

PSCIENTIFIC PROGRAMME FOR ICCESN-2025

18 October 2025-Saturday

ROOM-1

10.00-11.00	Opening : Prof. Dr. Iskender AKKURT (Chair of ICCESN-2025)—Suleyman Demirel University, Isparta / TURKEY
	Session Chair : Dr. Feride KULALI-- Uskudar University, Istanbul / TURKEY
	Invited Speaker 1: Prof.Dr. Mansour Almatarneh – Imam Mohammed Ibn Saud Islamic University-Jordan “The Sustainable University: Empowering Knowledge and Shaping Global Citizens for a Resilient Future” Invited Speaker 2: Prof.Dr. Madjid FATHI – Dept. of EECS University of Siegen, GERMANY “AI & XAI (explainable AI) as a new Paradigms for new society”
11.00-11.30	Group Photo- BREAK

ROOM-1			
11.30-12.30	Session Chair : Dr. Feride KULALI-- Uskudar University, Istanbul / TURKEY		
	6	Zarife BAJRAKTARI GASHI, Izet IBRAHIMI	Optimizing roasting processes in rotary kilns for iron-nickel ores
	13	Bedjou Fatiha, Meddas Meriem and Chekkal Tadjajikt	Antioxidant activity of essential oils and ethanolic extracts of four medicinal plants alone and in combination
	14	Yachba KHEDIDJA, Bouamrane KARIM	Towards a Bio-Inspired Approach for the Optimization of Product Distribution in a Transport Company
	15	Rilinda RAÇI, Latif HASI	Integrating Computational Modeling with Experimental Methods in Bending Behavior Analysis of Round Rods
12.30-14.00	LUNCH---BREAK		
14.00-16.00	20	Naima TOUATI, Karima SAIDANI, Lydia AHOUARI, Dihia CHIBANE, Fatiha BEDJOU	ANTIMICROBIAL ACTIVITY OF ESSANTIAL OILS FROM NINE MEDICINAL PLANTS
	21	Amira Aboussalih,Tahar Zarza,Kamel Fedaoui, Karim Arar, Lahcen Mebarki	Fatigue of Food Storage Tanks Under Variable Loads
	26	Kajtaz Bllaca	Explicit formula and Prime Number Theorem for zeta Function on Function Field and Its Applications
	27	Chelli ZOUBIR, Tarek KHOUALDIA	Deep Neural Networks For Transmission Line Fault Diagnosis
	31	Naima Boudieb, Mohamed LOUCIF SEIAD , Imad RATI and Imane BENAMMANE	Electrochemical characterization of a composite (PANI/PEDOT:PSS) for application in supercapacitors
	33	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
	50	Khoualdia Tarek, Chelli Zoubi, Guerti Nasreddin, Lakikza Abdelmalek	Application of Artificial Intelligence for Fault Diagnosis in Bevel Gears Using Vibration Analysis
	52	Ayşenur SEKİN	Gelişmekte Olan Ülkelerde Elektrik Tüketimi

	53	Karima BOUKARI, Fatima BRIK, Zahia KHALDOUNA	Milling Surface Roughness Prediction Based on spectral feature and Machine Learning
	58	Samia Hamma-Faradji, Lylia Ouarabi, Amel Ait Meddour, Ghania Zidi, Liza Ouarabi, Wissam Hafir, Sylia Terki, Samia Benfattoum, Rachid adjebli	Study of the probiotic potential and anti-Staphylococcus aureus power of Lactobacillus strains
	59	Hamza BENNACEUR, Hacene AMEDDAH	Finite Element Analysis of Elasto-plastic Material Model for Cardiovascular Stent
16.00-16.15	BREAK		
16.15-18.00	64	Qiang Zhao, Ting-Na Shao, Rui Liu, Zhi-Ping Yin, Shi-Jie Yang, Jia-Cai Nie	Research on the novel quantum phenomena in infinite-layer nickelate unconventional superconducting films
	65	K. Alioua	Full-quantum calculations of the pressure broadening D1 and D2 lines of Mg ⁺ magnesium ion in a gas of ground-state He helium atoms
	68	GHAROUT-SAÏT Alima, SAÏT-DI Sabrina, MENDIL Ouidad, MEHIDI Imene, MANSEUR Lyticia, BELLIL Dassine, DJOUDI Ferhat	CTX-M-15 ESBL-Producing E. coli Isolated from Pigeons in Bejaia, Algeria
	71	RIAD HAROUZ, DJAMEL ZELMATI	Compared of Tribological and Wear Behaviours of the WC/TiC-Co in Contact with Al ₂ O ₃ Alumina for Two Sliding Speeds
	72	Semsettin KILINÇARSLAN, Mahamat Wardougou LONY, Nuri İŞILDAR	Effect of Waste Material Utilization in Geopolymer Concrete on Physical and Mechanical Properties
	289	Abdullah ALPAY, Hakan AKYILDIRIM	A study on the gamma-ray attenuation parameters for concretes containing zeolite mineral
	84	Thagirarani MUNIANDY, Che Zalina ZULKIFLI, Fazilat KODIROVA, Nor Asiah RAZAK, Okta NURIKA, Jakhongir SHOMUTALOV, Mad Helmi AB. MAJID, Zunnunova Umilda GULOMOVNA	An Embedded Framework for Smart Cloud Architecture Enabling Adaptive Business-Driven Solutions
	92	Mokhtar BENARIOUA, Nora Bouzeghaia, Imane ABDOU, Mahieddine NAOUN	Green corrosion inhibitors in the oil sector - Reality and Prospects
	93	Nhahal MOURAD, Sahraoui YACINE, Moumeni CHAOUKI	Assessing the Maintenance Impact on the Operational Reliability of a Wastewater Treatment Plant (WWTP)
	94	Hadjila BALIT, Mohamed Said BOUTAANI, Youcef KHALFAOUI, Mohand Akli SAHALI	Influence of Voids and Microstructural Parameters on the Mechanical Performance of Al/Graphene Composites: Multiscale Modeling and Optimization
	95	Fayrouz BENHAOUA, Younes Lamri, Nacira STITI, Djalila AOUI, Abdelouahab Djeddou, Mehdi TOUBANE, Bachir edin Messaid, Razika TALA IGHIL	Development and Characterization of Cellular Materials Based on Construction Waste
	98	Zine Ghemari, Salah Belkhir, Abdeslam Hocini	Improving the Accuracy and Efficiency of Capacitive Sensors via Dynamic Frequency Margin Modeling
	102	Riyadh Muhaidat, Mazhar Al Zoubi, Muath Al-Qudah, Mohammad Oqlat, Athena McKown, Rana Al-Kfoof, Khaldoun J. Al-Hadid	Assessment of the biochemical attributes of C4 photosynthesis in Boerhavia (Nyctaginaceae), a proposed model of C4 subtypes metabolic cooperation

ROOM-2			
Session Chair : Dr. Berra Seda SARIHAN – Okan University-İstanbul-Turkey			
	155	Gülşah ÇELİK GÜL, Şeymanur KÖSE, Ayşe Hatun POYRAZ, Seda BEYAZ	Dual-Pathway Optimization of Supercapacitor Components Using PEDOT-Fe ₃ O ₄ Electrodes and Borate-Enhanced HES Electrolytes

11.30-12.30	156	Gülşah ÇELİK GÜL, Fadime ÇOBAN	A Cost-Effective Microwave Route to Borohydroxyapatite: Crystallinity, Elemental Composition, and Vickers Hardness Evaluation
	103	Hayat Arbouz	Advancing High-Performance Solar Cells with Ca ₃ NCI ₃ Perovskite A ₃ BX ₃ -Type Absorbers for Next-Generation Photovoltaics
	104	Şemsettin KILINÇARSLAN, Yasemin ŞİMŞEK TÜRKER, Betül ÖZTÜRK	Determination of Properties of Heavy Concretes with Sorel Cement
	105	Burim KAMISHI	Phase Pattern from Three Cylindrical Waves Using the Moiré Method
	109	Faiza MOUHOUCHE, Kahina DJAFRI, Dehmas mokrane	A Compact high isolation of MIMO UWB Antenna with Band Notched Characteristics for WLAN Application
	112	Nabi IBADOV, Gökhan ARSLAN	The potential of information technology in construction project management
	117	Faruk Hajrizi, Izet Ibrahim	TARGETED PHENOL RECOVERY FROM LIGNITE USING ORGANIC SOLVENTS
	118	Izet Ibrahim, Faruk Hajrizi	THE STEAM GASIFICATION OF LIGNITE WITH MOLTEN ELECTRO-REDUCTION FURNACE SLAG AS HEAT CARRIER AND CATALYST
	119	Skender KABASHI and Ilir ISUFI	Modeling Cyclonic Development on the Lee Side of West-Southwest Kosovo
12.30-14.00	LUNCH---BREAK		
14.00-16.00	124	A. MOKHTARİ, Y.A.MASMOUDİ, A.BRİCK CHAOUCHE, R.BADI	Optimum design of vehicle frontal structure for crashworthiness
	125	Abdesselam MEKROUD, Adel BOUCHAHED, Abdellah DRAIDI, Mohamed ASSABAA, Salah HAMMOUDI, Abdelfettah BOUSSAID	Enhancement of the DC Output Voltage of a Multilevel Boost Converter Using LQR Control.
	126	Şakir Bingöl, Mustafa Erdem Tusun, Berkant Şimşek, Ahmet Selman Karışan, Fahri Ramazan Geçgel, Mustafa Yılmaz	Smart Earthquake Emergency Bag: Structural Damage Classification Using Multi-Sensor Data and Machine Learning
	132	Yllka KABASHI, Rozana BUCI	Comparison of Intensity Modulated Radiotherapy and Proton Therapy Treatment of Head and Neck Cancer
	133	Rozana BUCI, Yllka KABASHI	Treatment Plan Comparison of Proton Versus Photon Therapy in Meningioma Irradiation
	136	Nabi IBADOV, Paweł NOWAK, Fabio PLANU, Fabiana RACO, Jerzy ROŚŁON	Integrating Digital Twins in Architecture, Engineering and Construction
	146	Adnan CALIK, Nazim UCAR and A. Faruk ÖZDEMİR	Welding of Exotic Materials
	147	Shengting Zhang, Rodrigo C.V. Coelho, Jing Li, Qingyuan Zhu, Keliu Wu, Zhangxin Chen	Geometry-Driven Optimization of Oil–Water Imbibition in Capillaries
	149	Senlin Luo, Guangqing Zhang, Bin Sun, Jia Qiao, Hao Li, Zhuang Li	The transformation of the microscopic fracture mechanism of rock induced by confining pressure and its macroscopic fracture response
16.00-16.15	BREAK		
16.15-18.00	157	Souhila MEHERHERA, S.ALI KHOUDJA, S.ZEKARA, S.ABDI	HYPERHOMOCYSTEINEMIA AND ALZHEIMER'S DISEASE
	158	Souhila MEHERHERA, K.BAADJ,N.BAKEZZI, S. ABDI	HOMA AND TYG INDICES IN PATIENTS WITH METABOLIC SYNDROME: COMPARATIVE STUDY
	159	Pengbo YIN, Zongjie MU, Panpan ZHANG, Changhui ZENG, Qilong WEI	Research on the Migration Law of Proppant in Complex Fractures of Deep Coal under Hydraulic Fracturing
	160	Qilong WEI, Zongjie MU, Panpan ZHANG, Changhui ZENG, Pengbo YIN	A Noise Reduction Evaluation Method for coal petrology CT Images Based on Multi-index Fusion and Dynamic Weight Allocation
	161	Elif Akgün Aslan, Mehmet Sezgin	Özel Öklid Lie Grubu SE(2)
	162	Jasmina MARKOVIĆ-LIPKOVSKI, Nataša STANIĆ, Maja ŽIVOTIĆ, Marijana ZIMONJIĆ	The Benefits of Automation in Immunohistochemistry: Efficiency Standardization, and Cost Savings

	165	Benalia KOUINI, Asma Nour El Houda SID, Amina BENBOUABDALLAH	Development of an additive of aged water-based drilling fluid (Na-Bentonite /eco-local polymer) with grass powder
	173	Jiusen Wei, Wei Liu	ROP Improvement in Hard Formation Drilling Using Large Size PDC Cutters
	177	Naoual SEDDAOUI, Sabri BOULOUMA, Toufik SMAÏL, Lazhar RAHMANI	Hybrid Metaheuristic Energy management strategy in microgrids with different load profiles
	180	Sofiane ABERKANE, Hamza SEMMARI, Juan Carlos BRUNO, Alberto CORONAS	Investigation of an integrated organic rankine cycle combined with water/lithium bromide absorption chiller for a petroleum process application
	181	Cezary KRAŹKIEWICZ, Artur ZBICIAK, Przemysław MOSSAKOWSKI, Kacper WASILEWSKI	Assessment of the Tram Track Structure Condition Using Impulse Vibroacoustic Testing
	186	Mouhoub BIRANE , Abdelkader FIRAH, SEBA SAMAH, Slimane SAYAH , Khalil BENMOUIZA, Aïcha DEGLA, Sabiha anas BOUSSAA	Artificial Intelligent for Distributed Battery Storage Optimization in Smart Grids in Renewable Energy Systems
	187	Sid ali BOUBENDIR , Maamer MALKI, Salah LARBI , Kamel DJENDER	Effect of Lubricant Additives on Hybrid Lubrication Performance
	194	Ulviye BUNYATOVA; Cengiz KOCUM; Sedat NAZLIBILEK; Kubra ERKAN TURKMEN	Sustainable Sensor for Monitoring and Deactivating Waterborne Pathogens in Contaminated Water Sources using functionalized metal nanoparticles
	195	Naim SYLA and Fisnik ALIAJ	Increase of surface hardness by steel 16MnCrV9 after gas nitriding

19 October 2025-Sunday

ROOM-1

10.00-11.00	Session Chair : Dr. Feride KULALI -- Uskudar University, Istanbul / TURKEY		
	Invited Speaker 4:	Prof.Dr. Amir HUSSEIN--Edinburgh Napier University, UK	“AI-enabled studies in Sustainable Technologies”
	Invited Speaker 5:	Prof.Dr. Gerhard-Wilhelm WEBER--Poznan University of Technology-POLAND	“Boosting HRM Effectiveness for Generation Z: The Role of Ergonomics and Collaborative Workspaces ”
11.00-11.30	BREAK		

ROOM-1			
11.30-12.30	Session Chair : Dr. Feride KULALI -- Uskudar University, Istanbul / TURKEY		
	214	Morad HAMAD	Synergistic Evaluation of Ionizing Radiation Shielding in Novel Lead-Free Alloys Using Geant4 MC toolkit
	215	Amer A. G. Al Abdel Hamid	Retarding Effect of the Mediating Sulfane (-S-) Group on Chelation Efficacy of Thiolic-Sulfur Toward Mercury in 2-(2-Mercaptothiazol-5-yl) acetic acid Derivative. DFT-Theoretical Study.
	216	Fatah Cheurfa	Sensitivity analysis of the black-scholes model under hybrid uncertainty: An approach using p-boxes and Bhattacharyya distance
	185	Artan F.ALIDEMA, Frederik DARA	Solving Volterra Fuzzy Integral Equations Using the Fuzzy Sumudu Transform

12.30-14.00	LUNCH---BREAK		
14.00-16.00	227	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.
	228	Guella SOUFIANE, Said MOHAMMED EL AMİN, Benkouider ALI MUSTAPHA, Guet MOHAMED EL AMİNE, Baitiche CHAHİNEZ, Boucheikh MADANI ADDA	Economic Evaluation of Flared Gas Recovery Technologies at the GL2/Z Plant-Arzew, Algeria
	231	Osman GÜNAY, Fahrettin Fatih KESMEZACAR, Yağmur İdil ULUSOY, Duygu TUNÇMAN KAYAOKAY, Özge DEMİR, Songül KARAÇAM, Eren ÖZGÜR, Nami YEYİN, Rabia Lebriz USLU BEŞLİ, Mustafa DEMİR	Manufacturing and Printing of Urogenital System Organs
	232	Osman GÜNAY, Görkem SERBES, İsmail CANTÜRK, Caner YALÇIN, Mutlu İÇHEDEF, Caner TAŞKÖPRÜ, Murat SAÇ	Radon Concentration Variations in the Adalar District, Istanbul
	235	Halil SOYAL	Strengthening Radiation Safety Education in the Pre-Internship Health Associate Degree Curriculum
	236	Halil SOYAL, Mucize SARIHAN	Internal Radiation Alarm: Safety Awareness in Future Healthcare Workers
16.00-16.15	BREAK		
16.15-18.00	286	Aycan Şengul, Iskender Akkurt	Determination of Radiation Properties of New Generation Biopolymers by Monte Carlo
	287	Şemsettin KILINÇARSLAN, Aycan ŞENGÜL, Yasemin ŞİMŞEK TÜRKER, Nuri İŞILDAR, İskender AKKURT	Monte Carlo Investigation of Magnesium Oxychloride Based Heavyweight Aggregate Concrete Properties
	249	Berra Seda Sarıhan Kara	Interior Spatial Design Of Radioactive Waiting Areas İn Nuclear Medicine Units: Integrating Safety, Ergonomics, And Psychosocial Factors
	250	Aykut KARADEMİR, Mucize SARIHAN	Evaluation of caregiving burden and psychological distress among caregivers of patients undergoing radiotherapy
	246	Mucize Sarıhan	Assessment of cancer patients' concerns during radiotherapy: a radiation oncology perspective
	247	Mucize Sarıhan, Halil Soyal	Radiation safety and managerial ethical principles in healthcare services
	248	Berra Seda Sarıhan Kara, Mehmet Naim Kara	The Impact Of Radiation Area Design On Healthcare Services

	ROOM-2
	Session Chair : Dr. Berra Seda SARIHAN – Okan University-İstanbul-Turkey

11.30-12.30	251	Aykut KARADEMİR, Mucize SARIHAN	Evaluation of anxiety levels in cancer patients undergoing ionizing radiation therapy due to side effects
	255	Besnik SARAMATI, Burim UKA, Fesal SELIMI, Behar RACI, Labinot KASTRATI	Microcontroller-Guided DIBH Phantom: A Low-Cost Training Tool for Patient Positioning in Radiotherapy
	256	Besnik SARAMATI	Microcontrollers And Interactive Phantoms In Ionizing Radiation Physics And Brachytherapy Education. A Literature Review!
	257	Abdullah Salem BAQUHAIZEL, Chaker Mohsen SALEH	Automated Classification of Caries Progression Stages from Dental Radiographs Using Deep Learning and Transfer Learning
	258	Chaker Mohsen SALEH, Abdullah Salem BAQUHAIZEL, El Tayeb BENTRIA Abdelkader SONNE, Mohammed Belkhiri,Djalal BENSAFIEDDINE and Mouloud BOUZOUAD	Specific Absorption Rate-Based Ultra-Wideband Antenna for Breast Cancer Detection
	259	Behar RACI, Besnik SARAMATI, Burim UKA, Snezana STOJOVSKA, Igor STOJOVSKI, Arta KAMERI JUSUF, Ilir AHMETXHEKAJ, Meleq BAHTIJARI, Gezim HODOLLI, Violeta KLISAROVSKA, Labinot KASTRATI, Hekuran SEJDIU	Glioblastoma Multiforme: Case Report, Treatment, and Prognosis
	261	Burim UKA, Polikron DHOQINA, Gezim HODOLLI, Sehad KADIRI Labinot KASTRATI	The Potential and Difficulties of Using 3D Printing to Create Vaginal Applicators for Brachytherapy
12.30-14.00	LUNCH---BREAK		
14.00-16.00	264	Osman GÜNAY, Ümmühan ZENGİN ÖZER, Muhammet Mert ÇELİK	PET/CT versus Conventional Imaging in Cancer Diagnosis: Evidence from a Comprehensive Meta-Analysis
	265	Kamran KAMAL	Digital health systems: conceptual framework, opportunities, and challenges
	268	S. Anas Boussaa,K. Benfadel, L. Talbi , Y. Ouadah , A. Boukezzata ,A.Trade khodja, D. Allam , S. Hocine, A. Manseri, N.Zaourar Boutarek, B. Hamdoud and S. Kaci	Bismuth oxide electrode for CO2 conversion application
	269	Sabiha ANAS BOUSSAA, Abdallah TRAD KHODJA , Messaouda AYACHI , Abderrahmane NAAS, Samy ANAS, Fatima BOUDEFFAR , Rabia RAHMOUNE, Bilal MERAZKA	Processing of recovery Si down to purified Si powder from SIREVIVAL PROJECT
	284	Leila Abdollahzadeh Ramhormozi	Comparative Analysis of the Economics of Crime in Iran and Turkey: Institutional Structures, Economic Drivers, and Criminal Justice Policies
	285	Leila Abdollahzadeh Ramhormozi, Seyed Mojtaba Alavi	Media Economics in the Digital Age: Comparative Analysis of Ownership Structures, Information Concentration, and Economic Inequality in G20 and OIC Countries
	75	Mazhar Al Zoubi	Androgen Receptor (AR) Mutations and Prostate Cancer Risk in the Jordanian Population.
16.00-16.15	BREAK		
16.15-18.00			

	ONLINE (19 October 2025-Sunday)
	Session Chair : Dr. Osman GUNAY —Yıldız Technical University, İstanbul / TURKEY

10.30-11.15	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”		
11.30-14.30	222	Sabrina. Benmebarek , Nadia Djouambi, Salima. Bacha, Imed Eddine Benmebarek, Bouzid Omar Boussaha, Aicha Beya Mammeria	Biogenic Synthesis and Characterization of Zinc Oxide and Titanium Dioxide Nanoparticles Mediated by Plant Extracts
	233	Cemre Serdem BİLİR, Osman GÜNAY, Fahrettin Fatih KESMEZACAR, Özge COŞKUN SAĞLAM, Berrin YALÇIN, Murat DOĞAN	Organ-Specific Dosimetry in Ovarian Vein Embolization
	270	Fouad KERKAR, Djamel OUADJAOUT, Nabil KHELİFATI	Electrical Resistivity and Minority Carrier Lifetime Distribution in Directional Solidification of Silicon Ingot
	279	Rıza Fatih MENDİLCİOĞLU	Opportunities and limitations of artificial intelligence-based visualisation tools in architectural representation
	207	Sabrina. Benmebarek, Nadia Djouambi, Salima. Bacha, Imed Eddine Benmebarek, Bouzid Omar Boussaha, Aicha Beya Mammeria	Chemical study and valorization of the essential oil of Teucrium polium L. as a bioactive material for the development of a natural pharmaceutical formulation with anti-inflammatory purposes
	223	Demet SARIYER, Elif YILDIRIM	Learning from Neutrons: Machine Learning and Monte Carlo Synergy in Shielding Design
	12	F.Brik, K.Boukari, Z.Khaldouna and M.Taibi	Development and optimization of a smart wearable sensor for monitoring cardiac and respiratory signals

POSTERS

18 October 2025-Saturday

Session Chair : Dr. Mucize SARIHAN – İstanbul Okan University, İstanbul –TURKIYE			
8	Maamar MALKI, Ahmed Lamine BOUKHALKHAL, Sid Ali BOUBENDİR, Aymene BOUMEKHILA, Kamel BOUSSAID, Nasreddine SAKHRI	AUTONOMOUS FIRE FIGHTING ROBOT WITH FLAME DETECTION	
23	BOUSSAID Linda, AMIRECHE Fouzia, BENSIRADJ Nour El Houda, ZOUAGHI Nafila, BESSILA Souad	Application of flory patterson theory on the volumetric properties of liquid mixtures 1,2- dichloroethane with diethylether and dispropylether	
30	Moussa ABBAS and Mohamed TRARI	Removal of Toxic Ni(II) by Activated Olive Stone: Optization of Analytical Parameters by Response Surface Methodology	
32	AKSIL Tounsia, ABBAS Moussa, TRARI Mohamed	Characterization studies on adsorption of Iodine using carbon deriveted from the crown of Oak	
34	Rachid DJEBIEN, Yasmina KELLOUCHE	Prediction of compressive strength of concrete modified with marble waste powder using artificial intelligence model	
35	Naim SYLA, Fisnik ALIAJ and Eros Halili	Modeling the thermal conductivity of some metals	

10.00-12.30	39	FaridaDjelili-Mamou, Maurizio Servili , Primo Proietti , Abderezak	Varietal effect on physicochemical parameters, antioxidant and sensorial properties of two varieties of olive oil : <i>azerradj</i> and <i>chemlal</i> from bejaia (algeria)
	40	Farid Tafinine	A Robust diagnosis approach for automatic recognition of mechanical fault in induction motors using PCA Analysis in the frequency domain
	45	Hafida MERZOUK, Karima SAIDANI, Adouda MOUNCI, Souhila SALHI	Antioxidant and anti-mastitis activity of some essential oils
	46	Hafida MERZOUK	The effect of extracts of 12 local medicinal plants against uropathogenic Escherichia coli
	54	Lazhar BAROURA, Abdelyamine BOUKHOBZA, Kamel FEDAOUI, Lahcen MEBARKI, Amira ABOUSSALIH	Analysis and Numerical Simulation of a 316L Stainless Steel Femoral Plate
	55	Brahim DENNAI, Ahmed LAIDI, Boumediene TOUATI	Stepped Double-Slope Solar Still: Comparative Study between Analytical Simulation and Experimental Validation
	61	Hacene AMEDDAH	Study of Nano-Biomaterials for Bone Regeneration by TPMS Lattice Structure
	69	Asma ABDENBI, Habiba Berbaoui, Amel Saad, Abdelhadi SEGHIR, and Boumediene TOUATI	Modeling and Experimental Analysis of Drying Parameters Affecting Pistacia Atlantica Leaf Preservation
	77	Sabrina SAIT-DIB, Rima Tafoukt-Mezzai, Alima GHAROUT-SAIT, Meriem Adouane, Lila BOULEKBACHE-MAKHLOUF	Formulation of a Cosmetic Cream with Anti-Inflammatory Effect Based on Medicinal Plants
	78	Derabla RIAD, Nedjar RADOUANE, Yahiaoui ADEL and Mosbah MOHAMED	Physical-Mechanical Characterization of a Lightweight Concrete based on Wood Chips
	80	Krimo AZOUAOUI, Youcef HADJ MIHOUB SIDI MOUSSA, Said MOUHOUBI	Damage Investigation and Finite Element Modeling of Sandwich Panels Subjected to Multiple Low-Energy Impacts
	81	Abdelhamid MILOUDI, Mohamed TAHI	Integrating Genetic Algorithms and Decision Trees for Efficient Fault Diagnosis in Rotating Machinery
	82	Nourdine OUALI, Youcef BRAHIMI	REPAIR OF DEFECTS IN WELDING JOINTS AND CASTING PARTS USING WELDING TECHNOLOGY
	83	Ahmed BOUSSAHA, Rafik MAKHLOUFI	Finding the Best Crimping Conditions for Metal Cans through Experimental Testing
	87	Moussaoui Saida, Smaili Fatiha, Berrabah Salah Eddine, Kaizra Salima , Bouchemal Hassiba	Impact of Scan Rates on the Redox Behavior of Paracetamol at NiO/GrE
	101	Djamel ZELMATI, Riad HAROUZ, Oualid Ghelloudj, Mohamed HASSANI, Tahar GUETTAF-TEMAM, Hamza HAZORLI, Wissem RICHI, Hamza AOUAICHIA	Fatigue Crack Growth in Cold-Rolled Carbon Steel Sheets
	107	Anna JAKUBCZYK-GAŁCZYŃSKA, Agata SIEMASZKO	Artificial Intelligence in Monitoring and Diagnostics in Civil Engineering
	113	Fayrouz BENHAOUA, Djalila AOUI, Nacira STITI, Younes Lamri, Ayoub Kechid, Imen OULDAMRI , Mehdi TOUBANE, Bachir edin Messaid, Razika TALA IGHIL	Study of the Effectiveness of Steel Shavings as a Foaming Agent for the Production of Foams Glass
	122	A. MOKHTARI, Y.A.MASMOUDI, A.BRICK CHAOUICHE , R.BADI	Optimum design of vehicle frontal structure for crashworthiness
	123	Toufik SMAIL, Sabri BOULOUMA, Naoual SEDDAOUI	Solving Voltage Total Harmonic Distortion Minimization Problem in Cascaded H-Bridge Multi-level Inverters by using the PSO Algorithm
	129	Astrit SHALA, Nazmi HASI	Definition of the seismic waves Vp and Vs for the seismic zones of Mitrovica-Kosova
	131	Junfeng Zhu, Guangqing Zhang	Improved Shale Microcrack Prediction via Plasticity-Modified Model
	134	GUERFI. Bahdja ; BOUKHADRA. R ; KHADER.N; ZOUANI.A ; HADHOUM. N, HADJADJ AOUL.F.Z	DEVELOPMENT AND CHARACTERIZATION OF A PVA-ZnO AND PVA- CHITOSAN-ZnO NANOCOMPOSITE DRESSING WITH ANTIBACTERIAL ACTIVITY.
	135	Dr.GUERFI. Bahdja, KHADER.N, Bellahcene. I, ZOUANI.A, HADHOUM N, BENZIANE. L, GUERCH. A, HAMLAOULS.HADJADJ AOUL.F. Z	THERAPEUTIC EDUCATION OF PATIENTS IN PHARMACIES:CURRENT STATES.

	137	Ruiheng JIN, Guangqing ZHANG	Study on the discontinuous fracture process zone leading to multiple parallel fractures
	138	Yaoyang Li, Guangqing Zhang, Yansen Ling Dingshan Cai	Experimental Study on Fracture Morphology Evolution in Horizontal Well Refracturing Based on FBG Optical Fiber Monitoring
	145	Belhaneche-Bensemra NAIMA, Touatou SOUMIA	Preparation And Characterization Of Wool Keratin Thermo-Pressed Plasticized Films Using Factorial Design
	148	Panpan ZHANG, Zongjie MU, Pengbo YIN, Qilong WEI, Shouceng Tian	A 3D method for evaluating the sphericity of proppant in the field of hydraulic fracturing
12.30-14.00	BREAK		
14.00-18.00	153	Chouder DalilaBelguerbiOuafia Seid Lamria	Elaboration and study of hybrid material of polyvinyl alcohol / polypyrrole Cu-Ni
	154	Chouder Dalila Belguerbi Ouafia Seid Lamria	Electrochemical synthesis of polyaniline and his dipping by ions Ni ²⁺
	164	Fengjiao Li, Wei Liu	Hierarchical Foam Metal Integration in PDC Cutters: A Strategy for Extreme-Condition Performance Optimization
	166	Dr KHADER.N, GUERFI. Bahdja	Assessment of the oxidative stress on the human health in Algeria
	169	Samia ABDI, Salam BENNOUAR, Mohamed MAKRELOUF, Akila ZEATI, Christine PETIT, Chrystel BONNET	REDEFINING THE THRESHOLD VALUE OF HYPERSENSITIVE CARDIAC TROPONIN I IN SHORT-TERM COVID-19 MORTALITY PREDICTION
	172	Samia.BEROUAKEN, DAHMAS , Samia.ABDI	MOLAR BANDS MICROBIOLOGICAL CONTROL OF THE EFFECTIVENESS OF THE DISINFECTION PROCESS
	179	Mengjie LI, Bei LV, Kaixin LIU, Yufei ZHANG, Junwang FU, Shiyuan LI	Experimental Investigation of Shear Friction Characteristics in Volcanic Rock Under In-Situ Shear-Enhanced Permeability Conditions
	182	Chouder Dalila Gouichiche Amina Belguerbi Ouafia Seid Lamria	Synthesis of chemical polyaniline and his dopage by metallic oxide
	183	Bennia imene, Benkedda Younes	Numerical and Experimental Analysis of Resistance Spot Welding of Aluminum Alloys Using Finite Volume Method
	184	Bennia imene, Samah lounis	Development of a Computational Interface for the Thermal Behavior Analysis of Metallic Plates Using the Finite Volume Method
	189	Omar Choukri*, Ezzine Mohsine, Souadi Taibi	INDUSTRIAL RECYCLING OF USED COPPER CABLES AND WIRES: COMBINATION OF COLD AND HOT TREATMENT FOR MAXIMUM RECOVERY AND MINIMUM EMISSIONS
	190	Boutora SALIHA, Hamitouche ISMAIL, Dridi ISLAM	Enhanced Energy Optimization through IoT Smart Metering and AI-Driven Forecasting and Scheduling
	191	Nour el islam BACHARI, ZEDDAM Chouaib, HAMDY Younes Lamine SALIM	New application for detecting desert soil change based on long-term satellite images
	192	Nour el islam BACHARI, Lamri NACEF, Fouzia HOUMA	Hybrid statistical and artificial intelligence approach for forecasting wind speeds energy on the west coast of Algeria
	193	Youcef BOUTORA, Safia AIMEUR, Nouredine TAKORABET	Design of permanent magnets for sinusoidal waveform of airgap induction in slotless synchronous machines
	197	Mounir SOUICI, Dalil BOUMALA, Ahmed TEDJANI	Monte Carlo simulation of dry DNA exposed to protons at the Bragg-peak energies
	206	Dalil BOUMALA, Mounir SOUICI, Ahmed TEDJANI	Quantitative Assessment of Therapeutic and Neutron-Induced Doses Using MCNP in Cranial Proton Irradiation
	208	Toufik MOUET, Abdelmalek MOUATSI, Lyes DIB, Abdelali SAOULI, Bessem KAGHOUCHE, Ilyes NOUICER	Simulation and optimization for Device of a lead-free inorganic perovskite solar cell using SCAPS-1D
	213	Tafinine farid	Introduction of image analysis and acoustic emission for fault identification in asynchronous machine
	219	F. ZAMI, F. SOFRANI, A. CHERIET, S. ZEFFANE, N. KAOUICHE	Structural, elastic, electronic and magnetic properties of a Half-Heusler alloy: ab-initio study
	221	Kaouche NAIMA, Boutaous AHMED, Zamii FATIMA	Comparison of the effect of plant and synthetic fibers on fiber-matrix interface damage in biocomposite materials based on biodegradable PHA (polyhydroxyalkanoate) matrices with that in PLA (polylactic acid) matrix.
	234	Dr. Lua"Y Zeatoun, Eng. Omar Al-Rabay'ah	Evaluating Ambient Air Pollution and Forecasting Its Urban Impact Using ARIMA and LSTM Models: A Case Study from Central Amman

	240	Nour el yakine YAHA, Akila BOUSTA, Sabah BRAHMI , Mohammed Salah BOUKHECHEM	Contribution to the study of the chemical composition and antioxidant activity of propolis from two regions in northern Algeria
	241	Youcef BOUTORA, Safia AIMEUR, Nouredine TAKORABET, Saliha BOUTORA	Design of permanent magnets for sinusoidal waveform of airgap induction in slotless synchronous machines
	252	Harche RIMA, Laoufi NADIA AICHA	Study of the effectiveness of the diisohexanizer and its impact on isomer quality at the Algiers refinery
	254	Dr. Jana LIPKOVSKI, Prof. Dr. Aleksandar LIPKOVSKI	Numerical methods used in fire-protection simulations – a review
	262	Polikron DHQINA Burim UKA, Gëzim HODOLLI, Behar RACI	Methodological Aspects in the Commissioning of 3D Printed Vaginal Applicators for Gynecological HDR Brachytherapy
	282	Nourdine OUALI, Fatma Zohra SI SALAH, Mahrez SAADEDINE, Nacira NAAR	VALORIZATION OF FARMING WASTE IN A COMPOSITE MATERIAL: MECHANICAL CHARACTERIZATION
	277	Hamdi ALIU, Zeynep Dengiz BALTA, Rreze GECAJ, Salih KUMRU, Fikir BALTA, Arben SINANI	Microbiological safety of artisanal honey: Detection of C. botulinum and other bacteria in Kosovo
	278	Esad Behrami, Ditjona Shala, Blerina Kollani	Determination of Physico-Chemical Properties and Heavy Metals Lead (Pb), Cadmium (Cd), Aluminum (Al), Nickel (Ni), and Chromium (Cr) in Cabbage Cultivated in the Region of Prishtina and Prizren.
	271	Gezim HODOLLI, Sehad KADIRI, Burim UKA, Labinot KASTRATI	Validation of the individual monitoring system for radiation workers through intercomparison tests
	57	Karim ARAR, Hacene AMEDDAH	Fatigue Analysis of 3D Printing Plastic Helical Gears
	211	Ahmed BELGACEM, Renad RABIE, Hocine HADOUN, Lotfi FAGHI	Effect of the mass ratio of phosphoric acid on the chemical impregnation of a vegetal waste for the preparation of a porous material
	212	Ahmed BELGACEM, Renad RABIE, Hocine HADOUN, Lotfi FAGHI, Insaf OULDBRAHIM	Green Synthesis of Mesoporous Activated Carbon from Plant Waste for Azo Dye Removal in Water Treatment
	263	Fisnik ALIAJ, Suela HOXHA, Teuta PUSTINA-KRASNIQI, Mirind QERIMI	Optical Performance and Clinical Relevance of CAD/CAM Ceramic Materials
	139	Marta MIKIELEWICZ, Anna JAKUBCZYK-GALCZYŃSKA, Robert JANKOWSKI	Impact of Traffic-Induced Vibrations on People in Buildings: A Neural Network Study
	79	Sabiha TALMAT, Olivier BRUGIER, Jean-Paul LIÉGEOIS, Aziouz OUBADI	The two-stage (630 and 600 Ma) emplacement of the Amsel post-collisional Pan-African high-K calc-alkaline batholith, Hoggar, Algeria
	288	Henni Abderrahmane, Mouassaoui Nourredine	Machine Learning Prediction of Mesospheric Sodium Density for Laser Guide Stars
	7	Nazmi HASI, Latif HASI	Macroseismic evaluation of the location in Rahovec for the installation of solar panels