

SCIENTIFIC PROGRAMME FOR ICCESEN-2024

26 October 2024-Saturday

ROOM-1

10.00-11.00	Opening : Prof. Dr. Iskender AKKURT (Chair of ICCESEN-2023)—Suleyman Demirel University, Isparta / TURKEY
	Session Chair : Dr. Feride KULALI-- Uskudar University, Istanbul / TURKEY
	Invited Speaker 1: Dr. Hayat ARBOUZ —University Saad Dahlab Blida1, Algeria “Investigation of the potential of the double perovskite materials Cs ₂ BX ₆ and Cs ₂ BB'X ₆ as absorbers in single and tandem solar cells for high-efficiency photovoltaic conversion”
	Invited Speaker 2: Prof.Dr. Madjid FATHI – Dept. of EECS University of Siegen, GERMANY “Artificial Intelligent as a Concept or as a System: utilizing and conceptualizing AI in Industrial and health care”
11.00-11.30	Group Photo- BREAK

	ROOM-1		
11.30-12.30	Session Chair : Dr. Feride KULALI-- Uskudar University, Istanbul / TURKEY		
	2	Nazmi HASI , Latif HASI	Seismicity of Kosovo
	6	Latif HASI, Rilinda RAÇI, Nazmi HASI	Using Modeling Software as an Alternative to Experiment: The Magnetic Field of a Helmholtz Coil
	14	Mouhoubi-Tafinine, ZINA	Quality evaluation of some Algerian honeys
	20	Mohammad Ali KHASAWNEH, Taisir Salim KHEDAYWI ZUBI, Noor Abdelkareem ABUSAFI	Unlocking Potential: A Sensitivity Analysis of Commercial Design Tools for Flexible and Rigid Pavements – StreetPave and PaveXpress
12.30-14.00	LUNCH---BREAK		
14.00-16.00	21	Mostafa Ayoubi Mobarhan, Orhan Gemikonakli, Praise Massa, Atefeh Ahmadniai Khajekini, Rebecca Mbi, Hamza Musa	AN EVALUATION OF SECURITY ISSUES IN 5G NETWORKS: A PRACTICAL SURVEY
	32	Khaled BOUMCHEDDA , Salim BRAHIMI, Rabah DJAFAR, Kamel SEDDA, Mohamed BOUOUDINA, Pavol HVIZDOS, Mahmut ALTINER	Synergistic Impact of Temperature and Acid Leaching on the Stability of Nanotube-shaped Halloysite Extracted from Kaolin Ore
	35	Atefeh Ahmadniai Khajekini, Orhan Gemikonakli, Mostafa Ayoubi Mobarhan , Abdalrahman Bashir, Nael Alyousefi, Souhaïla El Merabet	A Performance Evaluation of Group-based AKA Protocols for M2M systems using Symmetric and Asymmetric Algorithms
	57	Yazid BENSID, Mohamed HELAL, Abdelkader LAKMECHE	Prey-predator model with generalist predator and a safe area for prey population
	77	Sara Chérifa Bennedjai, Hasseni Hamza, Hassini bilel	STUDY OF PHYSICO-CHEMICAL PROPERTIES OF I-C ₄ H AND c-C ₄ H IN INTERSTELLAR ENVIRONMENT
	104	Hayat Arbouz	Modelling and Optimization of a Solar Cell based on the Vacancy-Ordered Double Perovskite Cs ₂ TeI ₆
	119	Coubaila BOUBECHOU, Ali BOUCHOUCHE, Hmid ZAÏDÏ	Tribothermal modeling of dynamic dry copper-steel and brass-steel contacts
	127	Nabi IBADOV, Irene LADNYKH	Ensuring the Reliability of Construction Project Implementation in the Field of Ecological Construction

	129	AMIR GUESSOUM	Generation of simultaneous attractive optical trajectories using two orthogonal ultrasonic waves
	138	Ghania MOHAND KACI, Achour MAHRANE, Khaled TIFOURA	Energy Performance Evaluation of a near-Zero Energy Solar House Demonstrator: A case study in northwest Algeria
16.00-16.15	BREAK		
16.15-18.00	140	Arhum HASSAN, Farid ABED	The effect of Dynamic Strain Aging on the bcc metals process during thermomechanical deformation using Finite Elemental Analysis
	143	Faruk HAJRIZI, Izet IBRAHIMI	NEW APPROACHES OF LIGINE GASIFICATION AND ELECTRICITY PRODUCTION OPPORTUNITY FOR SUSTAINABLE ECONOMIC DEVELOPMENT AND ENERGY TRANSITION IN KOSOVO
	146	Burim KAMISHI	On a Special Type of Integrals Involving Fresnel Integrals in Diffraction Problems
	151	BACHARI NOUR EL ISLAM, NACEF LAMRI2,HOUMA FOUZIA	Development of a multi-criteria model to locate desalination sites along the Algerian coast
	154	Atika HADDADOU, Feriel HANNACHI	Conception of a biomaterial using cork and wood
	156	Farida KESSAL	Stability Analysis of a Multi-input Multi-Output Cardiovascular system
	196	Prof. Dr. Sabri AVDULLAHİ, Prof dr Naser PECI	HYDROGEOLOGICAL ASSESSMENT FOR THE CONSTRUCTION OF SOLID WASTE LANDFILL IN NORTH KOSOVO
	198	Afrim OSMANI, Nurten DEVA ,Muharrem ZABELI, Bastri Zeka	Thermodynamic calculation of Nickel alloy Phases using thermo calc software
	200	Bastri ZEKA, Muharrem ZABELI, Nurten DEVA, Afrim OSMANI	Prediction of AlSi7MgLi Phases with Calphad methodoly
	201	Mouhoub BIRANE, Abdelkader FIRAH, Aicha DEGLA, Slimane SAYAH, Khalil BENMOUÏZA, Sabiha anas BOUSSAA	Power Management Control Strategy and Optimal Configuration Based on Artificial Neural Networks for Standalone PV Applications
202	Laarej MERAD, Mama BOUCHAOUR, Abdelkrim DJEZZAR and Abderrachid FADLI	Comparative study of an installation photovoltaic isolated and connected to network for electricity production	
208	Mohsen MHADHBI, Lamia KHEDHIRI, Baris AVAR	Synthesis of two-dimensional Ti3AlC2 nano-ceramic by mechancial alloying	

ROOM-2			
Session Chair : Dr. Berra Seda SARIHAN – Okan University-Istanbul-Turkey			
11.30-12.30	209	Lamine AOUDJIT, Sarah Mahidine, Sadek IGOU	Efficient of a solar still for industrial wastewater treatment for reuse in industry and agriculture
	210	Muharrem Zabeli, Afrim Osmani	THE APPLICATION OF ANALYTICAL METHODS FOR DETERMINING THE RATIONAL COMPOSITION OF LEAD AND ZINC CONCENTRATE
	217	Nurten Deva, Muharrem ZABELI, Name ZEKA	COPPER CATHODE GAINED DURING THE ELECTROLISES PROCESS OF THE SECONDARY COPPER
	220	Cezary KRASKIEWICZ, Artur ZBICIAK, Przemysław MOSSAKOWSKI, Kacper WASILEWSKI	Experimental vibroacoustic tests of tramways using innovative and sustainable materials
	221	M-Ali H. Al-Akhras, M. Masadeh, Aljarrah, K, Alshorman, M	Assessing and improving the killing of bacterial strains through Rose Bengal photoinactivation
	233	Yllka KABASHI, Mimoza RISTOVA, Yiota FOKA	Educational Utilization of matRAD, an Open-Source Software, for Teaching Photon and Proton Treatment Planning in Kosovo

12.30-14.00	LUNCH--BREAK		
14.00-16.00	234	Sabiha ANAS BOUSSAA,Messaouda AYACHI, Abdallah TRAD KHODJA, Fatima BOUDEFFAR, Abderrahmane NAAS, Samy ANAS, Rabia RAHMOUNE, Bilal MERAZKA, Naima ZAOURAR BOUTAREK	Recovery of Materials from End-of-Life Silicon Photovoltaic Panel Recycling: SIREVIVAL PROJECT
	242	Sarra Alioui, Abdelaziz Himour, Moussa Zahzouh, Alex Montagne	Wear and Corrosion behavior of Ni-based alloy coating deposited on steel substrate by thermal flame spraying
	263	Youcef BELLAL, Antar BOUHANK, Linda TOUKAL, Gökmen SİĞIRCIK and Tunc TUKEN	Electrochemical Study of Schiff Base and Welding Parameters With Respect to Corrosion of Metal Parts Manufactured by WAAM-CMT in H2SO4 0.5 M
	275	Qazim Tmava, Nurten DevaĀ, Faruk Ahmeti	ECONOMIC DEVELOPMENT BASED ON ITS NATURAL RESOURCES POTENTIAL , SUPPORT TO DECREASE THE UNEMPLOYMENT OF KOSOVO
	276	Afrim Osman, Muharrem Zabel, Batri Zeka	The distribution of bismuth in the process of reductive smelting of lead agglomerate, lead refining as well as the exploitation of bismuth from this process.
	301	Wang CHEN, Jun LI, Hongwei YANG , Geng ZHANG, Biao WANG	A Variable density dynamic killing method and simulation system for ultra-deep wells in fractured formations
	312	Jana Lipkovski, Miroslav Marić, Jasmina Marković-Lipkovski, Manuela Muzika, Aleksandar Lipkovski	The importance of M in STEM
	342	Chelli ZOUBIR, Tarek KHOUALDIA	Electric Current Analysis For Diagnose Bearing Issues In Induction Motors
	346	Khoualdia Tarek, Chelli Zoubi, Guerti Nasreddin, Lakikza Abdelmalek	Diagnosis of centrifugal pump cavitation through pressure measurements and vibration analysis
	375	Dina ORALBEKOVA, Orken MAMYRBAYEV, Ainur AKHMEDIYAROVA, Zhibek ALIBIYEVA	Comparative Study of BERT, GPT, and LSTM Models for Multiclass Classification in the Legal Domain Using Kazakh NER Dataset
16.00-16.15	BREAK		
16.15-18.00	381	Bashkim DALIPI, Ramize OMERI, Qemajl BESHTICA, Naim SYLA	Formative and summative assessment in the field of natural sciences through the evaluation instrument "Colors of Lego"
	383	Razika Ibagherache, Zakaria Seoudi, Azouaou Ahmed, Anou Abdelkrim	Medical Treatment of Acute Appendicitis: An Alternative to surgery? Prospective study.
	389	Goudjil Kamel, Boukhatem Ghania	Interpretation and prediction of geotechnical soil parameters using ensemble machine learning
	422	HASSANI Yousra, CHOUCHAOUIAasma, KHELIFA Nedjma	Extraction and characterization of two biomolecules from ulva fasciata

27 October 2024-Sunday

ROOM-1

	Session Chair : Dr. Feride KULALI-- Uskudar University, Istanbul / TURKEY
10.00-11.00	<p>Invited Speaker 4: Prof.Dr. Amir HUSSEIN–Edinburgh Napier University, UK “Trustworthy AI-enabled Sustainable Technologies”</p> <p>Invited Speaker 5: Prof.Dr. Gerhard-Wilhelm WEBER–Poznan University of Technology-POLAND “Regime-switching models via stochastic optimal control & robust control theory, with applications in finance and insurance”</p>
11.00-11.30	BREAK

	ROOM-1		
	Session Chair : Dr. Feride KULALI-- Uskudar University, Istanbul / TURKEY		
11.30-12.30	120	Gizem ATAR, Fatemeh SARASİR, Vilda PURUTÇUOĞLU	Parametric Inference of Circular-Circular Graphical Model in Biological Networks
	121	Fatemeh SARASİR, Vilda PURUTÇUOĞLU	Data Imputation for EMG Data With Periodic Behavior
	152	Erman ÖZER,Hasan AYDOS	Performance and Security of AES, DES, and RSA in Hybrid Systems: An Empirical Analysis of Triple Encryption
	153	Erman ÖZER, Nurullah Sevinçkan, Erdem Demiroğlu,Hasan AYDOS	Enhancing Trading Strategies: Mandani Fuzzy Logic Forecasting for Borsa Istanbul Stocks Using Important Indicators
12.30-14.00	LUNCH---BREAK		
14.00-16.00	178	Kadir Kaan EROĞLU, Enes Berk KARABULUT, Okan GÜL	Truck Chassis and Tow Hook Mechanical Design and Stress Analysis
	182	Nur Şahver Uslu, Ali Hakan Büyüklü	Challenges in Achieving Profitability for MRO Companies in the Aviation Industry: An Analytical Approach
	183	Saman KHATAEI, Gökmen Tuna BEÇERİK	A Comparison of Two BIM Collaboration Practices During the Design Phase of Construction Projects Using a Hybrid Simulation Technique
	273	Burak DÜRMÜŞ, Tolga KARTAL, Serhat ÇİNDEMİR	Comparison of the Performance of SSD MobileNet and Contour Algorithms for Presence-Absence Detection Using Pi Camera 2 and USB Camera on Raspberry Pi, and Examination of the Impact of Hardware and Algorithm Selection on Object Recognition Applications
	277	Arslan SAY	ALZHEIMER AND NEW DRUGS
	278	Arslan SAY	A review on Glucagon-Like Peptide-1 Receptor Agonists: a miracle drug for obesity?
	293	Yekta AYDIN, Fatih ATALAR, Aysel ERSOY	Comparative Tracking Index of Reinforced Silicone Insulators under Different Pollutant Liquid Exposure Time
	297	Alper AYDOĞAN, Fatih ATALAR, Aysel ERSOY	Advanced Decomposition of Leakage Current Signal of Mineral Oil under Non-Uniform Electric Field
	302	Hasan Erdiñç KOÇER, Abdulhamit SEVGİ	Detecting the Casting-Related Errors by Using Image Processing and Convolutional Neural Networks
16.00-16.15	BREAK		
	303	Hasan Erdiñç KOÇER, Mohammed QAIMAZ ALI ALI	Segmentation of Tongue in Mouth Images with Segment Anything Model for Computer-Aided Diagnosis
	311	Gül SİĞİNDİ, Ali KILIÇ, Saadettin KAPUCU	Feature Extraction of Sheet Metal Parts using Semantic Segmentation

16.15-18.00	313	Erdener OZCETIN	A Set Optimization Perspective on Conic-Scalarization
	329	Sadık OLGUNER, Devrim KÜÇÜKARSLAN	Comparative Cutting Performance Evaluation of Laser Beam and Plasma Arc on Stainless Steel Plates
	352	Onur ÖZÖNEL, Ali Tolga BOZDANA	A Case Study on the Effectiveness of Data Augmentation Strategy in Development of Models using Deep Learning
	355	Alperen TOZLU, Emrah ÖZAHİ	Optimizing Waste Heat Recovery with a Triple Combined Power Cycle
	408	Şemsettin KILINÇARSLAN, Yasemin ŞİMŞEK TÜRKER, Nuri İŞILDAR	Determination of Properties of Concretes with Sorel Cement
	409	Şemsettin KILINÇARSLAN, Yasemin ŞİMŞEK TÜRKER	Determination of the Effect of Regional Change on Mechanical Properties of Standing Trees by Fractometer

ROOM-2			
Session Chair : Dr. Berra Seda SARIHAN – Okan University-İstanbul-Turkey			
11.30-12.30	415	Hüsamettin ÜRÜNVEREN, Ahmet BEYÇIOĞLU	The Effect of Activator Preparation Time on the Mechanical Strength of Geopolymer Mortars
	425	Arif BABANLI, Behbud IBRAGIMOV	Effective g*-factor of electrons in semiconductor quantum dot with edge disclination and Rashba spin-orbit intera
	426	Mucize SARIHAN	MANAGERIAL CONCERNS IN RADIOPHARMACEUTICAL APPLICATIONS: OPERATIONAL CHALLENGES, REGULATIONS, AND SUSTAINABLE MANAGEMENT STRATEGIES
	427	Arif BABANLI, Behbud IBRAGIMOV, Mustafa BALCI, Vepa SABYROV	Average energy and magnetic susceptibility of DMS quantum dot
	428	Arif BABANLI, Behbud IBRAGIMOV	Heat capacity of electrons confined to a parabolic quantum well in two-dimensional space with conical disclination and Rashba spin-orbit interaction
12.30-14.00	LUNCH--BREAK		
14.00-16.00	433	Osman GÜNAY, İsmail Cantürk, Duygu TUNÇMAN, Fahrettin Fatih KESMEZACAR, Nami YEĞİN, Mustafa DEMİR	Evaluating Time-Dependent Radiation Exposure to Ovaries in Simulated Scopy Scenarios
	438	Arif ÜÇER, Gülistan ALBAYRAK, Mustafa ÇETİN	EFG PRIMER PANEL
	412	Nurdan KARPUZ	Nuclear Structure Modeling and Cross Section Relationship
	248	Halil SOYAL, Mucize SARIHAN	Evaluation of Radiation Protection and Application Knowledge of Health Services Vocational School Students Using Dosimeters
	249	Halil SOYAL, Tülay ORTABAĞ, Metin HASDE	Ionizing Radiation Safety Perception of Employees in Radiated Work Environments in Hospitals
	364	Berra Seda SARIHAN KARA, Mehmet Naim KARA	MATERIAL SELECTION AND ARCHITECTURAL SOLUTIONS FOR RADIATION AREAS IN HEALTHCARE BUILDINGS
	365	Berra Seda SARIHAN KARA	DESIGNS OF VISUAL COMMUNICATION IN THE ARCHITECTURE OF RADIATION AREAS
	373	Çağlar AKAR	The Role of Unpaid Domestic Work in Gender Inequality
379	Isilay BILGIC, Elif ALTURK	Designing Future-Proof Charging Stations: Integrating Solar and Fuel Cell Technologies for Electric Vehicles	

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Students Using Dosimeters

ng Stations: Integrating Solar and Fuel Cell
files

16.00-16.15	BREAK		
	395	Isilay BILGIC	Ports in the Age of Globalization and Technological Advancements: Challenges and Opportunities for Local Communities
16.15-18.00	398	Taner KARASOY	Ses Basınç Denklemlerinin Analizlerinden Ses Şiddeti Tayini ve Desibel Hesaplarında Farklı Matematiksel Yaklaşımlar
	406	Rafet ERTEKİN, Hakan RODOPLU, Serap GÜRSEL	The Use of Artificial Intelligence in Aviation: A Bibliometric Analysis
	416	Çağlar AKAR	The Role of Unpaid Domestic Work in Gender Inequality
	432	Aykut KARADEMİR, Mucize SARIHAN	EVALUATION OF ANXIETY LEVELS IN CANCER PATIENTS UNDERGOING LONİZİNG RADIATION THERAPY DUE TO SIDE EFFECTS

ONLINE			
Session Chair : Dr. Osman GUNAY —Yıldız Technical University, İstanbul / TURKEY			
11.30-12.30	53	Cherifa KARA MOSTEFA KHEIL, Kamel KARA, Badia AMROUCHE	Photovoltaic system diagnosis using K-Nearest neighbors algorithm
	114	Elmira DUMISHLLARI	Impact of Photovoltaic Systems in Garment Companies of Albania
	157	Kader SEVER	Innovative Solenoid-Based Lid Lock Mechanism for Industrial Washing Machines
	158	Kader SEVER	A Study to Examine the Effect of the Phosphate Coating Process on Paint Adhesion and Corrosion Resistance in Structural Steels and to Compare It with the Corrosion Resistance of Stainless Steel Materials
14.00-16.00	181	Muhammed YILMAZ, Metin YURDDAŞKAL, İbrahim ŞEN	Surface Coating of Glass Fibers with Graphene : Experimental Investigation
	246	Rukiye DEMİR, Berin Belma ŞİRVANLI	Calculation of Radiation Dose with FLUKA
	256	Eda Göz, Ümit Serdar Erol, Ali Karaduman	Effect of Different Metal-Loaded Catalysts on the Methylation of 2-Methyl Naphthalene and Modeling of 2,6-Dimethylnaphthalene Yield with Artificial Neural Networks
	260	Asil AYAZ, Gizem Dilara ÖZDEMİR, Utku Kürşat ERCAN, Kutlay SEVER	Preliminary Study on Adhesive Bonding of Flax Fiber Reinforced Polypropylene Composite Using Plasma Treatment
	261	Asil AYAZ, Metehan ATAGÜR, Kutlay SEVER	Effects of Carbon Black on the Properties of Epoxy/Inorganic Filler Composite
	266	Mazlum KAMBERI, Hajdar SADIKU	Nonlinear analysis of structures with special reference to nonlinear static pushover analysis
	267	Hajdar SADIKU, Mazlum KAMBERI	The use of stone to produce aggregate for stone mastic asphalt (SMA) - suitable material for the environment
	290	Ayşe Nihan BASMACI, Seckin FİLİZ	Electromagnetic Wave Propagation in Photonic Nanoplates
	306	Salim KILIÇ, Ertuğrul ADIGÜZEL, Erkan ATMACA	Combining Spiking Neural Networks with YOLOv7 for binary classification on MRI brain images; the presence or absence of a brain tumor
	378	Şeydanur ŞEBİCİOĞLU MUTLU, Aytaç GÜVEN	Enhancing Streamflow Forecasting: Evaluating Missing Data Imputation and Comparison of CMIP6 Climate Model Input Variables With Streamflow Data Using CatBoost and SHAP Analysis

16.15-18.00	405	Ayse Nihan BASMACI, Seekin FİLİZ	Investigation of Electromagnetic Wave Propagation in Nanocones
	424	Nihat ÇANKAYA	Effect of Impact Guide Diameter on Signal in Piezo Electric Based Sensor
	430	Hatice Semrin TİMLİOĞLU İPER, İsmail BAL	EFFECTS OF DIFFERENT WAVELENGTH BLUE LIGHT FILTERS ON CONTRAST SENSITIVITY AND READING SPEED
	431	Valma PRIFTI, Irida MAKJA, Dea SINOIMERI	The impact of digitalization on the banking system

POSTERS

26 October 2024-Saturday

Session Chair : Dr. Nurdan KARPUZ – Amasya University -TURKIYE			
10.00-12.30	5	Maamar MALKI, Sid Ali BOUBENDİR, Salah LARBI, Rachid BENNACER, Chakib MEDDAH, Massine BELHADJ	Influence of Non-Newtonian fluid on hydrodynamic journal bearing
	8	Bahia BALI, Nabil MAMERI, Hakim LOUNICI	A comparative study between electrocoagulation and adsorption for Boron removal in seawater
	9	Bouhara Safia, Dalila Hammoutene	EFFECT OF DIAMETER ON GLYPHOSATE ADSORPTION ONTO BNNTs
	22	Tounsia AKSIL, Moussa ABBAS, Mohamed TRARI	Tableting and Dissolution Characteristics of freeze-dried wild blackberry (Rubus fruticosus L.)
	23	Trachi MAHMOUD, Abbas MOUSSA , Trari MOHAMED	Adsorption of Toxic dyes by Untreated Walnut Shells (UWS) - Kinetics, Isotherms Modeling and Thermodynamic study.
	30	Farid TAFININE	Improved detection and classification of faults in induction machines using wavelet packets and Artificial Intelligence techniques
	31	Youcef ATMANI, Ammar MESLOUB, Housseem HABBOUCHE, Larbi HEMMOUCHE, Said RECHAK	Vibration signal-based fault identification for rolling bearing elements using Gaussian Mixture Models
	33	Lazhar BAROURA, Abdelyamine BOUKHOBZA , Lahcen MEBARKI , Amira ABOUSSALIH	Effect of chrome plating on mechanical properties
	40	Baouche Fatima Zohra , OUDJEHANI Nihade , Hamzaoui Ihsane , BAHAR Narimane	Valorization of Wastewater Sludge to produce the clean energy
	48	Rachid DJEBIEN, Chemseddine CHERGUI, Okba BENCHABAANE	Effect of strapping straps waste as fine and coarse Aggregates on Properties of Self Compacting concrete ‘Comparative Study’
	54	Farid BOUCHAFAA, Ihsen HAMZA OUI, Fatima Zohra Baouche	Control of Wind Turbine water Pumping With Flywheel Energy Storage System
	60	N.SAIDJI, H. BOUKERCHE, H. MOKRANE	CO-PIGMENTATION OF ANTHOCYANINS EXTRACTED FROM ROSELLE (HIBISCUS SABDARIFFA L.) WITH ORGANIC ACIDS.
	61	Salima CHERGUI, Farid HALET, Abderrahmane BOU TRIF, Abdelmalek CHERGUI, Boubekeur NADJEMI, Ahmed Reda YEDDOU, Aissa OULDRIS	Preparation of Copper Impregnated Activated Alumina and its Use as Catalyst for Methylene Blue Oxidation in Aqueous Media

	62	Ahmed Reda YEDDOU, Salima CHERGUI, Farid HALET, Abderrahmane BOUTRIF, Abdelmalek CHERGUI, Boubekour NADJEMI, Aissa OULD-DRIS	Cyanide Removal from Aqueous Solution by Advanced Oxidation process in presence of Ni-Alumina catalyst
	65	Embarka BOUTALBI, Leila AIT- GOUGAM - TRIBECHÉ, Omar BOUZIT and Fawzia MEKIDECHE-CHAFA	Weak ion-acoustic double layers in a plasma in the context of the nonextensive statistics
	74	Karima MEZOUAR, Amal Ait El Djoudi	Investigation of the Effects of SU(3) Color Representations on the Deconfinement Phase Transition from a Hadronic Gas to a Quark Gluon Plasma
	76	Samia DERBİL, Naima Khemici-Doulache, Mohammed Wafik Khemici	Study of polymer depolarisation by thermally stimulated currents
	78	Habiba BOUKERCHE, Nawel SAIDJI, Hind MOKRANE	Extracting natural colorants from roselle using advanced techniques
	81	Fatima Zohra MEZAHİ, Oualid ZOUAOUI	Effect of Na ₂ O on the synthesis of quaternary glass 52S4 by sol-gel route
	82	Farida KEBAILI, Abdesselam HOCINI, Ahlem HARHOUZ	Designing a high-Sensitive RI Photonic Crystal Sensor
	85	Karima BOUDHAR, Mahdi DEBIECHE, Abdelhamid ZEGHDAOUI	Experimental Raman study and DFT calculation of 3(4F-phenyl)-2-phenyl-4-cyano isoxazolidine
	86	BOUSSAID Linda, BENSIRADJ Nour El, ZOUAGHI Nafila	APPLICATION OF FLORY PATTERSON THEORY ON THE VOLUMETRIC PROPERTIES OF LIQUID MIXTURES 1,2-DICHLOROETHANE WITH TETRAHYDROPYRANE AND 1,3-DIOXOLANE
	95	Leila CHABANE, Omar BOURAS	Preparation of new hybrid sorbent membranes (PVC/Organo-Al-Montmorillonite and PVA/Organo-Al-Montmorillonite) and their application in the removal of methyl violet
	98	Zahra. MALOU. HAMIDOUCHE	Mechanical characterization of a sandblasted glass treated Thermo-Chemically and subjected to a thermal shock
	99	Mohamed Mustapha BENGHALEM, Toufik MAHDAOUI, Nafissa KHENNAFI-BENGHALEM	Effect of normal forces and cycle number on tribological properties by scratch testing of Composite (TiO ₂ +Al ₂ O ₃) coating on aluminum AU4G substrate
	103	Abdelmalek CHERGUI, Abderrahmane Boutrif, Salima CHERGUI, Farid HALET, Boubekour NADJEMI, Ahmed Reda YEDDOU, Aissa OULD-DRIS	Valorization of sorghum stalks for the removal of cyanide by biosorption in aqueous media
	113	Hassiba LARIBI -HABCHI, Zoheir AMROUCHE, Naziha MELLAS, Roufaida ECHIKR	Design of a sustained release dressing from a biopolymer as an active ingredient for the treatment of chronic wound
	125	Dris BENDJABALLAH, Adel MILES, Ali BOUCHOUCHA	Modeling and numerical simulation of car frontal crash test using Finite element method
	131	MAGRAOUI Rabah, OUALI Mohammed	Centrifugal fan study and design
	135	Radia Imane FERTOUT	Effect of strontium on the performance of Ni-supported catalysts in dry reforming of methane
	141	N. BOURAIOU EUCHI, A. BOUKRIDE	ELIMINATION OF AN EMERGING POLLUTANT BY LIQUID-LIQUID EXTRACTION AND APPLICATION OF THE EFFECT OF INORGANIC SALTS
	161	Lei Zhang, Haiyang Yu, Chengming Liu, Yongheng Wu, Tongbing Wang	Optimization of fracture spacing by carbonated water fracturing fluid in tight reservoirs
	165	Omar CHATERBACHE, Abdelhamid MILOUDI	Localisation of Vibration Sources in a Structure by Application of Time Reversal
	169	Imene Bennia, Samah Lounis	3D Heat Conduction modelling by Finite Volume Method: case of rectangular fins
12.30-14.00			BREAK
	171	Krimo AZOUAOUI, Youcef HADJ MIHOUB SIDI MOUSSA, Said MOUHOUBI	Behavior of Flax/Epoxy Laminates Under Compression After Impact (CAI) Testing Using a Custom Anti-Buckling Device
	172	Dr. Z. Chennouf-Abdellatif, Chouika Imene, Mesbah Samar, Pr.N. Bouchenafa-Saib	L'élimination d'un polluant organique le 2, 4,6-trichlorophénol par adsorption sur charbon actif (noyau de datte) : Etude comparative avec le charbon commercial

14.00-18.00	173	Oussama BENTRIDI, Naima BOUCHENAFSA-SAIB, Benamar CHEKNANE	Adsorption of Amoxicillin Using Sewage Sludge-Derived Activated Carbon: Kinetic and Isotherm Analysis
	174	Dawei Liu, Shiqing Cheng, Zexuan Xu, Han Wang, Xiuwei Liu	A Small Sample Productivity Prediction Method for Gas Wells in Multi layer Tight Sandstone Gas Reservoirs Based on Multi task Learning
	185	Brahim IDIR, Mustapha DJAMA, Djouher ADDADI, Dalila BOUGHRARA, Lynda BENHADDAD, Amel KOUACHE	Corrosion inhibition of cocamidopropyl betaine on aluminum 1050 anode for aluminum air battery with KOH electrolyte
	186	Mustapha DJAMA, Brahim IDIR, Lynda BENHADDAD, Nabil KHERROUBA, Walid BEDJAOUI, Taouas KACEL, Saida LEBOUKH, AOUI Djalila	Mechanical and electrochemical characterization of a cladding 316L/X60 assembly
	189	Hafida BOUCHELAGHEM, Abderrezak BEZAZI, Fabrizio SCARPA	Confinement and reinforcement of concrete columns using hybrid fiber glass composites
	193	Hamza BENNACEUR, Hacene AMEDDAH	A Research Work on Fatigue Analysis of Total Knee Prosthesis Made of Polyethylene Through Finite Elements Analysis
	211	Djamila ZIOUI, Hanane ABURIDEH, Lamine AOUDJIT and Mohamed ABBAS	Study of the Physicochemical Properties of TiO ₂ /poly (vinylidene fluoride – hexafluoropropylene) Nanocomposite Membrane
	212	Hacene AMEDDAH1, Hamza BENNACEUR	In Vivo Biomechanical Fatigue Characterization of Micro-Architecture Vertebra by Medical Imaging (μ CT)
	244	Dalila MEZIANE ASSAMI, Karim ASSAMI	Extraction of fennel seed essential oil, alternative natural active molecules for pharmaceutical use
	245	Karim ASSAMI, Asma OUBEKA	Ultrasonic assisted hydro-distillation of caraway seeds essential oil
	247	Abbaci WISSEM EDDINE, Boumaraf LATRA	Investigation of the performance of an ejector refrigeration system operating in critical mode
	250	Abdelkader DJELLOUL, Abdelghani BOUCHEHAM, Abbes MARREF, Boutaleb LABDELLI, Oussama DJEMA, Kheira BEKHEDDA, Lyes BENHARRAT, Fatma YAGOUNI, Aissa SAM, Dalila HOCINE, Hichem SAKER	Influence of pre-deposition temperature of PSG layers on the formation of n+/n junctions
	252	Boutaleb LABDELLI, Abdelghani BOUCHEHAM, Abdelkader DJELLOUL, Kheira BEKHEDDA, Oussama DJEMA, Lyes BENHARRAT, Abbes MARREF, Chahinez NASRAOUI	Effect of thermal oxide layers on front surface field characteristics for n-type silicon solar cells
	298	Sabrina NAAMA, Khaled DERKAOUI, Afaf BRIK, Sihem BOUANIK, Soumia BENREDOUANE, Souraya BOUACHMA, Seif-Eddine FRIHA, Toufik HADJERSI	High Degradation Efficiency of Rhodamine B using ZnCo ₂ O ₄ /SiNWs as Photocatalyst under Visible Light Irradiation
	315	Aboussalih Amira, Zarza Tahar, Fedaoui Kamel, Baroura Lazhar, Hammoudi Saleh	Analysis of the behavior of 304L STAINLESS STEEL under cyclic loading
	317	Dr. GUERFI Bahdja, KHADER.N, ZOUANI.A, NOUMA.I, HADJ MIHOUB SIDI MOUSSA.M, STASAIID.Z, HADJADJ AOUL.F	SURVEY ON THE USE OF DIETARY SUPPLEMENTS IN ALGERIA
	318	Dr. GUERFI Bahdja, TARFAOUI F.Z, KHADER.N, ZOUANI.A, HADJADJ AOUL.F.Z	DEVELOPMENT OF A METHOD FOR THE DETERMINATION OF 2-AMINOPYRIDINE DEGRADATION PRODUCT OF PIROXICAM IN PRIXAM® SOLUTION FOR INJECTION AT 20 mg/ml BY HPLC.
	331	Behar RACI, Snezana Stojkowska, Gezim HODOLLI, Violeta KLISAROVSKA, Arta KAMERI-JUSUFI, Labinot KASTRATI	NGAL and HPV Subtypes in Cervical Carcinoma: Implications for Cancer Progression and Treatment Response
	332	Behar RACI, Snezana Stojkowska, Gezim HODOLLI, Violeta KLISAROVSKA, Arta KAMERI-JUSUFI	Correlation of NGAL, Vitamin D, and HE4 Levels in Cervical and Endometrial Cancers: A Pre- and Post-Treatment Study
	338	Wenhong Zhang , Shouceng Tian, Tianyu WANG, Panpan Zhang	Experimental Study on Sand Production Mechanism under Cyclic Loading in Underground Gas Storage
341	Yuning YONG , Shouceng Tian, Tianyu WANG	Fracture Propagation of Radial Borehole Fracturing in Glutenite Reservoirs	
347	Bendeb Asma, Rayane Karim, Allaoui Omar	Hybrid Machine Learning and Inverse Problem Techniques for Enhanced Determination of Diffusion Coefficients in Complex Material Systems	

	357	Majdi Al-Mahasneh	Moisture Sorption Isotherms and Thermodynamic Properties of Bermuda Grass
	423	Mai A. Bani-Saied and Luay Zeatoun	MONITERING OF INDOOR AIR QUALITY AT HEALTH CARE FACILITY IN JORDAN
	434	Borhan ALBISS, Omar KHASSAWNEH	Modeling and Simulation of Carbon Nanotube-based Ion Sensitive Field Effect Transistor for pH Sensing

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	Session Chair : Dr. Nurdan KARPUZ – Amasya University -TURKIYE		
10.00-12.30	41	Baouche Fatima Zohra, Hamzaoui Ihssane, Ladmi Abdennour, Arbaoui Karim	Simulation of a servomotor used in the solar tracking system
	43	Said DEHIMI, Ahmed KELLAI, Liamine KABA, Sami KAHLA, Besma MEBARKI	Microstructural and mechanical characterization of aluminum alloy Al2017 laser weldment
	44	Ahmed KELLAI, Said DEHIMI, Liamine KABA, Sami KAHLA, Zoheir BOUTAGHOU	Effect of electrode coating on the microstructural and mechanical properties of S235JR steel weldment
	55	IHSEN Hamzaoui, Fatima Zohra Baouche, Farid BOUCHAFAA	Fuzzy Logic Application for Intelligent Control of Induction Machines Used in Flywheel Energy Storage Systems
	63	Astrit SHALA, Nazmi HASI	Geophysical investigations of the location in Gillogoc for the installation of solar panels
	80	Leila BOUTEMTAM, Mohamed Amine FERHAT	The effect of solubility on the extraction process using two methods ESSAM and HD.
	100	Nafissa KHENNAFI-BENGHALEM, Mohamed Mustapha BENGHALEM	Comparative study of the evolution of dimensional and volumetric losses of X12NiCrMoSi25-20 and 25CrMo4 steels under lubricated conditions
	137	Ihcen KHACHEBA, Housseyn CHAOUA, Fatiha SEGLAB, Khedidja Houda BENABED, Hadjer BOUSSOUSSA, Mohamed YOUSFI	Evaluation of α – amylase inhibitory activity and anti-diabetic effect of natural extracts from : Asphodelus microcarpus, Bubonium graveolens and Haplophyllum tuberculatum algerian species
	145	OUALI Mohammed, MAGRAOUI Rabah	Rotor Dynamic Study Industrial Application
	162	Jiabang Song, Haiyang Yu, Chengming Liu, Peng Song, Huaque Zeng, Xiaoming Huang, Yang Wang	The Investigation into the Influence of Different Miscibility Degree of CO2 Flooding in Ultra-low Permeability Reservoir on CO2 Sweep Range

