Theory Approaches <i>Boulanouar Messaoudi*</i>
	Synthesis, Biological Activity, and Enantioseparation of Iminonaringenine <i>Mohamed Nadjib Rebizi*, Salah-Eddin Rahmani</i>
	Molecular Pharmacology of Anti-Rheumatic Biomolecules: A Review <i>Sara Ouari*, Nadia Benzidane, Noureddine Bribi</i>
	α -Amylase and Antifungal Activity of a Medicinal Plant from Algeria Ammoides <i>Roumeila Zerrouk*, Sihem Boudermine, Tarek Boudiar</i>
	Exploring Arthropods as an α -Chitin and β -Chitin Sources for Circular Economy Applications <i>Samia Elouali*, Samira Benali, Jean-Marie Raquez, Mohammed Rhazi</i>
	Tuning the Plasmonic Properties of Gold Nanoparticles via Nd:YAG Laser Ablation in Liquid for Ethylene Glycol Sensing Application <i>Latifatul Aisyah Nabila, Nurul Hidayat*, Ahmad Taufiq</i>
	An Interior-Point Methods for Linear Complementarity Problem Based on a New Hyperbolic Kernel Function <i>Youssra Bouhenache*, Wided Chikouchee</i>
	Investigation of Structural, Electronic, Magnetic, and Elastic Characteristics of New KTaSn Half-Heusler Compound for Spintronic Devices <i>Sabir Makhoulouf*, Malika Labidi, Abdelaziz Amara</i>
14:00 – 14:15	Break
<p style="text-align: center;">Online Session – 19 (in English) Head of Session: Asst. Prof. Dr. Mustafa Alptekin Engin</p>	
14:15 – 15:45	Structural and Mechanical Properties of Zinc-Strontium-Lithium Phosphate Glass Doped with Carboxymethyl Cellulose <i>Siti Norfariza Farhana Binti Mohd Razak, Nur Hazwani Binti Mohd Yusoff, Nurhafizah Binti Hasim*, Nur Hidayah Binti Ahmad, Norshahirah Binti Mohamad Saidi, Mohd Fuad Bin Mohamad</i>
	Some Physical Properties of Sn ₉₅ X ₅ (X = Zn, Cd, Sb, and Ag) Alloys Rapidly Solidified by Melt Spinning Technique <i>Teysir Alzamil*</i>
	The Cauchy Problem of Ostrovsky Equation in Anisotropic Gevrey Spaces <i>Feriel Boudersa*, Abdellaziz Mennouni</i>
	The Combined Effects of Concave-Convex Nonlinearities to a New Class of Fractional Kirchhoff-Schrodinger-Poisson Systems

	<p><u><i>Hamza Boutebba</i></u>[*]</p> <p>Theoretical Study of Legendre Polynomials and Block-Pulse Functions Operational Matrix Algorithm and Its Application to the Stochastic Equation</p> <p><u><i>Sara Youcef Achira</i></u>[*]</p> <p>Schrodinger Equation Approximate Eigensolutions for the Generalized Cornell Plus Inverse Trigonometric Scarf-Type Potential</p> <p><u><i>Amal Ladjeroud</i></u>[*], <i>Badredine Boudjedaa</i></p> <p>On the p-Variation and Lax-Friedrichs Scheme</p> <p><u><i>Aimen Daoudi</i></u>[*], <i>Stéphane Junca</i></p> <p>Global Asymptotic Stability of Nonlinear Difference Equations Using Semi-Cycle Analysis</p> <p><u><i>Seyma Yesilusta</i></u>[*]</p>
15:45 – 16:00	Break
<p>Online Session – 20 (in English)</p> <p>Head of Session: Asst. Prof. Dr. Mustafa Alptekin Engin</p>	
16:00 – 17:30	<p>Analysis Study of the Polymeric Materials Weldability by Friction Stir Welding Process</p> <p><u><i>El Bahri Ould Chikh</i></u>[*], <i>Abdelnour Zaim, Laid Aminallah</i></p> <p>Impact of Ground Motion Selection Strategies on the Seismic Response of Reinforced Concrete Structure</p> <p><u><i>Abdelhamid Abdelmalek</i></u>[*], <i>Bouderba Bachir, Benahmed Baizid</i></p> <p>Hybrid and Floating Photovoltaic Systems: Insights into Efficiency, Challenges, and Future Potential</p> <p><u><i>Zulkifli Mohd Yusop</i></u>[*], <i>Siti Atirah Ibrahim, Muhamad Zalani Daud, Mohd Afifi Jusoh</i></p> <p>Breast Cancer Detection Using a Hexagonal Slotted Microstrip Patch Antenna with an Electromagnetic Signal</p> <p><u><i>Souheyla Ferouani</i></u>[*], <i>Bouchra Moulfi, Fatima Zahra Moussa, Safaa Moulfi</i></p> <p>A Frequency-Reconfigurable Pentagonal Microstrip Antenna Array</p> <p><u><i>Khouloud Mohammed Belhadj</i></u>[*], <i>Souheyla Ferouani, Djatal Ziani Kerarti</i></p> <p>Elliptical Pin Fin Heat Sink: Passive Cooling Control</p> <p><u><i>Fatima Zohra Bakhti</i></u>[*], <i>Mohamed Si-Ameur</i></p> <p>Experimental Investigation of a High-Order Technique Combined with Electrical Signal Analysis for Fault Detection in Electrical Drives</p> <p><u><i>Azeddine Ratni</i></u>[*], <i>Djamel Benazzouz, Ali Damou, Mohammed Tsebia</i></p> <p>Nanocrystalline NiO Thin Films: Optical Characteristics</p> <p><u><i>Djanette Meriem Blizak</i></u>[*]</p>
17:30 – 17:45	Break

<p style="text-align: center;">Online Session – 21 (in English) Head of Session: Asst. Prof. Dr. Mustafa Alptekin Engin</p>	
17:45 – 19:15	<p>K-Fold Cross-Validation for Enhancing Predictive Accuracy of Gradient Boosting Machine for Blasting Induced Fly Rock <i><u>Mohammed Bouhannache</u>*</i>, <i>Hamza Cheniti</i></p>
	<p>Prediction of Penetration Resistance for Fine-Grained Soils Using Artificial Neural Networks <i><u>Haseeb Ullah Kashif</u>*</i>, <i>Naveed Ahmad</i></p>
	<p>Recycling Construction Waste to Obtain a Cellular Insulation Material <i><u>Fayrouz Benhaoua</u>*</i>, <i>Djalila Aoufi</i>, <i>Nacira Stiti</i>, <i>Younes Lamri</i>, <i>Abdelouaheb Djeddou</i>, <i>Mahdia Toubane</i>, <i>Razika Tala-Irgil</i></p>
	<p>Separation of Benzene – Cyclohexane Mixture Using Intensified Extraction Process by Pyridinium-Based Ionic Liquids <i><u>Mohammed Djamel Eddine Allali</u>*</i>, <i>Hassiba Benyounes</i>, <i>Nesrine Amiri</i></p>
	<p>Performance Evaluation of PV/Wind/Wave Hybrid System for Green Hydrogen Generation for Kuala Terengganu, Malaysia <i><u>Mohd Afifi Jusoh</u>*</i>, <i>Mohd Zamri Ibarahim</i>, <i>Zulkifli Mohd Yusop</i>, <i>Muhamad Zalani Daud</i>, <i>Aliashim Albani</i>, <i>Muhammad Syarifuddin Yahya</i></p>
	<p>Nano Terahertz Patch Antenna for Wireless Body Area Network Applications <i><u>Bouchra Moulfi</u>*</i>, <i>Souheyla Ferouani</i>, <i>Fatima Zahra Moussa</i>, <i>Safaa Moulfi</i></p>
	<p>Slotted Miniature Patch Antenna for Wi-Fi 5 and Wi-Fi 6 Applications <i><u>Fatima Zahra Moussa</u>*</i>, <i>Souheyla Ferouani</i>, <i>Bouchra Moulfi</i></p>
	<p>Machine Learning Based Weather Type Classification <i><u>Mustafa Alptekin Engin</u>*</i>, <i>Latif Akcay</i></p>
19:15 – 19:30	Break
<p style="text-align: center;">Online Session – 22 (in English) Head of Session: Asst. Prof. Dr. Mustafa Alptekin Engin</p>	
19:30 – 21:30	<p>A Historiography Study: Sudanese Historians During and After the Anglo-Egyptian <i><u>Maab Ahmed</u>*</i></p>
	<p>The Impact of Digitalization on Business Management: A Case Study of SMEs in Tirana, Albania <i><u>Anxhela Bakiasi</u>*</i>, <i>Mariglend Pepmarku</i></p>
	<p>Maternal Perceptions of Psychosocial Support and Family Well-Being: Exploring Connections <i><u>Nino Kitoshvili</u>*</i></p>
	<p>Communication in Fashion Media – Analysis and Comparison <i>Martina Hendija</i>, <i><u>Ivana Salopek Čubrić</u>*</i></p>

	Exploring the Relationship Between Organizational Justice and Job Satisfaction: The Case of the Banking Sector in Albania <i>Petrit Dollani*</i> , <i>Arjola Hoti</i>
	The Administration’s Liability for Errors Committed by Artificial Intelligence <i>Ahmed Merah*</i>
	The Use of Artificial Intelligence in Teaching German as a Foreign Language: Potentials, Challenges, and Perspectives <i>Marisa Janku</i> , <i>Daniel Leka*</i>
	Exploring Style: An in-Depth Analysis of Robert Frost’s Poem “The Road Not Taken” <i>Fakiha Arain*</i>
	Doing Applied Linguistics (2011) by Nicholas Groom and Jeannette Littlemore: A Critical Review <i>Om Kumar*</i> , <i>Shan E. Zehra</i>
	First-Principles Investigation on the Structural, Optoelectronic, and Photovoltaic Properties of Perovskite Oxide <i>Rekia Larbi*</i> , <i>Sahnoun Omar</i> , <i>Sahnoun Mohamed</i>

Sunday, December 15, 2024

Online Sessions

Virtual Hall 1

Online Session – 23 (in English) Head of Session: Asst. Prof. Dr. Latif Akcay	
09:00 – 10:30	Enhancing Self-Cleaning and Optical Properties in Erbium/Neodymium Co-Doped Lithium Niobate Tellurite Glass with Silver Nanoparticles for Laser Host Application <i>Nurhafizah Hasim*</i>
	A Singular Fractional Elliptic Problem with an Absorption Term <i>Hanaa Achour*</i> , <i>Sabri Bensid</i>
	Munckenhoupt Weights and Homogeneous Besov Spaces Associated with Non-Negative Self-Adjoint Operators <i>Romaissa Chichoune*</i>
	Water Balloon Parachute: Synergy Between Generative AI, Design Thinking Process, and Project Based Learning in Physics and Mathematics <i>Siti Salwa Alias*</i> , <i>Raihanah Maisarah Roslan</i> , <i>Nuramilin Aishah Mohd Roslan</i> , <i>Muhammad Shafiq Izuddin Sazali</i> , <i>Arif Aiman Mohd Zulkarnain</i> , <i>Nor Ezzaty Ahmad</i> , <i>Nor Ain Husein</i>
	Decay Rate of Timoshenko System with Only Microtemperature Effects and No

	<p>Thermal Diffusivity <i>Brahim Kilani*</i>, <i>Marwa Boudeliou</i></p>
	<p>DFT Computations of Schiff Base Ligand and Its Ni(II) and Cu(II) Complexes <i>Zakia Messasma*</i></p>
	<p>Optical Parameter of New Glasses Base Antimony Oxide <i>Hanane Bouden*</i></p>
	<p>Plasmonic Optimization of Laser-Ablated Gold Nanoparticles for Ethylene Glycol Detection <i>Ana Mardiana, Nandang Mufti, Nurul Hidayat*</i></p>
10:30 – 10:45	Break
<p>Online Session – 24 (in English) Head of Session: Asst. Prof. Dr. Latif Akcay</p>	
10:45 – 12:15	<p>Removal Pharmaceutical Wastewater Using Green Hydrothermal Synthesised Nanostructured Zinc Oxide Photocatalyst <i>Nur Aqilah Kamaludin, Nur Nabila Abd Aziz, Siti Salwa Alias*, Juan Matmin, Nik Ahmad Nizam Nik Malek</i></p>
	<p>Defining Priorities of the Polar Research Institute Using ANP Decision Support Tool <i>Ozgun Oktar*, Burcu Ozsoy</i></p>
	<p>Effect of (Al, Ag, and F) Dopants on Morphological and Electrical Properties of ZnO Thin Films <i>Djedjiga Haouanoh*, Mahdia Toubane, Razika Tala Ighil</i></p>
	<p>Electrical Conductivity Characterization of Bi₄V₂O₁₁ Doped with Sulfur Prepared by Hydrothermal Process <i>Abdelmajid Agnaou*, Wafaa Mhaira, Rachida Essalim, Fabrice Mauvy, Mustapha Zaghrioui, Tatiana Chartier, Maati Alga, Mohamed Zamama, Abdelaziz Ammar</i></p>
	<p>High-Sensitivity Surface Plasmon Resonance Based Sensor for HIV Detection <i>Mohamed Esseddik Ouardi*, Kada Abdelhafid Meradi, Fatima Tayeboun</i></p>
	<p>Total Polyphenol Content and Antioxidant Activity of Date Palm Seeds in Adrar Region of Algeria <i>Omar Fandougouma*, Khadidja Djaafri, Halima Kina</i></p>
	<p>Exploring Piperazine Derivatives: Novel Insights and Therapeutic Prospects in Cancer Research <i>Ikram Bouziane*, Yousra Mdarhri, Fatima Zohra Lenda, Mohamed Chabbi</i></p>
	<p>A Novel Corrosion Inhibitor for Carbon Steel Revealed by Gravimetric Analysis <i>Benhadria Naceur*, Tarik Attar, Abbes Benchadli, Esmâ Choukchou-Brahama</i></p>
12:15 – 12:30	Break
<p>Online Session – 25 (in English)</p>	

Head of Session: Asst. Prof. Dr. Latif Akcay	
12:30 – 14:00	Jet-Vortex Above-Bit Arrangement for Drilling Production Wells <i>Denys Panevnyk*</i>
	Clay-Hydrochar Composites: A Sustainable Material for Solar Photocatalysis of Methylene Blue <i>Jalila Hanyny*, Zaina Izghri, Abdelrani Yaacoubi, Layla El Gaini, Abdelaziz Bacaoui</i>
	Design and Characterization of Topical Nanosystems for Photodynamic Therapy <i>Daniela Maza Vega*, R. Daniel Cacciari, Cristian Lillo, Silvia Del Valle Alonso, María Jimena Prieto, Fernando Alvira, Paula Caregnato, Mónica C. Gonzalez, Jorge Montanari</i>
	Elaboration and Characterization of PVA-g-PAA Graft Copolymers and PVA-g-PAA/Fe ₂ O ₃ : CuO Composites <i>Radja Megherbi*, Hadjer Addou, Halima Benallou, Amina Arbaoui, Mohamed Karmaoui</i>
	Luminescence Enhancement in Eu ³⁺ , Sm ³⁺ Co-Doped Li ₂ B ₄ O ₇ Phosphor <i>Rekia Belhoucif*, Abdelkader Lalmi Benmaiza, Lyes Benharrat</i>
	Characterization of Pristine Bismuth Manganite Thin Films Deposited on Glass Substrates by Sol Gel Technique <i>Ouiza Allouane*, Mahdia Toubane, Ryma Ben-Mammar, Katia Ayouz, Redouane Douali, Nadir Beldjoudi</i>
	Green Synthesis of Tin Oxide (SnO ₂) Nanoparticles from Ficus Carica Leaf Extract for Murexide Degradation <i>Toubal Badreddine*</i>
	Green Synthesis of Zinc Oxide Nanoparticles: An Eco-Friendly Approach <i>Asma Bessaad*, Bedreddine Toubal, Mahdia Toubane, Kaouther El Kourd</i>
14:00 – 14:15	Break
Online Session – 26 (in English) Head of Session: Asst. Prof. Dr. Latif Akcay	
14:15 – 15:45	Impact of Different Immobilization Techniques on Probiotic Viability <i>Tanja Krunic*</i>
	Supported Nickel Catalyst: Exploring Advanced Hybrid Material with Synergistic Properties <i>Wahiba Amrane*, Mohamed Karmaoui</i>
	Phenolic Compounds in Solanum Tuberosum Peel and Their Antioxidant Activities and FTIR Spectroscopy <i>Tassadit Sahki*, Fatiha Brahmi, Fatima Djenad, Yasmine Achat, Lila Makhlouf-Boulekbache, Khodir Madani</i>

	<p>Investigation of Structural and Optical Characteristics of Fe-Doped ZnO Nanoparticles Co-Precipitation Method <i>Roguai Sabrina*</i></p>
	<p>Spray Deposition and Characterization of Cerium Oxide Thin Films as Optically Passive Counter Electrodes for Electrochromic Devices <i>Abdellatif El-Habib*</i>, <i>Samir Haloui</i>, <i>Abdessamad Aouni</i>, <i>Mustapha Diani</i>, <i>Mohammed Addou</i></p>
	<p>Green Synthesis of Magnesium Oxide Nanoparticles: The Influence of Lanthanum and Eucalyptus Extract <i>Fares Chabira*</i>, <i>Toubane Mahdia</i>, <i>Tala-Ighil Razika</i>, <i>Ismail Pir</i>, <i>Mohamed Bououdina</i></p>
	<p>Output Voltage Regulation of an LLC Resonant Inverter Based on Control <i>Chaimaa Youcef Achira*</i>, <i>M'hamed Helaimi</i></p>
	<p>Performance Comparison of RISC-V and TTA Processors for Ascon <i>Latif Akcay*</i>, <i>Mustafa Alptekin Engin</i></p>
15:45 – 16:00	Break
<p>Online Session – 27 (in English) Head of Session: Dr. Nurhafizah Hasim</p>	
16:00 – 17:30	<p>Heat Transfer Analysis of Rotating Casson Blood-based Carbon Nanofluid in Channel <i>Wan Nura'in Nabilah Noranuar</i>, <i>Ahmad Qushairi Mohamad*</i>, <i>Lim Yeou Jiann</i>, <i>Sharidan Shafie</i></p>
	<p>Analysing Transmission Dynamics of Chagas Disease with Diapause and Developmental Delays <i>Manel Sbia*</i>, <i>Tewfik Mahdjoub</i></p>
	<p>Superhydrophobic Coating Based on Nanostructured ZnO Thin Films <i>Zehira Belamri*</i></p>
	<p>Multiscale Modeling of Structural Stability and Mechanical Properties of TeAuF₄ (Te = Na, K, Rb) Materials <i>Ishak Mebarkia*</i></p>
	<p>Nanoemulsions: Formulation Strategies and Characterization Techniques <i>Yusra Mdarhri*</i>, <i>Ikram Bouziane</i>, <i>Mohamed Chabbi</i></p>
	<p>Thermal Analysis of Low-Density Polyethylene Composites Reinforced with Copper and Zinc <i>Mohamed Belhamiani*</i>, <i>Jihad Guendouz</i>, <i>Wahid Oudad</i></p>
	<p>Thermal Stress Effects on Structures Repaired with Composite Patches: A Numerical Analysis <i>Laid Aminallah*</i>, <i>Ali Merdji</i>, <i>El Bahri Ould Chikh</i>, <i>Ismail Draï</i></p>

	Advancing Clinical Diagnosis Through High-Resolution Ophthalmic Imaging with Deep Learning Innovations <i>Rania Saoudi*</i>
17:30 – 17:45	Break
Online Session – 28 (in English) Head of Session: Asst. Prof. Dr. Sebahat Oztekin	
17:45 – 19:45	Combustion Efficiency and Environmental Characteristics of Olive Pomace Fuel Systems <i>Zaina Izghri*, Imad Rabichi, Jalila Hanyny, Abdelaziz Ounas, Fatima Ezzahra Yaacoubi, Chaima Sekkouri, Karima Ennaciri, Abdelaziz Bacaoui, Abdelrani Yaacoubi</i>
	Preliminary Observations on the Habitat of Two Mediterranean Endemic Birds in Algeria <i>Amira Bouderbala*, Mohcen Mena, Salah Telailia, Lamia Boutabia</i>
	Insecticidal Potential of Basil Essential Oil (<i>Ocimum Basilicum</i> L.) <i>Nacira Amara*, Sabrina Amara, Souad Touati, Hadjer Guettaf, Ichrak Rahali</i>
	Exploring the Relationship Between Polyphenol Content and Antioxidant Activity in Mustard Seed and Its By-Products: An in Vitro Study <i>Siham Beddar*, Hafid Boudries, Meriem Amrane-Abider, Yasmine Achat, Fatima Djenad, Sabrina Idir</i>
	Curcumin-Based Nanocomposite for the Bioactive Coloration of Cotton <i>Hassam Mehmood, Arruje Hameed, Tahir Farooq*</i>
	Urban Sustainability Through Vertical Farming: A Review of Techniques and Benefits <i>Zeenat Khan*, Daud Khan</i>
	Scale Insects in Orange Orchards of Guelma Province, Algeria: Diversity, Abundance, and Climatic Influences <i>Omar Khaladi*, Amira Bouderbala</i>
	Green Synthesis of Silver Nanoparticles Mediated by Essential Oil: Characterization and Antifungal Activity Against Plant Pathogens <i>Laila Reklaoui*, Abdellatif El-Habib, Samir Haloui, Zine El Abidine Bzazou Elouazzani, Abderazzak Rfaki, Hassan Ghazal, Haiat Essalmani, Said Barrijal</i>
	Validation of Pandanus <i>Amaryllifolius</i> Phytochemicals Compound as Reducing Agent in Green Synthesis of Ag-Doped ZnO by Computational Method <i>Siti Rashidah Abdol Razid, Siti Salwa Alias*, Juan Matmin, Fazira Ilyana Abdul Razak</i>
Production of Vegan and Reduced-Calorie Mayonnaise Using Aquafaba and Pectin Derived from Fruit Waste <i>Sebahat Oztekin*</i>	

* : Corresponding Author

_ : Presenter

Summary of Sessions

Friday, December 13, 2024		
<i>Conference Hall</i>	<i>Virtual Hall 1</i>	<i>Virtual Hall 2</i>
Opening Session	Online Session – 1	Online Session – 5
Onsite Session – 1	Online Session – 2	Online Session – 6
	Online Session – 3	Online Session – 7
	Online Session – 4	Online Session – 8
Saturday, December 14, 2024		
<i>Virtual Hall 1</i>	<i>Virtual Hall 2</i>	
Online Session – 9	Online Session – 16	
Online Session – 10	Online Session – 17	
Online Session – 11	Online Session – 18	
Online Session – 12	Online Session – 19	
Online Session – 13	Online Session – 20	
Online Session – 14	Online Session – 21	
Online Session – 15	Online Session – 22	
Sunday, December 15, 2024		
<i>Virtual Hall 1</i>		
Online Session – 23		
Online Session – 24		
Online Session – 25		
Online Session – 26		
Online Session – 27		
Online Session – 28		