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5th INTERNATIONAL WORLD ENERGY CONFERENCE

12-13 / DECEMBER / 2025 / KAYSERİ / TÜRKİYE

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Online Presentations

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exp. Atabek Movlyanov

12.12.2025 / Online Session-1 / Hall-1 / TSI Time-10⁰⁰:12⁰⁰



ZOOM ID: 858 1117 0419 / PASSCODE: 123456



HEAD OF SESSION: Prof. Dr. Atılgan ATILGAN

Authors	Affiliation	Presentation title
Prof. Dr. Atılgan ATILGAN Lect. Leyla AKBULUT	Alanya Alaaddin Keykubat University, Türkiye	THE ROLE OF NATURE-BASED SOLUTIONS IN WATER, ENERGY AND ENVIROMENT: A REVIEW EXAMPLE
Prof. Dr. Sedat BOYACI Prof. Dr. Atılgan ATILGAN	Kırşehir Ahi Evran University, Türkiye Alanya Alaaddin Keykubat University, Türkiye	DETERMINATION OF HEATING BOILER CAPACITIES IN GREENHOUSES DEPEND ON ENERGY CONSERVATION
Prof. Dr. Sedat BOYACI Mısra SEZER Meryem Sümeyye EKİZ	Kırşehir Ahi Evran University, Türkiye	EVALUATION OF THE PERFORMANCE OF DIRECT EVAPORATIVE COOLER IN HIGH TUNNEL GREENHOUSE CONDITIONS
Assist. Prof. Dr. Ahmet ŞEKEROĞLU Res. Assist. Vesile ŞİMŞEKOĞLU	Amasya University, Türkiye Konya Technical University, Türkiye	BIOENERGY PRODUCTION BASED ON ENERGY CROPS IN MARGINAL AGRICULTURAL LANDS
Assoc. Prof. Dr. Sadettin ÇELİK	University of Bingol, Türkiye	MULCHING: AN INNOVATIVE APPROACH TO SOIL CONSERVATION AND COMBATING CLIMATE CHANGE
Assoc. Prof. Dr. Sadettin ÇELİK	University of Bingol, Türkiye	STRATEGIC IMPORTANCE OF DIRECT SEEDING AND ITS ROLE IN COMBATING CLIMATE CHANGE
Reyyan KOLCU Prof. Dr. Sevinç YEŞİLYURT	Tekirdağ Namık Kemal Türkiye	USE OF ALGAE IN AGRICULTURE AND CLIMATE CHANGE: NATURAL FERTILIZER, GROWTH REGULATOR, AND SOIL AMENDMENT
Asst. Prof. Dr. Mutlu BULUT	Niğde Ömer Halisdemir University, Türkiye	MODELLING AND FORECASTING ELECTRICITY DEMAND FOR AGRICULTURAL PRODUCTION IN TÜRKİYE USING ARIMA METHODS

12.12.2025 / Online Session-1 / Hall-2 / TSI Time-10⁰⁰:12⁰⁰



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HEAD OF SESSION: Prof. Dr. Burak MARKAL

Authors	Affiliation	Presentation title
Res. Assist. Alperen EVCİMEN Prof. Dr. Burak MARKAL	Recep Tayyip Erdoğan University, Türkiye Karadeniz Technical University, Türkiye	INVESTIGATION OF LIQUID FILM AND VAPOR BUBBLE BEHAVIOUR AROUND A SQUARE PIN-FIN IN A MICRO DOMAIN
Assist. Prof. Dr. Burak İZGİ Assist. Prof. Dr. Hüseyin Zahit DEMİRAĞ Prof. Dr. Mevlüt ARSLAN	Yozgat Bozok University, Türkiye	TECHNO-ECONOMIC ANALYSIS OF HEAT PUMP AND PHASE CHANGE MATERIAL-BASED THERMAL ENERGY STORAGE INTEGRATION
Assist. Prof. Dr. Atila Abir İÇCİ Assist. Prof. Dr. Hüseyin Zahit DEMİRAĞ Assist. Prof. Dr. Burak İZGİ	Yozgat Bozok University, Türkiye	EFFECT OF TRAPEZOIDAL WINGLET TRAILING-EDGE HEIGHT REDUCTION ON HEAT TRANSFER ENHANCEMENT IN PERIODICALLY FULLY DEVELOPED CHANNEL FLOW
Res. Assist. Alperen EVCİMEN Prof. Dr. Burak MARKAL	Recep Tayyip Erdoğan University, Türkiye Karadeniz Technical University, Türkiye	A COMPREHENSIVE REVIEW ON THE PERFORMANCE CHARACTERISTICS OF PULSATING HEAT PIPES: A PARAMETRIC ANALYSIS
Lect. Fatih ATCI Prof. Dr. Burak MARKAL	Karadeniz Technical University, Türkiye	NUMERICAL ANALYSIS OF SINGLE-PHASE FLOW AND HEAT TRANSFER IN A WAVY MICROCHANNEL WITH A ROUGHENED BOTTOM SURFACE
Lect. Fatih ATCI Prof. Dr. Burak MARKAL	Karadeniz Technical University, Türkiye	A NUMERICAL STUDY OF FLOW AND HEAT TRANSFER IN MICROCHANEL HEAT SINK: EFFECT OF MICRO-PIN FIN ORIENTATION ANGLE
Engin DURSUN Emin Yiğit UMUR Oğuz ÇİÇEK	E.C.A Valf Sanayii Manisa, Türkiye	DEVELOPMENT OF A LOCAL AND ENERGY-EFFICIENT ELECTRONIC EXPANSION VALVE (EEV) DRIVER FOR REFRIGERATION SYSTEMS
Aykuş Alp YILMAZ Kader ORHAN Hüseyin GÜR	E.C.A Valf Sanayii Manisa, Türkiye	THERMOSTATIC MIX VALVE DESIGN AND MANUFACTURING

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HEAD OF SESSION: Assoc. Prof. Dr. Muhammet ÇELİK

Authors	Affiliation	Presentation title
Assist. Prof. Dr. Sezer ONBILGIN	Nigde Omer Halisdemir University, Türkiye	DEVELOPMENT OF A THREE-CELL MICROTUBULAR SOFC STACK PROTOTYPE FOR MOBILE APPLICATIONS
Assist. Prof. Dr. Vusala JAFAROVA Assist. Prof. Dr. Doğan ŞENGÜL	Turkic World Research Center, Azerbaijan İstanbul Sabahattin Zaim University, Türkiye	FROM HYDROCARBON CORRIDOR TO GREEN ENERGY CORRIDOR: A SWOT- AND RISK-BASED ASSESSMENT OF ENERGY AND TRANSPORTATION LOGISTICS IN THE TURKIC WORLD
Assist. Prof. Dr. Ceyda KÖK	İskenderun Technical University, Türkiye	THE EFFECT OF FUEL CELL MAXIMUM POWER ON PERFORMANCE IN A FUEL CELL HYBRID VEHICLE
Aytaç ŞANAL Assoc. Prof. Dr. Muhammet ÇELİK	Aksaray University, Türkiye	OPTIMIZATION OF PEM FUEL CELL PERFORMANCE USING ARTIFICIAL INTELLIGENCE METHODS
Bilal GÜLSEVEN Prof. Dr. Gökhan SÜRÜCÜ Prof. Dr. Özge SÜRÜCÜ Assoc. Prof. Dr. Ayşenur GENCER	Gazi University, Türkiye Ankara Yıldırım Beyazıt University, Türkiye Karamanoglu Mehmetbey University, Türkiye	DETERMINATION OF THE HYDROGEN STORAGE PROPERTIES OF Li DECORATED Ti2CF2 MXENES
Zeyad MANSOOR ALSADOON Prof. Dr. Gamze GENÇ	Erciyes University, Türkiye	MODELING AND SIMULATION OF A DIGITAL CONTROL SYSTEM FOR POWER QUALITY IMPROVEMENT USING STATIC VAR COMPENSATION
Chaymae DENDEN	Mohamed First University, Morocco	GLOBAL OPTIMIZATION OF HYDROGEN PRODUCTION SYSTEMS USING MACHINE LEARNING TECHNIQUES
Chaymae DENDEN	Mohamed First University, Morocco	SUSTAINABLE HYDROGEN PRODUCTION AND STORAGE FROM PHOTOVOLTAIC SYSTEMS IN SMART MICROGRIDS
Benlahreche Fatima Zohra Nouicer El amine Yahia Lazhar Hazmoune Hichem Nouicer abdelmadjid	Constantine 1 University, Algeria Batna 2 University, Algeria Oum el bouaghi University, Algeria	ADVANCED ELECTRODE MATERIALS AND NON-NOBLE METAL CATALYSTS FOR EFFICIENT GREEN HYDROGEN PRODUCTION VIA WATER ELECTROLYSIS

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HEAD OF SESSION: Selvije Lajqi

Authors	Affiliation	Presentation title
Abdulgaffar Muhammad	Ahmadu Bello University, Nigeria	MODELING THE CARBON-OIL-FISCAL TRILEMMA: A DERIVATIONAL FRAMEWORK FOR ENERGY JUSTICE AND EMISSION EFFICIENCY IN NIGERIA
Res. Assist. Francisco J. Rey	University of A Coruña, Spain	TECHNOLOGICAL INNOVATION AND SOCIAL ACCEPTANCE IN THE ENERGY TRANSITION: INSIGHTS FOR A RESPONSIBLE AND SUSTAINABLE AI FUTURE
Svetlana KUNSKAJA	Lithuanian Energy Institute, Lithuania	RENEWABLE ENERGY TECHNOLOGY DEPLOYMENT: CONTRIBUTIONS TO THE SUSTAINABLE DEVELOPMENT GOALS AND SOCIETAL WELFARE
Selvije Lajqi Soreja Adzajlic Kushtrim Agaj Venera Kelmendi Dielza Berisha	University "Haxhi Zeka"Pejë, Kosovo	CLEAN ENERGY FOR A SUSTAINABLE WORLD: TECHNOLOGY, POLICY, AND NEW PERSPECTIVES
Dr. Oheiku Aisha Avosuahi	University of Abuja, Nigeria	EVALUATING THE IMPACT OF RENEWABLE ENERGY SYSTEMS ON NURSING WORKFLOW EFFICIENCY AND PATIENT CARE IN RESOURCE-LIMITED SETTINGS: A SYSTEMATIC REVIEW
Artita Permanda Chrisstohfer SM Alif Prawira Basuki Ratna Septiyanti Mega Metalia	Perpajakan Universitas Lampung, Indonesia	ANALYSIS OF THE EQUITY AND EFFECTIVENESS OF THE LUXURY GOODS SALES TAX (PPNBM) EXEMPTION POLICY FOR ELECTRIC VEHICLES (EV) IN INDONESIA
Aminu Yakubu Boyi Sani Inusa Milala	Federal Polytechnic kaltungo, Nigeria Universiti Tun Hussein Onn Malaysia, Malaysia	BEYOND ESG REPORTING: ENERGY RESILIENCE AS A DRIVER FOR STRATEGIC ESTATE VALUATION AND PORTFOLIO REBALANCING
Najiba Mohammadi Prof. Samira Nasirzadeh	Allah Bayt International University, Iraq	THE ROLE OF ARTIFICIAL INTELLIGENCE IN ENERGY DEMAND MANAGEMENT IN SMART CITIES
Moses Adeolu AGOI Yewande Adeyosola ODUNAYO Rasheed Olatunde AJETUNMOBI Akeem Ademola ADEDOKUN	Lagos State University of Education, Nigeria	BLOCKCHAIN TECHNOLOGY FOR PEER-TO-PEER RENEWABLE ENERGY TRADING

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HEAD OF SESSION: Mehedy Hasan Sabby

Authors	Affiliation	Presentation title
Md Mehedy Hasan Sabby Bandhon Saha Bijoy	University of Agder, Norway	BEM-BASED QBlade ANALYSIS OF SINGLE VS MULTI-AIRFOIL ROTOR CONFIGURATIONS FOR A 5 MW WIND TURBINE
Aymen BAMAAROUF	Hassan II University of Casablanca, Morocco	INTELLIGENT OPTIMIZATION OF ENERGY SHARING IN HYBRID WIND-BASED MICROGRIDS
Aymen BAMAAROUF	Hassan II University of Casablanca, Morocco	INTELLIGENT CONTROL OF ENERGY SHARING IN WIND BASED MICROGRIDS
Helal Uddin Nur Alam Mondal	Hajee Mohammad Danesh Science and Technology University, Bangladesh	MECHANICAL CAD DESIGN AND COMPUTATIONAL FLUID DYNAMICS STUDY OF AN ADVANCED HIGH-SPEED NASA PROPELLER
Drai Ismail Sahnoun Rachid Merouane Habib Yahiaoui Tayeb Slimani Rabeh	Mustapha Stambouli University of Mascara, Algeria	ADVANCED NUMERICAL ANALYSIS AND PERFORMANCE ENHANCEMENT OF DARRIEUS VERTICAL-AXIS WIND TURBINES
Chhavi Mukesh Kumar	Birla Institute of Technology and Science, Pilani- Dubai, United Arab Emirates University of Delhi, India	HYBRID WASTE HEAT RECOVERY FOR ENHANCED AUTOMOTIVE ENERGY EFFICIENCY
Nanda Aulia Rahma	State Islamic University K.H. Abdurrahman Wahid Pekalongan, Indonesia	WOOD BIOMASS GASIFICATION FOR RESOURCE CONSERVATION AND RENEWABLE ELECTRIC ENERGY
Nwaeze Quality Ebube T.O. Daniel	Alex Ekwueme Federal University, Nigeria	BIOENERGY: A SUSTAINABLE SOLUTION TO ENERGY DEMAND
Dr. Mohamad Nurul Azman Mohammad Taib	University of Malaya, Malaysia	RECENT DEVELOPMENT OF NANOCELLULOSE EXTRACTED FROM AGRICULTURAL WASTE FOR ENERGY STORAGE APPLICATIONS

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HEAD OF SESSION: Assist. Prof. Dr. S Suresh

Authors	Affiliation	Presentation title
Assist. Prof. Dr. S Suresh Assist. Prof. Dr. V Bharanigha Niranjana S Jai Akash S	B S Abdur Rahman Crescent Institute of Science and Technology, India	DESIGN AND SIMULATION ANALYSIS OF SOLAR PV-FED THREE-PHASE INTERLEAVED BOOST CONVERTER (SPVTPIBC) WITH MOTOR LOAD FOR E-MOBILITY APPLICATIONS
Adel DELIOU Takieddine Bouklia Samir DJIMLI Mohamed Kemiha Meriem DEHBI Sofiane BOULKROUNE Abdelkader FIDJAH	University of UMSB of Jijel, Algeria University of Djelfa, Algeria Center of Research in Mechanics (CRM), Algeria	STUDY OF THE PERFORMANCE OF A SYMMETRIC SOLAR STILL
Assoc. Prof. Dr. Sonila Sinjari Res. Assist. Klevis Turka Res. Assist. Oltion Pupi Assoc. Prof. Dr. Ferim Gashi	University of Tirana, Albania	GEOSPATIAL MODELING FOR SOLAR ENERGY. CASE STUDY: HUDENISHT COMMUNE, ALBANIA
Abdelali Laid Abed Zoulikha	University Djillali Liabes of Sidi Bel Abbes, Algeria	MODELLING AND SIMULATION OF CIGS SOLAR CELLS ON THE PERFORMANCE OF ZINC SULFIDE INSULATION LAYER
El Mostafa Benharaf Ikram Mennas Zidane Zohra Abdelhakim Khourchech Ayoub Cherrat Abdellah Zeroual Mohammed El Idrissi	Sultan Moulay Slimane University, Morocco Mohammed V University in Rabat, Morocco	ENERGY-LEVEL ENGINEERING IN ORGANIC SOLAR CELLS: COMPUTATIONAL INSIGHTS INTO QUINOXALINE-BASED DONOR MATERIALS
Dr. Olaore, Kayode Olatunde Dr. Usman, Abdulkareem Dr.Sunday Abayomi John Abdulummini Zakari	Kwara State Polytechnic, Nigeria	HARNESSING SOLAR ENERGY: AN INVESTIGATION INTO PARABOLIC SOLAR COOKING SYSTEMS FOR PARAFFIN WAX MELTING IN ILORIN KWARA STATE
Karima LAAROUSSI Abdellah EL AISSAOUI Assia HARKANI Saloua JEMJAMI	University Hassan 1st, Morocco National Institute of Agronomic Research, Morocco	LARGE-SCALE MAPPING OF PHOTOVOLTAIC PANELS USING K-MEANS CLUSTERING ON SATELLITE REMOTE SENSING DATA
Belarbi Faten Mohamed Adnane	University of Sciences and Technology Mohamed Boudiaf Oran, Algeria	THEORETICAL STUDY OF CZTS ECOFRIENDLY SOLAR CELL PERFORMANCE SCAPS-1D
Prof. Dr. Maia MELIKIDZE Garik TEYMURAZYAN Tamar TARKHNISHVILI	Business and Technology University, Georgia Georgian Renewable Energy Development Association (GREDA), Georgia Georgian Melioration, Georgia	PROSPECTS FOR THE INTEGRATION OF NET BILLING IN GEORGIA AND ITS IMPACT ON THE DEVELOPMENT OF RENEWABLE (SOLAR) ENERGY

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HEAD OF SESSION: Assoc. Prof. Dr. Aykut Fatih GÜVEN

Authors	Affiliation	Presentation title
Yaradana Çağrı GÖKTEPE Assoc. Prof. Dr. Aykut Fatih GÜVEN	Yalova University, Türkiye	OPTIMIZATION AND TECHNO-ECONOMIC ANALYSIS OF ELECTRIC VEHICLE CHARGING SYSTEMS IN RENEWABLE ENERGY-BASED MICROGRIDS ON UNIVERSITY CAMPUSES
Assoc. Prof. Dr. Aykut Fatih GÜVEN Elif ÇOKKIR Emine ÖNAL	Yalova University, Türkiye	AI-BASED PASSIVE CELL BALANCING IN LITHIUM-ION BATTERY PACKS: A SIMULATION-BASED COMPARISON OF PSO AND GWO ALGORITHMS
Res. Assist. Emine İŞİN Prof. Dr. Nurettin ÇETİNKAYA	Konya Technical University, Türkiye	BATTERY CAPACITY ESTIMATION IN GRID-CONNECTED ENERGY SYSTEMS AND MULTI-CRITERIA OPTIMIZATION APPROACH
Dr. A. Can DUMAN	Turkish-German University, Türkiye	COMPARING OVERNIGHT DEPOT AND OPPORTUNITY CHARGING STRATEGIES FOR BATTERY ELECTRIC BUSES
Res. Assist. Sebahat ALTUNDAG Prof. Dr. Fatih BULUT	Inonu University, Türkiye	SOC ESTIMATION OF LI-ION BATTERIES VIA LINEAR AND NONLINEAR EIS
Assist. Prof. Dr. Yusuf MURATOĞLU Prof. Dr. Alkan ALKAYA	Toros University, Türkiye Mersin University, Türkiye	PERFORMANCE AND STABILITY ANALYSIS OF LITHIUM TITANATE OXIDE BATTERIES IN ENERGY STORAGE SYSTEMS
Assoc. Prof. Dr. Haydar KEPEKCI Mehmet Emin AGCA	Istanbul Gelişim University, Türkiye Independent Researcher, Türkiye	CFD-BASED THERMAL ANALYSIS OF LI-ION BATTERY MODULE WITH DIFFERENT BAFFLE CONFIGURATIONS AND AIRFLOW CONDITIONS
Assoc. Prof. Dr. Şengül ŞANLIER UÇAK	Recep Tayyip Erdogan University, Türkiye	SAFETY AND RELIABILITY CHALLENGES IN SHORE ELECTRIFICATION: A RISK-ORIENTED EVALUATION FOR HYBRID AND ELECTRIC SHIPS

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HEAD OF SESSION: Prof. Dr. Nazan YALÇIN ERİK

Authors	Affiliation	Presentation title
Assoc. Prof. Dr. Okan KON	Balikesir University, Türkiye	DEEP SEA TRANSPORT AND STORAGE OF CARBON DIOXIDE (CO ₂)
Prof. Dr. Nazan YALÇIN ERİK	Sivas Cumhuriyet University, Türkiye	THE PARADOXICAL ROLE OF COAL IN THE GLOBAL ENERGY SYSTEM: HISTORICAL LEGACY, CONTEMPORARY CRISIS, AND FUTURE PROJECTIONS
Res. Assist. Ömer ÖKSÜZ Prof. Dr. Burak MARKAL	Karadeniz Technical University, Türkiye	INVESTIGATION OF FLOW BOILING PERFORMANCE IN MICROCHANNELS FOR HYDROPHILIC, HYDROPHOBIC, AND HYBRID SURFACES: TECHNIQUES, MECHANISMS, AND APPLICATIONS
Res. Assist. Ömer ÖKSÜZ Prof. Dr. Burak MARKAL	Karadeniz Technical University, Türkiye	THERMAL MANAGEMENT SYSTEMS IN MICROGRAVITY ENVIRONMENTS: HEAT PIPE TECHNOLOGY
Assoc. Prof. Dr. Nazan GÖKŞEN TOSUN Prof. Dr. Cemil ALKAN Res. Assist. Erdinç Halis ALAKARA Prof. Dr. Cemil ALKAN	Tokat Gaziosmanpaşa University, Türkiye	SYNTHESIS AND CHARACTERIZATION OF MULTIFUNCTIONAL N-DODECANOL@MFB@AG MICROCAPSULES FOR INDOOR THERMAL ENERGY STORAGE APPLICATIONS
Assoc. Prof. Dr. Nazan GÖKŞEN TOSUN Res. Assist. Erdinç Halis ALAKARA	Tokat Gaziosmanpaşa University, Türkiye	HYBRID FLAME-RETARDANT MICROCAPSULES BASED ON N-OCTADECANE@MELAMINE-BORIC RESIN@AG FOR EFFICIENT THERMAL ENERGY MANAGEMENT

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HEAD OF SESSION: Prof. Dr. Hatice KANBUR ÇAVUŞ

Authors	Affiliation	Presentation title
Bourama DJONFAGA Prof. Dr. Gokhan SURUCU Assoc. Prof. Dr. Murat ŞAHİN Assist. Prof. Dr. Rıza Görkem OSKAY Prof. Dr. Ali İhsan KARAYİĞİT Assoc. Prof. Dr. Khairul Azlan MUSTAPHA Assist. Prof. Dr. Yakup ÇELİK Assist. Prof. Dr. Rıza Görkem OSKAY Prof. Dr. Ali İhsan KARAYİĞİT Assoc. Prof. Dr. Khairul Azlan MUSTAPHA Enver YILMAZ	Gazi University, Türkiye National Defense University, Türkiye Hacettepe University, Türkiye University Malaya, Malaysia İstanbul University-Cerrahpaşa, Türkiye Hacettepe University, Türkiye University Malaya, Malaysia İstanbul University-Cerrahpaşa, Türkiye	A FIRST-PRINCIPLES INVESTIGATION OF THE STRUCTURAL, ELECTRONIC, AND OPTICAL PROPERTIES OF THE 2D SiCI MATERIAL PRELIMINARY EVALUATION OF SOURCE ROCK POTENTIAL USING ROCK-EVAL PYROLYSIS FROM THE MEZARDERE FORMATION SHALES OF LATE EOCENE-OLIGOCENE AGE (SW THRACE BASIN, NW TÜRKİYE) ROCK EVAL PYROLYSIS OF A LOW-RANK COAL: INSIGHTS INTO MIDDLE MIOCENE SEAM-II (ÇOMU-YANOĞLAN COALFIELD, İSKİLİP-ÇORUM, TÜRKİYE)
Prof. Dr. Hatice KANBUR ÇAVUŞ Prof. Dr. Berna YAVUZ PEHLİVANLI	Yozgat Bozok University, Türkiye	MORPHOLOGICAL AND STRUCTURAL IMPROVEMENT OF KÜTAHYA-OYSU AMORPHOUS GRAPHITE AFTER LEACHING AND HIGH-TEMPERATURE (1700 °C) TREATMENT: A COMPARATIVE ANALYSIS WITH SEM IMAGES
Prof. Dr. Hatice KANBUR ÇAVUŞ Prof. Dr. Berna YAVUZ PEHLİVANLI	Yozgat Bozok University, Türkiye	CHARACTERIZATION OF RAW GRAPHITE ORE FROM THE KAYSERİ DEPOSIT: MORPHOLOGICAL AND STRUCTURAL ANALYSIS VIA SEM AND XRD
Duriye KÖK	Yorglass Endüstriyel Cam Sanayi Ticaret A.Ş., Türkiye	MULTI-REGIME THERMAL ANALYSIS OF LOW-E GLASS CONFIGURATIONS FOR COMPLIANCE WITH NEXT-GENERATION ENERGY EFFICIENCY REGULATIONS
Ayşe ÜSTÜNEL ÇAVUŞ Assist. Prof. Dr. Raşit SEZER	Karadeniz Technical University, Türkiye	AN INNOVATIVE PROCESS FOR THE PREVENTION OF MERCURY EMISSIONS AND RECOVERY OF VALUABLE MATERIALS FROM WASTE FLUORESCENT LAMPS

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HEAD OF SESSION: Dr. Duong To Quoc Thai

Authors	Affiliation	Presentation title
Muhammad Mohsin Sobia Naseem	Hunan University of Humanities, China	GLOBAL DYNAMICS OF RENEWABLE AND NON- RENEWABLE ENERGY CONSUMPTION: IMPLICATIONS FOR SUSTAINABLE ECONOMIC GROWTH
Dr. Duong To Quoc Thai Dr. Nguyen Van Luan	Dong Thap University, Vietnam	THE ACTIVITIES OF THE BANQUE DE L'INDOCHINE IN THE COAL MINING INDUSTRY IN VIETNAM DURING THE FRENCH COLONIAL PERIOD (1875–1945)
Sonde, R. Dimeji	Olabisi Onabanjo University, Nigeria	ASSESSING THE IMPACT OF ENERGY TRANSITION ON ROAD TRANSPORT EFFICIENCY IN DEVELOPING ECONOMIES
Mihaela Vlădescu Mihaela Oprea	National Institute for Economic Research "Costin C. Kirilăescu", Romania	ECONOMIC CAPACITY AND CLIMATE TRANSITION: THE REAL ROLE OF GDP
Ali Akbar Firoozi Ali Asghar Firoozi	University of Botswana, National University of Malaysia (UKM), Malaysia	SOLAR PV-BATTERY INTEGRATION WITH URBAN TRANSPORT CORRIDORS: CIVIL INFRASTRUCTURE DESIGN FOR LOW-CARBON MOBILITY
Ali Akbar Firoozi Ali Asghar Firoozi	University of Botswana, National University of Malaysia (UKM), Malaysia	IoT-ENABLED PUMPING AND DISTRIBUTION SYSTEMS FOR OPTIMIZING THE URBAN WATER-ENERGY NEXUS
Ali Akbar Firoozi Ali Asghar Firoozi	University of Botswana, National University of Malaysia (UKM), Malaysia	NANOMODIFIED AND BIO-BASED ASPHALT MIXTURES FOR ENERGY-EFFICIENT AND DURABLE PAVEMENTS
Ali Akbar Firoozi Ali Asghar Firoozi	University of Botswana, National University of Malaysia (UKM), Malaysia	MANAGING HAZARDOUS MATERIALS IN ENERGY- EFFICIENT BUILDING RETROFITS: A RISK-INFORMED CIVIL ENGINEERING APPROACH
Ali Akbar Firoozi Ali Asghar Firoozi	University of Botswana, National University of Malaysia (UKM), Malaysia	SITING UTILITY-SCALE RENEWABLE ENERGY FACILITIES ON MARGINAL AND BROWNFIELD LANDS: A MULTI-CRITERIA CIVIL ENGINEERING FRAMEWORK
Anna Piwowar Przemysław Jaszak Marcin Bieganski	Wroclaw University of Science and Technology, Poland	DESIGN OF GASKET SURFACES FOR IMPROVED SEALING PERFORMANCE

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HEAD OF SESSION: Prof. Dr. Reda Ghoname

Authors	Affiliation	Presentation title
Faiza Baghida	Moulay Ismail University, Morocco	THE STRUCTURAL, ELECTRONIC, AND THERMOELECTRIC CHARACTERISTICS OF Cu ₂ Se WERE EXAMINED THROUGH FIRST-PRINCIPLES CALCULATIONS BASED ON THE DFT-PBE METHOD
Prof. Dr. Reda Ghoname Rama Alharbi Rawan Alsubhi Malath Alhassan	King Abdulaziz University, Saudi Arabia	HYBRID ENERGY SYSTEM WITH A SMART GRID BY USING ARTIFICIAL INTELLIGENCE
Rajesh Jesudoss Hynes Navasingh Maciej Zdanowski	Opole University of Technology, Poland	SELF-HEALING INSULATING MATERIALS FOR HVDC POWER CABLES
Ratnottar Jigar Dr. Divyang Vyas	Atmiya University, India	AN INTEGRATED MACHINE LEARNING STRATEGY FOR ACCURATE SHORT-TERM HOUSEHOLD ELECTRICITY CONSUMPTION FORECASTING
Mounir BOUTARBOUCH Khadija El-Moustaqim Jamal MABROUKI	Mohammed V University of Rabat, Morocco Ibn Tofail University, Morocco	MECHANISTIC INSIGHTS AND CONTROL STRATEGIES FOR ELECTRODE PASSIVATION IN ELECTROCOAGULATION
Sheikh Tanvir Ahmed	Syracuse University, USA	SELF-RECONSTRUCTING HALIDE POLYMER INTERPHASES FOR DENDRITE-FREE SOLID-STATE LITHIUM-METAL BATTERIES
R . Kishore K . Vaishnavi S . Meenatchi V . Keerthana	Bharath institute of higher Education and research, India	ARTIFICIAL INTELLIGENCE IN ENERGY SYSTEM OPTIMIZATION
Orjiakor Chinaemelum Jude T.O. Daniel	Alex Ekwueme Federal University, Nigeria	RECENT ADVANCEMENTS IN SOLAR CELL TECHNOLOGIES
Chetachi Muokwe T.O. Daniel	Alex Ekwueme Federal University, Nigeria	ENERGY TRANSITION STRATEGIES: FROM FOSSIL FUELS TO RENEWABLES

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HEAD OF SESSION: Dr. Amoo Afeez Oladeji

Authors	Affiliation	Presentation title
Youssef Didi Zakaria El Fatouaki Rodouan Touti Rachid Ahfir Abdellah Tahiri Mohamed Naji Mohamed Idiri Abdelilah Rjeb	Mohamed Ben Abdellah University, Morocco Hassan II University, Morocco Mohammed VI Polytechnic University, Morocco	FIRST PRINCIPLES COMPUTATIONAL STUDY OF MgX₃H₈ (X = V and Fe) FOR HYDROGEN STORAGE APPLICATIONS
Dr. Le Tran Thanh Liem Bui Thi Bich Lien	Can Tho University, Vietnam	HARNESSING AGRICULTURAL AND FORESTRY RESIDUES FOR BIOMASS-BASED ELECTRICITY: OPPORTUNITIES, CHALLENGES, AND POLICY PATHWAYS IN ASIA
S. Deepak A. Palanisamy S. Kalaivanan Lavanya Babu C. Ravi K. Dinesh rajan	Bharath Institute of Higher Education and Research, India	BIOFUEL CELLS FOR POWERING WEARABLE AND IMPLANTABLE MEDICAL DEVICES
Dr. Amoo Afeez Oladeji	Federal University Dutse, Nigeria	TEMPERATURE OPTIMIZATION FOR ENHANCED ANAEROBIC CO-DIGESTION OF VEGETABLE WASTE WITH CATTLE RUMEN CONTENT: MAXIMIZING BIOGAS YIELD
Abdul Waheed Abdullah Shah Hashmi	Bahauddin Zakariya University, Pakistan	ANIMAL DUNG AS ALTERNATIVE FORM OF SOURCE OF METHANE GAS FOR DOMESTIC ENERGY SOURCE
Mohanapriya P Assoc. Prof. Dr. Chamundeeswari M	St. Joseph's College of Engineering, India	BIOENERGY FROM NANOBIODEGRADATION OF DISPOSABLE FACE MASKS USING SOIL MICROBIOME- A BIOECONOMIC APPROACH
Drifa YALAOUI-GUELLAL Lila HADIDI Messaad MOUDACHE	University of Bouira, Algeria	HARNESSING MICROBIAL BIOTECHNOLOGY FOR SUSTAINABLE ENERGY DEVELOPMENT AND ENHANCED ENVIRONMENTAL SUSTAINABILITY
Lila HADIDI Drifa GUELLAL-YALAOUI	University of Bouira, Algeria	Quercus ilex FRUIT SHELLS AS A RENEWABLE BIOMASS FOR SUSTAINABLE ENERGY APPLICATIONS
Chaimae Lamiri Jamal Mabrouki Khadija El-Moustaqim Ayoub Ghailane Younes Abrouki	Mohammed V University in Rabat, Morocco Ibn Tofaïl University—KENITRA, Morocco	GREEN HYDROGEN, AN AFRICAN RESPONSE TO THE CHALLENGE OF CLIMATE CHANGE

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HEAD OF SESSION: Assist. Prof. Dr. Kadriye Filiz BALBAL

Authors	Affiliation	Presentation title
Alireza Esmaeili JOBANI Assist. Prof. Dr. Şükrü Mustafa KAYA	Istanbul Aydın University, Türkiye	INTELLIGENT ENERGY CONSUMPTION PREDICTION USING IoT DATA: COMPARISON OF LSTM AND ML ALGORITHMS
Samet ÖZKÖK Atakan ÇALIŞKAN Meriç ÖZKAYA Assist. Prof. Dr. Kadriye Filiz BALBAL	Dokuz Eylül University, Türkiye	PROJECTION OF ARTIFICIAL INTELLIGENCE-BASED RENEWABLE AND SUSTAINABLE ENERGY RESEARCH
Res. Assist. Dr. Mert ÖKTEN	Manisa Celal Bayar University, Türkiye	SIMULATION-BASED ASSESSMENT OF GASIFICATION PERFORMANCE OF TURKISH COAL TYPES USING MATLAB
Dr. Kaan DEVECİ	Turkish German University, Türkiye	SHORT-TERM MACHINE LEARNING-BASED POWER FORECASTING FOR AN ONSHORE WIND FARM IN TURKEY
Dr. Kaan DEVECİ	Turkish German University, Türkiye	LightGBM-BASED DAY-AHEAD PRICE FORECASTING FOR THE TURKISH DAY-AHEAD ELECTRICITY MARKET
Elif YÜCESOY Assist. Prof. Dr. Hakan IŞIKER Assist. Prof. Dr. Gökhan YÜKSEK	Mersin University, Türkiye Batman University, Türkiye	EVALUATING THE PREDICTIVE CAPABILITY OF BOOSTING ALGORITHMS FOR DATA-DRIVEN WIND TURBINE POWER MODELLING
Assist. Prof. Dr. Gökhan YÜKSEK	Batman University, Türkiye	ATMOSPHERIC INFLUENCES ON PHOTOVOLTAIC POWER OUTPUT: ANALYSIS OF PERFORMANCE DEVIATIONS AND ENERGY LOSSES

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HEAD OF SESSION: Assist. Prof. Dr. Haluk KELEŞ

Authors	Affiliation	Presentation title
Assist. Prof. Dr. Haluk KELEŞ Prof. Dr. Yücel ÖZMEN	Karadeniz Technical University, Türkiye	INVESTIGATION OF CONVECTION HEAT TRANSFER EFFECTS IN IMPINGING SWIRL JETS CONFINED BY PLATES WITH DIFFERENT INCLINATION ANGLES IN HIGH PLATE SPACING
Assist. Prof. Dr. Haluk KELEŞ	Karadeniz Technical University, Türkiye	AN INVESTIGATION ON THE USE OF NICKEL ALUMINUM BRONZE MATERIALS IN HYDRAULIC FLOW MACHINES AND SANITARY APPLICATIONS: THEIR CONTRIBUTION TO SERVICE LIFE
Ekin Can KAYAR Ali ABDEL JAWAD Prof. Dr. Ünal ÇAMDALI	Ankara Yıldırım Beyazıt University, Türkiye	ENERGY AND ENTROPY ANALYSIS FOR MATERIAL DEFORMATION PROCESSES
Assist. Prof. Dr. Emrehan GÜRSOY Assist. Prof. Dr. Kemal KUVVET Assoc. Prof. Dr. Mehmet GÜRDAL Prof. Dr. Engin GEDİK	Recep Tayyip Erdoğan University, Türkiye Kastamonu University, Türkiye Karabük University, Türkiye	ENTROPY GENERATION ANALYSIS OF VARIOUS METAL FOAM MATERIALS: A NUMERICAL ANALYSIS ON MATERIAL TYPE ORDER, POROSITY, AND PORE DENSITY
Fatma Nur HERGÜL Prof. Dr. Ünal ÇAMDALI	Ankara Yıldırım Beyazıt University, Türkiye	ENERGY AND EXERGY ANALYSIS FOR TURBOJET ENGINE PERFORMANCE
Assist. Prof. Dr. Mehmet DOYMUŞ	Dokuz Eylül University, Türkiye	BIOMETHANE AS AN ALTERNATIVE MARINE FUEL: POTENTIAL, BENEFIT, AND BARRIERS
Dr. Rıfki BAYRAM İrem ÜMİT	Metallurji İnşaat Taah. San. ve Tic.Ltd.Şti., Türkiye	WAVE ENERGY

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HEAD OF SESSION: Asst. Prof. Dr. Reyhan ÖZEŞ ÖZGÜR

Authors	Affiliation	Presentation title
Asst. Prof. Dr. Reyhan ÖZEŞ ÖZGÜR	Istanbul Gelisim University, Türkiye	THE MACROECONOMIC EFFECTS OF CARBON REDUCTION POLICIES: A STUDY ON SWEDEN
Assist. Prof. Dr. Aynaz UĞUR	Inonu University, Türkiye	THE PROTECTION OF ENERGY INVESTMENTS IN INTERNATIONAL INVESTMENT LAW
Assoc. Prof. Dr. Perihan Hazel KAYA Prof. Dr. Coşkun KUŞ Mustafa ÇOKLU Assoc. Prof. Dr. Mustafa Göktuğ KAYA	Selçuk University, Türkiye Ministry of Treasury and Finance, Türkiye	ENERGY CONSUMPTION, RENEWABLE ENERGY AND ECONOMIC GROWTH: THE BRICS COUNTRY EXAMPLE
Prof. Dr. Erdal ARSLAN Muhammed Abdulkadir DEMET	Selçuk University, Türkiye	THE RELATIONSHIP BETWEEN GREEN GROWTH AND SUSTAINABLE DEVELOPMENT IN TÜRKİYE
Assist. Prof. Dr. İshak TURAN	Yalova University, Türkiye	PARADIGM SHIFT IN EUROPEAN ENERGY SECURITY: REPowerEU AND PHASING OUT RUSSIAN FOSSIL FUEL IMPORTS
Aykuş DERE Assit. Prof. Dr. İlkey GÜLER	Ankara Hacı Bayram Veli University, Türkiye	ARE THE RENEWABLE ENERGY RESOURCES SOLUTIONS FOR CURRENT ACCOUNT DEFICIT? AN EVIDENCE FROM SELECTED E7 COUNTRIES
Assist. Prof. Dr. Mehmet Serdar ÇELİK Assist. Prof. Dr. Gökçe TUĞDEMİR KÖK Assist. Prof. Dr. Elif KOÇ Assist. Prof. Dr. Duygu KALKAY	Bandırma Onyeddi Eylül University, Türkiye Mersin University, Türkiye	FINANCIAL RISKS OF ENVIRONMENTAL SUSTAINABILITY IN PORT AND TERMINAL OPERATIONS: ANALYSIS OF ENERGY PRICE VOLATILITY WITH THE GARCH MODEL 2
Assoc. Prof. Dr. Altuğ KARABEY Dilşad BATU	Van Yüzüncü Yıl University, Türkiye	EXPERIMENTAL INVESTIGATION OF HEAT TRANSFER USING SINGLE AND MULTIPLE AIR JETS IMPINGEMENT COOLING IN A FLAT PLATE
Prof. Dr. Seyfettin ERDOĞAN Prof. Dr. Durmuş Çağrı YILDIRIM Dr. Uğur ÇINAR	İstanbul Medeniyet University, Türkiye Tekirdağ Namık Kemal University, Türkiye	ENVIRONMENTAL DEGRADATION IMPLICATIONS OF PAKISTAN'S ENERGY PORTFOLIO: EVIDENCE FROM FOURIER APPROACHES

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HEAD OF SESSION: Assoc. Prof. Dr. Valbona Cinaj

Authors	Affiliation	Presentation title
Dr. Amirouche BOUAMER Res. Assist. Kamal SEDDA Res. Assist. Abdelkader SAFOU Dr. Faiza BENLAKHDAR	Research Centre in Industrial Technologies (CRTI), Algeria	STRUCTURAL, MORPHOLOGICAL, AND DIELECTRIC CHARACTERIZATION OF POLYVINYL ALCOHOL / CALCIUM TITANATE NANOCOMPOSITE
Faisal MUHAMMAD	University of Peshawar, Pakistan	KINETICS AND THERMO-CATALYTIC PYROLYSIS OF CITRUS WASTES IN PRESENCE AND ABSENCE OF NATURAL CATALYST PUMICE
Faisal Nazir	University of Agriculture, Pakistan	PRODUCTION AND CHARACTERIZATION OF CARBON NANOTUBES FROM BIOCHAR UNDER MICROWAVE IRRADIATION
Assoc. Prof. Dr. Valbona Cinaj Rebeka Ribaj	Albanian University, Albania	DEVELOPMENTS IN GREEN ENERGY: THE IMPACT ON THE DIGITALIZATION OF THE TRANSPORT SECTOR IN ALBANIA
Noshin Amina Rajsree Biswas Kaniz Fatema Bintey Patwary Shahid Ullah	International Islamic University Chittagong, Bangladesh	OPTIMIZING POWER GENERATION IN HYDROELECTRIC PLANTS USING AN IMPROVED HYDRAULIC TURBINE AND GOVERNOR MODEL
Mohammed Abdullah Ayoun Helena Khatoon	Chattogram Veterinary and Animal Sciences University, Bangladesh	INTEGRATED BIOPROCESS OPTIMIZATION FOR SUSTAINABLE BIOFUEL PRODUCTION FROM MICROALGAE
Ali Akbar Firoozi Ali Asghar Firoozi	University of Botswana, National University of Malaysia (UKM), Malaysia	AI-DRIVEN DIGITAL TWINS FOR ENERGY-EFFICIENT OPERATION OF CIVIL INFRASTRUCTURE CAMPUSES
Ali Akbar Firoozi Ali Asghar Firoozi	University of Botswana, National University of Malaysia (UKM), Malaysia	AI-DRIVEN DIGITAL TWINS FOR ENERGY-EFFICIENT OPERATION OF CIVIL INFRASTRUCTURE CAMPUSES
Ali Akbar Firoozi Ali Asghar Firoozi	University of Botswana, National University of Malaysia (UKM), Malaysia	LIFE-CYCLE ENERGY AND CARBON ASSESSMENT OF LOW-CARBON CONCRETE MIXTURES FOR STRUCTURAL APPLICATIONS
Dr. Musa R. Titus	University of Jos, Nigeria	AI FOR CLIMATE CHANGE MODELLING AND RENEWABLE ENERGY DEVELOPMENT

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HEAD OF SESSION: Georgiana Anamaria DUNĂ

Authors	Affiliation	Presentation title
Georgiana Anamaria DUNĂ Sorin Alin OPREA Maria-Magdolna MACULA	National Institute for Economic Research "Costin C. Kirițescu", Romania	SHAPING THE ECONOMY OF THE FUTURE: DIGITAL TRANSFORMATION, ENERGY TRANSITION AND REGIONAL CONVERGENCE
Daniel SANUSI Prof. Dr. James UHOMOIBHI	Veritas University, Nigeria Ulster University, UK	ARTIFICIAL INTELLIGENCE AS AN ACTUARIAL EQUALISER: ADVANCING ENERGY RISK ASSESSMENT AND EDUCATIONAL CAPACITY IN EMERGING ECONOMIES
Chanpreet Prof. Dr. Rajpal Singh Prof. Dr. Shalu Khanak Naiya	Maharshi Dayanand University, India	IMPACT OF GREEN MARKETING ON INVESTMENT IN RENEWABLE ENERGY FIRMS
F. N. Osuolale Prof. Dr. G. O. Tona Assoc. Prof. Dr. I. G. Adebayo Prof. Dr. O. O. Agbede	Ladoke Akintola University, Nigeria	INTEGRATING RENEWABLE ENERGY INTO NIGERIA'S ENERGY POLICY MIX – A REVIEW
Dr. Michael Sunday OLAYEMI Dr. Atabek MOVLYANOV Dr. Oluwamayowa Opeyimika OLAJIDE	Kogi State Polytechnic, Nigeria IKSAD Institute, Türkiye	ENERGY FINANCE SHOCKS AND CONDITIONAL VOLATILITY IN OIL-DEPENDENT ECONOMIES: A MULTIVARIATE DCC-GARCH ANALYSIS
Dr. Dorra TURKI	University of Sfax, Tunisia	ENERGY CONSUMPTION AND FISCAL–MONETARY INTERACTIONS IN TUNISIA
Dr. Ameni MTIBAA	University of Orléans, France	EXPLORING THE CO ₂ EMISSION EFFECTS OF FISCAL CONSOLIDATION: INSIGHTS FROM DEVELOPING COUNTRIES
Dr. Amir SAADAOU Dr. Ikram Ghamgui FRIKHA	University of Sfax, Tunisia	THE ROLE OF ESG PERFORMANCE IN SHAPING THE LINK BETWEEN CO ₂ EMISSIONS AND CREDIT RATING ANNOUNCEMENTS
Prof. Dr. Sunil Kumar Agrawal	People's University, India	A CASE STUDY ON THE EFFECTIVENESS OF THE FOSSIL FUEL INDUSTRY'S LOBBYING AND COMMUNICATION STRATEGIES

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HEAD OF SESSION: Prof. Dr. Skender DEMAKU

Authors	Affiliation	Presentation title
Prof. Dr. Skender DEMAKU Dr. Betim Ismajli Arbnorë Aliu Donika Sylejmani	University of Prishtina "Hasan Prishtina", Kosovo	DETERMINATION OF HEAVY METAL CONTAMINATION AND POLLUTION INDICES OF ATMOSPHERIC DUST IN TC "KOSOVA A&B", OBILIÇ-KOSOVO
Y. Ballout Y. El Miz H. El Harouachi D. Ahoudi M. Elgettafi R. Hakkou M. Loutou	University Mohammed first, Morocco Cadi Ayyad University (UCA), Morocco University Mohammed VI polytechnic (UM6P), Morocco	LOW CONSUMPTION ENERGY AND UNIFORM IRRADIATION THROUGH MICROWAVE CURING FOR THE SYNTHESIS OF IOT BASED GEOPOLYMERS
Yassine Ballout Mohammed Elgettafi Hanane El Harouachi Dounia Ahoudi Yassine El Miz Mohamed Loutou	Mohamed First University (UMP), Morocco Cadi Ayyad University (UCA), Morocco	FROM MINING TAILINGS TO ADVANCED MATERIALS: A REVIEW OF ACTIVATION TECHNIQUES AND GEOPOLYMER SYNTHESIS PATHWAYS
Prof. Assoc. Skender Demaku Muhamet Kiqina Arbnorë Aliu Donika Sylejmani	University of Prishtina "Hasan Prishtina", Kosovo	CHEMICAL ANALYSIS OF ATMOSPHERIC DUST AROUND THE KISHNICA AREA IN THE MUNICIPALITY OF GRACANICA
Rajaa Diany Mohammed Salah	Sultan Moulay Slimane University, Morocco Chouaib Doukkali University, Morocco	EXPLOITING SUNLIGHT WITH PORPHYRINS: A QUANTUM- CHEMICAL AND IMPEDANCE SPECTROSCOPY INVESTIGATION FOR DSSCs
A. Arif B. Boukili M. K. Atouailaa A. Aboulouard M. Boulghalat M. El idrissi	Sultan Moulay Slimane University, Morocco	QUANTUM-CHEMICAL INVESTIGATION OF NOVEL ORGANIC DYES FOR HIGH-EFFICIENCY DSSCs: A DFT/TD- DFT STUDY
Rajab Yahyazadeh Zahra Hashempour	Islamic Azad University, Iran	QUANTUM EFFICIENCY IN GaN/InGaN SOLAR CELLS UNDER HYDROSTATIC PRESSURE AND TEMPERATURE
Mohammed CHADLI Mohammed OUACHEKRADI Prof. Dr. Yasser KARZAZI	Mohamed 1st University, Morocco	DESIGNING HIGH-EFFICIENCY D-Π-A ORGANIC DYES FOR SOLAR CELLS: A DFT and TD-DFT INVESTIGATION OF ACCEPTOR VARIATIONS AND THEIR PHOTOVOLTAIC IMPACTS
Dr. Bishnu Pada Bose	Indian Institute of Technology Kharagpur, Kharagpur, India	INNOVATIVE PATHWAYS FOR CIRCULAR ECONOMY: REPURPOSING COAL MINE WASTE IN CONSTRUCTION MATERIALS

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HEAD OF SESSION: Assoc. Prof. Dr. Abdullah ÜZÜM

Authors	Affiliation	Presentation title
İlker Fatih GÜNGÖR Assoc. Prof. Dr. Abdullah ÜZÜM	Karadeniz Technical University, Türkiye	COMPARATIVE EVALUATION OF SINGLE AND DOUBLE HTL DESIGNS IN PEROVSKITE SOLAR CELLS
Sefer Altan ÇELTİK Assoc. Prof. Dr. Abdullah ÜZÜM	Karadeniz Technical University, Türkiye	PERFORMANCE ANALYSIS OF THINNER SILICON SOLAR CELLS FOR HIGH-EFFICIENCY PHOTOVOLTAICS
Dr. Ömer GÖNÜL	Turkish-German University, Türkiye	COMPARATIVE ANALYSIS OF MACHINE LEARNING AND DEEP LEARNING TECHNIQUES FOR SHORT-TERM SOLAR RADIATION PREDICTION
Mustafa Erkan GÖNÜL Prof. Dr. Engin KARATEPE	Ege University, Türkiye	VOLTAGE VARIATIONS IN DISTRIBUTION SYSTEMS CONSIDERING TIME-CORRELATED PHOTOVOLTAIC SYSTEM AND LOAD DYNAMICS
Assoc. Prof. Dr. Faruk UGRANLI Eşref DENİZ Kağan Berk TUNA Engin KARATEPE	İzmir Bakırçay University, Türkiye Entegro Enerji Sistemleri Ar-Ge Merkezi, Türkiye	GRID CODE COMPLIANCE OF PHOTOVOLTAIC POWER PLANTS CONSIDERING P-Q CAPABILITY CURVES
Assoc. Prof. Dr. Faruk UGRANLI Eşref DENİZ İsmail Eren DÖĞÜCÜ Engin KARATEPE	İzmir Bakırçay University, Türkiye Entegro Enerji Sistemleri Ar-Ge Merkezi, Türkiye	INFRARED THERMOGRAPHY BASED FAULT DETECTION IN PV POWER PLANTS: LIMITATIONS, TECHNOLOGICAL BOTTLENECKS, FUTURE RESEARCH PATHWAYS

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HEAD OF SESSION: Assoc. Prof. Dr. Veysel YILMAZ

Authors	Affiliation	Presentation title
Lect. Dr. Sinan GÜNEŞ Assist. Prof. Dr. Esra KESKİN	Ankara University, Türkiye	SUSTAINABLE FACILITY MANAGEMENT IN HIGHER EDUCATION: A SYSTEMATIC REVIEW OF RECENT ADVANCES AND FUTURE DIRECTIONS
Assist. Prof. Dr. Esra KESKİN Lect. Dr. Sinan GÜNEŞ	Ankara University, Türkiye	THE STRATEGIC ROLE OF FACILITY MANAGEMENT IN ACHIEVING SUSTAINABLE DEVELOPMENT GOALS
Assoc. Prof. Dr. Oğuzhan ERDOĞAN	Burdur Mehmet Akif Ersoy University, Türkiye	CLIMATE DIPLOMACY AND COP
Assoc. Prof. Dr. Veysel YILMAZ	Tokat Gaziosmanpasa University, Türkiye	TURNING POINT IN THE GLOBAL ENERGY TRANSITION: THE 2025 ENERGY REPORT CARD OF G20 COUNTRIES
Assoc. Prof. Dr. Veysel YILMAZ	Tokat Gaziosmanpasa University, Türkiye	TURKEY'S STRATEGIC RELATIONS WITH ITS NEIGHBORS IN ENERGY TRADE: IMPORTS AND EXPORTS DURING THE PERIOD 2016–2025
Dr. Ahmet SARNIÇ	Gendarmerie and Coast Guard Academy, Türkiye	INTER-INSTITUTIONAL COORDINATION IN THE PHYSICAL SECURITY OF NUCLEAR POWER PLANTS: A CRISIS AND RISK MANAGEMENT PERSPECTIVE
Asst. Prof. Dr. Burçin ULUĞ Hüseyin İNAL	Hasan Kalyoncu University, Türkiye	THE PROCESS OF EUROPEANISATION IN EUROPEAN UNION ENERGY POLICIES FOLLOWING THE RUSSIA-UKRAINE WAR: THE CASE OF GERMANY
Erol Emre SAYIL	Ankara Yıldırım Beyazıt University, Türkiye	REFLECTIONS OF THE 1973 OIL CRISIS IN CUMHURİYET NEWSPAPER

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HEAD OF SESSION: Assist. Prof. Dr. Mahmut TUĞLUER

Authors	Affiliation	Presentation title
Res. Assist. Ezgi AVCI Prof. Dr. Esmâ MIHLAYANLAR	Trakya University, Türkiye	INVESTIGATION OF INTEGRATION OF PHOTOBIOREACTOR (PBR) SYSTEMS TO BUILDING ENVELOPE
Assist. Prof. Dr. Olcay Türkan YURDUGÜZEL	Yozgat Bozok University, Türkiye	INNOVATIVE AND SUSTAINABLE HOUSING SOLUTIONS: ENERGY-EFFICIENT DESIGN APPROACHES FOR THE SOS 2024 COMPETITION
Assist. Prof. Dr. Mahmut TUĞLUER Assist. Prof. Dr. Mert ÇAKIR	Kahramanmaraş Sütçü İmam University, Türkiye	ASSESSMENT OF THE CURRENT STATUS OF URBAN GREEN SPACE AND CARBON STORAGE POTENTIAL IN TÜRKİYE
Assist. Prof. Dr. Mahmut TUĞLUER Assist. Prof. Dr. Sinan KORDON	Kahramanmaraş Sütçü İmam University, Türkiye	TÜRKİYE'S BLUE CARBON ECOSYSTEMS: ECOLOGICAL FUNCTIONS AND IMPORTANCE
Lect. Hülya ALGUR MARŞOĞLU Lect. Selin Rüya ÇAKIR	İstanbul Gelisim University, Türkiye	EVALUATION OF REFUNCTIONALIZED BUILDINGS IN TERMS OF SUSTAINABILITY AND ACCESSIBILITY: THE EXAMPLE OF RAMI LIBRARY
İsmail ÖZDEMİR Prof. Dr. Atilla BIYIKOĞLU	Gazi University, Türkiye	ENERGY OPTIMIZATION AND FEASIBILITY ANALYSIS OF CARBON CAPTURE AND STORAGE (CCS) SYSTEMS IN COAL-FIRED THERMAL POWER PLANTS UNDER CARBON PRICING SCENARIOS

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HEAD OF SESSION: Khadija MANHOU

Authors	Affiliation	Presentation title
Helal Uddin Touhidur Rahman Sajib Rasel Ahmed	Hajee Mohammad Danesh Science and Technology University, Bangladesh Multimedia University, Malaysia Rajshahi University of Engineering & Technology, Bangladesh	INTERNET OF VEHICLES (IOV)-BASED CYBERNETIC ROBOT OPERATION AND MONITORING SYSTEM ASSISTED BY RENEWABLE ENERGY
Helal Uddin Nur Alam Mondal	Hajee Mohammad Danesh Science and Technology University, Bangladesh	A BIM-CFD HYBRID WORKFLOW FOR COASTAL COMMUNITIES TO DESIGN WIND-RESILIENT ROOF STRUCTURES
Epheusus O. Fatunmbi	Federal Polytechnic, Nigeria	SIGNIFICANCE OF NONLINEAR THERMAL RADIATION AND ACTIVATION ENERGY ON FREE-CONVECTIVE MHD NANOFLUID FLOW OVER A STRETCHING DISK
Res. Assist. Bajram LEKA Prof. Dr. Astrit BARDHI Res. Assist. Ledio LUKU	Polytechnic University of Tirana, Albania	STUDY OF INSOLATED SYNCHRONOUS GENERATOR UNDER UNBALANCED LOAD CONDITIONS
Khadija MANHOU Houria DAKAK Rachid MOUSSADEK Abdelmjid ZOUAHRI Driss Hmouni	Ibn Tofail University, Morocco National Institute of Agricultural Research, Morocco International Center for Agricultural Research in Dry Areas (ICARDA), Morocco	ASSESSMENT OF SALINE IRRIGATION IMPACTS ON SOIL QUALITY AND DURUM WHEAT PRODUCTIVITY IN THE GHARB REGION: IMPLICATIONS FOR SUSTAINABLE WATER AND ENERGY MANAGEMENT
Shafiul Muznabin Al-Muttakin Suvo Rasidul Hassan Shikha Rani Shil	Pabna University of Science and Technology (PUST), Bangladesh	IMPACT OF CLEAN ENERGY POLICIES ON CO ₂ EMISSIONS: A COUNTRY-LEVEL REVIEW
Prof. T. B. Onifade Prof. G. O. Tona	Ladoke Akintola University of Technology, Nigeria	STUDY OF BIOCOAL PRODUCTION FROM CO-RESIDUES OF COCOA (<i>Theobroma cacao</i>) AND KOLANUT (<i>Cola nitida</i>) AS A SUSTAINABLE RENEWABLE ENERGY
Helal Uddin Touhidur Rahman Sajib Rasel Ahmed	Hajee Mohammad Danesh Science and Technology University, Bangladesh Multimedia University, Malaysia Rajshahi University of Engineering & Technology, Rajshahi, Bangladesh	GEO THERMAL ENERGY: ENGINEERING SUSTAINABILITY AND THE ENVIRONMENT
Dr. Vidya Sunil Kadam Dhanashri Nagappa Chandkoti Vaishnavi Manik Salgar	Rajarambapu Institute of Technology Rajaramnagar affiliated to Shivaji University Kolhapur, India	SOCIO-BEHAVIORAL DYNAMICS INFLUENCING SOLAR ENERGY ADOPTION IN THE RURAL CONTEXT OF WALWA TALUKA, SANGLI

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HEAD OF SESSION: Asoc. Prof. Dr. Sonila Sinjari

Authors	Affiliation	Presentation title
Xhulia BYGJYMI Pal NIKOLLI	University of Tirana, Albania	GIS-BASED ANALYSIS OF SPATIAL PATTERNS OF ACOUSTIC POLLUTION IN THE MUNICIPALITY OF TIRANA, ALBANIA
Denisa KUKAJ Assoc. Prof. Dr. Sonila SINJARI Xhesian BALILI	University of Tirana, Albania	GEOSPATIAL MONITORING OF AIR QUALITY IN TIRANA
Asoc. Prof. Dr. Sonila Sinjari Res. Assist. Oltion Pupi Asoc. Prof. Dr. Ferim Gashi	University of Tirana, Albania University of Prishtina, Kosovo	LEVERAGING LOCAL SOLAR RESOURCES IN A HYDROPOWER-DOMINATED SYSTEM: POLICY AND PLANNING LESSONS FROM THE DURRËS REGION (ALBANIA)
Habib Olaniyi ALIU Rotimi Jamiu OLASINA	Federal Polytechnic Iloro, Nigeria	A STREAMLINED MACHINE LEARNING METHOD FOR PREDICTING URBAN HEAT ISLAND INTENSITY IN NIGERIAN CITIES USING ENVIRONMENTAL AND DEMOGRAPHIC FACTORS
Manika Chaudhary Abhishek Kumar Verma	Central University of Punjab, India	ENERGY-FOOD NEXUS IN EMPTYING HIMALAYAS: RENEWABLE ENERGY GOVERNANCE, NFSA IMPLEMENTATION, AND ENVIRONMENTAL VULNERABILITY IN UTTARAKHAND'S GHOST VILLAGES
Dr. Desi SIANIPAR Sozanolo TELAUMBANUA	Universitas Kristen Indonesia, Indonesia Sekolah Tinggi Teologi Setia, Indonesia	FORESTS AS PEDAGOGICAL SPACES FOR ENERGY RESILIENCE: CHRISTIAN RELIGIOUS EDUCATION AND ECOLOGICAL CURRICULUM DESIGN IN POST-DISASTER INDONESIA
Babita Gupta	Integral University, India	THE POLITICAL ECONOMY OF DECARBONIZATION: CHALLENGES AND PATHWAYS IN RENEWABLE ENERGY TRANSITIONS
Muhammad Aminu Musa Ishaku Gunda Abdullahi Muhammad Abdullahi Gambo Nurudeen Arigu Muhammad	Kampala International University, Uganda Ahmadu Bello University, Nigeria	EVALUATING THE INFLUENCE OF PCM IN VARIOUS PARTS OF BUILDING ENVELOPES FOR ENERGY SAVING IN THE HOT DRY CLIMATE OF NIGERIA
Dr.Jogendra Kumar	GBPIET Pauri Garhwal Uttarakhand, India	WASTE MANAGEMENT FOR SUSTAINABLE ENERGY
Anik Biswas	Trine University, USA	PERFORMANCE ANALYSIS OF SOLAR PANEL EFFICIENCY UNDER DIFFERENT WEATHER CONDITIONS

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HEAD OF SESSION: Maria HARJA

Authors	Affiliation	Presentation title
Seyed Milad Mostafavi Zahra Ebrahimi	Iran University of Science and Technology, Iran	ENERGY PATHWAYS TOWARD DECARBONIZATION: UPGRADING GAS TURBINES FROM E-CLASS TO F-CLASS AND INTEGRATING HYDROGEN AS A CLEAN FUEL
Hannah Nathaniel Shamle Hulda Maxwell Davwet Asabe Edward Bash Clementina Hashimu Bulus	University of Jos, Nigeria	EFFECTS OF ENVIRONMENTAL EDUCATION ON THE USE OF ALTERNATIVE SOURCE OF ENERGY TO REDUCE THE DEPLETION OF ORGANIC MATTER IN PLATEAU STATE, NIGERIA
Lasha Kavelashvili Ketevan Gordeziani Zaal Tsinadze	Georgian Technical University, Georgia	WATER RESOURCES ENGINEERING AND MANAGEMENT IN GEORGIA
Piyush Kumar Mukesh Kumar	University of Delhi, India	HARVESTING POWER: NEXT-GENERATION TECHNOLOGIES FOR AUTOMOTIVE WASTE HEAT RECOVERY (WHR)
Lect. Muhammad Sajid Amin Assist. Prof. Dr. Muhammad Umer Quddoos Muhammad Akram Arslan Ahmad Siddiqi Assist. Prof. Dr. Muhammad Muzaffar Hameed	The Islamia University of Bahawalpur, Pakistan Bahauddin Zakariya University, Pakistan ConnecTech Private Limited, Pakistan	UNDERSTANDING THE DYNAMICS OF FINANCIAL AND ENVIRONMENTAL SUSTAINABILITY: A WAVELET EXPLORATION OF S&P 500 SUSTAINABILITY INDEX, DIGITAL CURRENCY BITCOIN, GOLD, AND CARBON EMISSIONS FUTURES
Masud Amran Sumel	Metropolitan University, Bangladesh	UNDERSTANDING THE ENVIRONMENTAL EFFECTS OF GLOBALIZATION: HOW TRADE AND INDUSTRY CONTRIBUTE TO CLIMATE CHANGE AND ECOSYSTEM LOSS
Diana HANGANU Diana HARJA Maria HARJA	Gheorghe Asachi Technical University of Iasi, Romania "Grigore T. Popa" University of Medicine and Pharmacy, Romania	OFLOXACIN PRESENCE IN THE ENVIRONMENT: TOXIC EFFECTS AND REMOVAL METHODS
Mihaela Fanache (Vasiliu) Alexandru Olaru Maria HARJA	Gheorghe Asachi Technical University of Iasi, Romania "Grigore T. Popa" University of Medicine and Pharmacy, Romania	VALORIZATION OF WASTE GLASS AS A STRATEGY FOR ENVIRONMENTAL PROTECTION AND THE PRODUCTION OF SUSTAINABLE COMPOSITE MATERIALS
Claudiu GOREA Maria HARJA	Gheorghe Asachi Technical University of Iasi, Romania	PHASE CHANGE MATERIALS: A SUSTAINABLE APPROACH TO ENERGY EFFICIENCY AND THERMAL ENERGY STORAGE
Loubna BELBEDJ Rachad MOUMNI Idriss BENLALLOUI Amor FEZZAN	University of Batna 2 Mostefa Benboulaid, Algeria University of Djelfa, Algeria Higher National School of Renewable Energies, Algeria	PI STRATEGY FOR STABLE OPERATION OF PV–WIND HYBRID SYSTEMS WITH DISO DC/DC CONVERTER

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HEAD OF SESSION: Assoc. Prof. Dr. Aysun ALTIKAT

Authors	Affiliation	Presentation title
Assoc. Prof. Dr. Aysun ALTIKAT	Iğdır University, Türkiye	HYDROGEN ENERGY PRODUCTION FROM WASTE: INTEGRATED APPROACHES TO SUSTAINABLE ENERGY TRANSFORMATION
Assoc. Prof. Dr. Aysun ALTIKAT	Iğdır University, Türkiye	THE EFFECT OF HEMP-BASED MATERIALS ON CARBON FOOTPRINT: LIFE CYCLE ANALYSIS IN BIOCOMPOSITE AND CONSTRUCTION INDUSTRY
Derya ÖZCAN Assoc. Prof. Dr. Şükrü Taner AZGIN	Erciyes University, Türkiye	ANALYSIS OF STRATEGIES TO REDUCE THE CARBON FOOTPRINT WITHIN THE SCOPE OF WASTE MANAGEMENT IN KAYSERİ USING THE WASTE REDUCTION MODEL (WARM)
Assist. Prof. Dr. Fadime SAĞLAM Assoc. Prof. Dr. Oytun Emre SAKICI Atilla IŞIK	Kastamonu University, Türkiye	A REVIEW OF STUDIES ON THE TEMPORAL CHANGE OF CARBON STOCKS IN TURKEY
Assoc. Prof. Dr. Oytun Emre SAKICI Assist. Prof. Dr. Fadime SAĞLAM	Kastamonu University, Türkiye	COMPARISON OF ABOVE-GROUND BIOMASS ALLOCATION IN SCOTS PINE STANDS ACCORDING TO VARIOUS ALLOMETRIC EQUATIONS: A CASE STUDY OF KASTAMONU FOREST ENTERPRISE
Prof. Dr. Hüseyin TOPAL Nesrin DOĞAN	Gazi University, Türkiye	THERMOECONOMIC ANALYSIS OF APPLICATIONS TO REDUCE CARBON FOOTPRINT IN COAL-FIRED THERMAL POWER PLANTS
Assoc. Prof. Dr. Tuğçe TEZEL Prof. Dr. Volkan KOVAN	Akdeniz University, Türkiye	ENVIRONMENTAL IMPACT OF ADDITIVE MANUFACTURING: ENERGY USE AND CO ₂ EMISSIONS IN A LIFE CYCLE FRAMEWORK
Assoc. Prof. Dr. Tuğçe TEZEL Prof. Dr. Volkan KOVAN	Akdeniz University, Türkiye	ADDITIVE MANUFACTURING IN RENEWABLE ENERGY SYSTEMS: 3D-PRINTED HEAT EXCHANGERS, COOLING STRUCTURES AND THEIR CONTRIBUTION TO ENERGY EFFICIENCY

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HEAD OF SESSION: Prof. Dr. Yücel ÖZMEN

Authors	Affiliation	Presentation title
İsmail Furkan DALDAL Assoc. Prof. Dr. Faruk UGRANLI	İzmir Bakırçay University, Türkiye	INVESTIGATION OF DC POWER FLOW MODELING UNDER HIGH WIND POWER PENETRATION
Assoc. Prof. Dr. İlyas KARASU Res. Assist. Sefa ŞAHİN	Samsun University, Türkiye	LAMINAR SEPARATION BUBBLE FORMATION ON FINITE AND INFINITE WINGS FOR VERTICAL AXIS WIND TURBINES
Dr. Kerim SÖNMEZ Res. Assist. Tekmile CÜREBAL Res. Assist. Aleyna AĞIRMAN KALCA Prof. Dr. Yücel ÖZMEN	Karadeniz Technical University, Türkiye	NUMERICAL INVESTIGATION OF FLOW AROUND BUILDING MODELS WITH MANSARD ROOFS OF DIFFERENT GEOMETRIES
Res. Assist. Tekmile CÜREBAL Prof. Dr. Yücel ÖZMEN	Karadeniz Technical University, Türkiye	NUMERICAL INVESTIGATION OF WIND EFFECTS AROUND SQUARE AND CIRCULAR CROSS-SECTION BUILDING MODELS
Dr. Kerim SÖNMEZ Prof. Dr. Yücel ÖZMEN	Karadeniz Technical University, Türkiye	NUMERICAL INVESTIGATION OF THE EFFECT OF DIFFUSER BLADE ANGLE ON CARBON DIOXIDE DISPERSION FROM VEHICLES IN VENTILATED ROAD TUNNELS
Ahmet Özkan KIRLI Assoc. Prof. Dr. Barış GÜREL Assit. Prof. Dr. Kadir ÖZDEMİR	Süleyman Demirel University, Türkiye Istanbul Health and Technology University, Türkiye	NUMERICAL INVESTIGATION OF A SAVONIUS WIND TURBINE WITH DIFFERENT BLADE OVERLAP DISTANCES
Eren Berk SAÇ Assoc. Prof. Dr. Sercan DOĞAN	Konya Technical University, Türkiye	OpenFOAM-BASED INVESTIGATION OF CORNER RADIUS EFFECTS ON THE FLOW OVER A SURFACE-MOUNTED SQUARE
Mehmet Efe GÖKTÜRK Prof. Dr. Ercan ERTÜRK	İstek Acıbadem Anatolian High School, Türkiye Bahçeşehir University, Türkiye	SYSTEM-LEVEL REVIEW AND PROTOTYPE CONCEPT FOR PASSIVE URBAN COOLING BY WIND CATCHERS, BERNOULLI SUCTION, AND EVAPORATIVE FLOW
Muhammed Ali TAŞ Erkan TUNÇ Prof. Dr. Mustafa Serdar GENÇ	Gaziantep University, Türkiye Erciyes University, Türkiye	ANALYSIS OF A NACA 0015 FLEXIBLE AIRFOIL

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HEAD OF SESSION: Prof. Dr. Murat YAZICI

Authors	Affiliation	Presentation title
Merve ÜNAL Prof. Dr. Murat YAZICI	Bursa Uludağ University, Türkiye	DEVELOPMENT OF SELF-HEALING HYDROGEL ELECTROLYTES FOR FLEXIBLE ENERGY STORAGE SYSTEMS
Merve ÜNAL Prof. Dr. Murat YAZICI	Bursa Uludağ University, Türkiye	A SYNERGISTIC TERNARY NANOCOMPOSITE ELECTRODE FOR NEXT GENERATION SUPERCAPACITOR
Lect. Dr. Metin TÜYSÜZ Assist. Prof. Dr. Önder CİVELEK	Karadeniz Technical University, Türkiye	EXPERIMENTAL EVALUATION OF THE PERFORMANCE OF CONSERVATION VOLTAGE REDUCTION (CVR) ON RESIDENTIAL LOADS AT VARIABLE VOLTAGE
Lect. Dr. Metin TÜYSÜZ Assist. Prof. Dr. Önder CİVELEK	Karadeniz Technical University, Türkiye	EXPERIMENTAL IDENTIFICATION OF ZIP MODELS FOR RESIDENTIAL LOADS USING HIGH-RESOLUTION MEASUREMENTS
Assist. Prof. Dr. Çağrı ALTINTAŞI	İzmir Demokrasi University, Türkiye	DETECTION AND CLASSIFICATION OF SPIKE EVENT WITH ARTIFICIAL GORILLA TROOPS OPTIMIZER ALGORITHM
Dr. Andi HIDA Prof. Dr. Rajmonda BUALOTI	Polytechnic University of Tirana, Albania	THE IMPACT OF INSTALLING A NEW POWER TRANSMISSION LINE IN THE DISTRIBUTION AREAS WITH HIGH VARIABLE RENEWABLE ENERGY
Mikail KOÇYİĞİT Res. Assist. Sinem KESKİN Res. Assist. Muhammed HATEM Prof. Dr. Mustafa Serdar GENÇ	Erciyes University, Türkiye	CFD ANALYSIS OF FLOW STRUCTURE AROUND NACA 0018 AIRFOIL IN A VERTICAL AXIS WIND TURBINE

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HEAD OF SESSION: Prof. Dr. Mir-Hassan Moosavy

Authors	Affiliation	Presentation title
GHAILANE Ayoub MABROUKI Jamal ABROUKI Younes Khadija El-Moustaqim Mounir Boutarbouch	Mohammed V University in Rabat, Morocco Ibn Tofail University, Morocco	BIOMASS ENERGY FOR SUSTAINABLE AGRICULTURE: CURRENT STATUS AND PERSPECTIVES
Orlinda SINANAJ Romina SINANAJ	University of Insurance and Finance, Bulgaria Municipality of Vlorë, Albania	THE LEGAL AND REGULATORY FRAMEWORK FOR RENEWABLE ENERGY: THE CASE OF ALBANIA
Saikot Hasan Akhi Akther	Bangladesh Agricultural University, Bangladesh University of Rajshahi, Bangladesh	SMART GRID AND RENEWABLE INTEGRATION: A GLOBAL STUDY ON ENERGY EFFICIENCY, SUSTAINABILITY, AND FUTURE CHALLENGES
Amina Yahia	Oum el bouaghi University, Algeria	TOWARDS ENERGY SUSTAINABILITY IN ALGERIA: OPTIMIZATION OF HYBRID AND RENEWABLE ENERGY SYSTEMS USING GEOGRAPHIC INFORMATION SYSTEMS (GIS)
Prof. Dr. Mir-Hassan Moosavy	University of Tabriz, Iran	ENERGY EFFICIENCY AND CARBON REDUCTION STRATEGIES IN FOOD COLD CHAIN SYSTEMS: IMPACTS ON SUSTAINABILITY
Dr. Alok Kumar Shrivastav Dhruba Shil Arnab De Milan Sasmal Gargi Roy Deboduyuti Upadhyaya	JIS College of Engineering, India	HYBRID INDUCTIVE-CAPACITIVE LCLC- COMPENSATED WIRELESS POWER TRANSFER SYSTEM WITH ADAPTIVE IMPEDANCE AND ALIGNMENT CONTROL FOR HIGH- POWER ELECTRIC VEHICLE CHARGING
Ana Tsulaia	Georgian Technical University, Georgia	THE POTENTIAL OF SMALL AND MEDIUM HYDROPOWER PLANTS FOR REGIONAL DEVELOPMENT
Abdelli Islam Safia Toumi Meriem Attouti Salima	Abdelhamid Ibn Badis University, Algeria	FROM METHANE EMISSIONS MONITORING TO RENEWABLE ENERGY CONVERSION IN ALGERIA'S MAJOR LANDFILLS
Ana-Maria CIOBOTARU Marian MARIN Alexandru-Sabin NICULA Emanuela-Adina NICULA Radu- Daniel PINTILII	University of Bucharest, Romania "Gheorghe Balș" Technical College, Romania Romanian Academy, National Institute for Economic Research "Costin C. Kirițescu", Romania	ROMANIA'S PATH TO ONE-THIRD RENEWABLES: OPPORTUNITIES AND CHALLENGES
Prof. Dr. Laura DIACONU MAXIM Prof. Dr. Cristian C. POPESCU Prof. Dr. Mihai-Bogdan PETRIȘOR	"Alexandru Ioan Cuza" University of Iasi, Romania	COST-BENEFIT ANALYSIS OF ENERGY-EFFICIENT TECHNOLOGIES IN SUSTAINABLE BUILDING DESIGN

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HEAD OF SESSION: Sabrina Roguai

Authors	Affiliation	Presentation title
Assist. Prof. Dr. PRASHANTA KUMAR MANDAL RAJAPRIYA E.	Vellore Institute of Technology, India	STUDY OF RADIATIVE HEAT TRANSFER ON CNT-WATER MHD NANOFLUID FLOW THROUGH A STRETCHING SURFACE: AN APPLICATIONS TO SOLAR ENERGY
Sabrina Roguai	Abbes Laghrour University, Algeria	DEVELOPMENT OF TIN OXIDE THIN FILMS DEPOSITED BY ULTRASONIC SPRAY PYROLYSIS FOR ENHANCED PHOTOVOLTAIC APPLICATIONS
Mohammed Ouachekradi Yasser Karzazi	Mohammed First University, Morocco	TERMINAL ACCEPTOR ENGINEERING IN D-A 1 -A 2 SMALL-MOLECULE DONORS TOWARD HIGH-EFFICIENCY ORGANIC SOLAR CELLS: INSIGHTS FROM DFT, TD-DFT, AND MOLECULAR DYNAMICS SIMULATIONS
Mouad Benaicha Youssef.Ech-Chine Mohammed El Goual	Mohammed First University, Morocco	NUMERICAL EVALUATION OF INNOVATIVE RIB GEOMETRY FOR BOOSTING HEAT TRANSFER IN SOLAR AIR HEATER DUCTS
Saeeda Mubashra Tanzeela Riaz	Government College University Faisalabad, Pakistan	METAL SULFIDE PHOTOCATALYSTS: PROGRESS AND CHALLENGES IN SOLAR ENERGY CONVERSION
Abdelali Laid Abed Zoulikha	University Djillali Liabes of Sidi Bel Abbes, Algeria	ASSESSMENT OF THE ZINC SULFIDE INSULATION LAYER'S IMPACT ON CIGS SOLAR CELL EFFICIENCY
Belarbi Faten	Abdelhamid Ibn Badis University, Algeria	ENHANCING THIN-FILM PHOTOVOLTAIC SUSTAINABILITY USING SPRAY-DEPOSITED Cu_2SnS_3 ABSORBERS
Brahim AZZIMANI Yasser KARZAZI	Mohammed First University, Morocco	THEORETICAL STUDY OF NEW D- π -A ARCHITECTURE ORGANIC MATERIALS FOR APPLICATION IN DYE-SENSITIZED SOLAR CELLS
Mohd Kaif Abdul Rehman Bhavani Singh Abdul Hannan	Aligarh Muslim University, India	THE IMPACT OF SOLAR POWER SETUP IN RURAL AREAS OF RAJASTHAN: A SOCIAL DEVELOPMENT PERSPECTIVE
Youssef Ech-chine Mohammed Jami	Mohammed 1st University, Morocco	NUMERICAL INVESTIGATION OF THERMO-HYDRAULIC PERFORMANCE IN SOLAR AIR HEATER DUCT WITH NOVEL RIB ROUGHNESS GEOMETRY

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Chaimae Lamiri Jamal Mabrouki Khadija El-Moustaqim Ayoub Ghailane Younes Abrouki	Mohammed V University in Rabat, Morocco Ibn Tofal University, Morocco	APPLICATIONS OF RENEWABLE ENERGIES IN SEAWATER DESALINATION
Ikram Mennas Prof. Dr. Mohammed El Idrissi	Sultan Moulay Slimane University, Morocco	DFT/TD-DFT BASED COMPUTATIONAL STUDY OF NON- FULLERENE ACCEPTORS FOR ENHANCED ORGANIC SOLAR CELLS
Francisco J. Rey	Universidade da Coruña, Spain	PUBLIC PERCEPTIONS OF THE ENERGY TRANSITION IN THE CONTEXT OF TECHNOLOGICAL INNOVATION
Sneha Ghosh Dr. Subhasis Roy	University of Calcutta, India	Ag-Doped WO ₃ /TiO ₂ PHOTOELECTRODE FOR EFFICIENT GREEN HYDROGEN PRODUCTION VIA PEC WATER SPLITTING
Atreyee Hazra Dr. Subhasis Roy	University of Calcutta, India	HYDROGEN PRODUCTION VIA SEAWATER SPLITTING USING NaSiCon MEMBRANES: A SUSTAINABLE APPROACH
Jacopo C. Alberizzi Abdelaadim Khriiss Aissa Kerkour Elmiad Mohammed Badaoui Massimiliano Renzi	Free University of Bozen - Bolzano, Italy Mohammed Premier University, Morocco	OPERATIONAL OPTIMIZATION OF BATTERY SWAPPING STATIONS WITH PHOTOVOLTAIC: A MILP-HEURISTIC COMPARISON
Sandeep Saini Prince Kumar Raghav Upadhyay	IEC College of Engineering and Technology, India	CLIMATE CHANGE MITIGATION AND ADAPTATION STRATEGIES: INTEGRATING POLICY, TECHNOLOGY, AND COMMUNITY ACTION FOR A RESILIENT FUTURE
BATE Hind KHARROU Mohamed Hakim BOUAMRI Hafsa JAFFAR Oumar EL KHALKI El Mahdi CHRHBOUNI Abdelghani	Mohammed VI Polytechnique University, Morocco	HYDROLOGICAL RESPONSE TO CLIMATE CHANGE IN A SEMI-ARID BASIN: A CASE STUDY OF THE TENSIFT WATERSHED (MOROCCO)
Bouchra Bourhabi Latifa Mouhir	Hassan II University, Morocco	ECO-BRICKS FROM DAM SEDIMENTS: A CIRCULAR SOLUTION FOR SUSTAINABLE CONSTRUCTION
Ishaku Michael Christopher	Federal University of Technology Minna, Nigeria	GREEN AND RESILIENT INFRASTRUCTURE: LOW-CARBON DESIGN AND DAYLIGHTING AS A NATURE-BASED SOLUTION FOR SUSTAINABILITY OF CHURCH ARCHITECTURE IN ABUJA, NIGERIA