



International Renewable Energy DAYS'24
May, 28-30, 2024
Marriott Hotel (Hall G), Bab Ezzouar, Algiers



IREnDays 2024 Conference Program

Tuesday, May 28, 2024

08h00 - 09h00	Registration and Welcome
09h00 - 09h30	Opening Ceremony Nouredine ABDELBAKI, CDER Director Ouahiba GUERRI, General Chair Mohamed BOUHICHA, General Director DGRSDT M. Kamel BADDARI, Minister MESRS
09h30 - 09h55	Keynote 01 Khaled IMESSAD, CDER: CDER, a historic key actor of RE development in Algeria
09h55 - 10h15	Honorary ceremony for former CDER Director, Dr Maiouf BELHAMEL
10h15 - 10h45	Keynote 02 Ryadh BOUDJEMADI, PNUD : Réflexions sur la transition énergétique en Algérie
10h45 - 11h15	Keynote 03 Sven SCHUPPENER, ONUDI: Global Clean Hydrogen Program
11h15 - 11h30	Coffee break
11h15 - 12h30	Talk sessions
Meeting room 1	Session 01: Solar and Wind Energy Conversion and Efficiency (Solar Photovoltaic Energy) <i>President : Djamilia Rekioua - Rapporteur: Amar Hadj Arab</i> ID-029: Amina Chahtou - Environmental Influences on Photovoltaic Module Performance along the Mediterranean Coast: Analyzing the Impact of Temperature, Wind, and Humidity ID-040: Yamina Boukraa - Separation and recovery of lithium, cobalt and nickel using acidic extractant ID-041: Issam Abadlia - Droop Controller of Parallel Inverters Using PI-Fractional Order with Artificial Neural Networks Optimization and Adaptation ID-046: Wassila Tercha - A Hybrid Model ANN-LSTM Architecture for PV Power Forecasting: A Review and Implementation ID-052: Kamel Kassa-Baghdouche - Real-time virtual instrumentation of NI MyRio and LabVIEW based PV panel characteristics ID-088: Ridha Hannat - Numerical study of a water cooling systems on a photovoltaic (PV) panel efficiency.
Meeting room 2	Session 02: Solar and Wind Energy Conversion and Efficiency (Solar Thermal and Geothermal & Energy Efficiency in Buildings) <i>President: Rachid Bennacer – Rapporteur: Amor Gama</i> ID-170: Wahiba Bendaikha - Thermal performance and Feasibility Study Using a Straw-Based Thermal Insulation in Geothermal systems ID-038: Amine Belkhir - Scalability Analysis of Solar Thermal Central Receiver plant for Combined Heat and Power generation. ID-140: Houda Tassoult - Preliminary Study of Thermal Performance of Linear Fresnel Concentrator Solar System. ID-167: Sabrina Lecheheb - Modelling and simulation of heat exchange in single-phase flow of nanofluids through the parabolic-trough collector's solar receivers. ID-204: Romaiissa Fillali - Numerical simulation of the thermal behavior of date palm concrete (DPC) wall

	<p>ID-180: Karoua Housseyn - Energy and exergy analysis of a parabolic trough ORC cycle for heat and power supply</p>
Meeting room 3	<p>Session 03: Renewable Energy Integration and Distribution into Power Grids/Smart Grids President : <i>Abdellah Kouzou – Rapporteur</i> : <i>Abdelhamid Kaabeche</i></p> <p>ID-147: Fella Tobbal - Experimental analysis of voltage quality at PCC of grid connected PV system ID-149: Mohammed Abdulelah Albasheri - Energy management using fuzzy logic for Residence Remote Area power supply. ID-104: Hocine Belmili - Micro-grids as an efficiency solution for sustainable agriculture development and climate changes impacts: Pest-control ontology diagram. ID-139: Nizar Benayad - Artificial Neural Network Speed Controller for Squirrel Cage Induction Motor Based On Direct Torque Control. ID-188: Nermine Khaoula - Modeling and Control of a Microgrid System Using Wind Turbine and Battery Energy Storage.</p>
Meeting room 4	<p>Session 04: Sustainable Hydrogen and Fuel Cells. President : <i>Abdellah Khellaf – Rapporteur</i> : <i>Faiza Mokhtari</i></p> <p>ID-022: Kamel Benyelloul - A first-principles study on structural, elastic properties of cubic and tetragonal Mg₂CoH₅ magnesium complex hydrides under pressure. ID-014: Jaroslaw Milewski - Using MCFC for capturing CO₂ from flue gases and delivering to Sabatier reactor for SNG synthesis. ID-206: Rafika Boudries - The degradation effects on the techno-economic performance of a PV-PEM electrolyzer hydrogen production. ID-091: Ouarda Heddad - Control of SYSFC-Boost by PI, PID and cascade control. ID-087: Hocine Terrab - Algeria Potential Transition to Hydrogen-based Energy: A comprehensive overview. ID-142: Abdelhamid Kaabeche - Opportunity and feasibility studies for the deployment of green hydrogen in Algeria.</p>
12h30-14h00	Lunch break
14h00-15h00	<p>Poster session 01 Committee President : <i>Djamila Rekioua</i> Committee members : <i>Toufik Rekioua – Nouredine Sahouane - Hocine Belmili – Mohamed Ouezzane- Mohamed Amine Larbi</i></p> <p>Renewable Energy Integration and Distribution into Power Grids/Smart Grids & Renewable Energy Storage & Sustainable Hydrogen and Fuel Cells. ID-221, ID-060, ID-072, ID-097, ID-098, ID-112, ID-120, ID-124, ID-172, ID-177, ID-211, ID-187, ID-212, ID-031, ID-100, ID-154, ID-073, ID-220, ID-222.</p>
15h00 -17h30 Conference room	<p>Discussion Panel & Talk sessions Panel 01: Renewable Energy: Regulation, strategy and standards Moderator : <i>Sarah Charif</i></p> <p>Abdelkrim CHENAK, CEREFÉ Fouzi BENZAID, Ministère de l'environnement et des EnR Chafika BEHLOUL, CREG Ikram BOURABA, SONELGAZ Merouane CHABANE, APRUE</p>
Meeting room 2	<p>Session 05: Renewable Energy Resources Assessment and Forecasting. President : <i>Sidi Mohamed Boudia – Rapporteur</i> : <i>Kacem Gairaa</i></p> <p>ID-071: Brahim Taoussi - Bimodal Mixture Weibull to Assess the Wind Power Potential at In-Salah, Algeria ID-082: Mohamed Amin Hellalbi - The potential of mixing model of wind speed distribution in Algeria high plateaus</p>

	<p>ID-215: Nadia Charif - A Wind Farm To Power An Eco-Friendly Desalination Station</p> <p>ID-203: Ahmed Rennane - IoT Weather Station Optimized for Energy Efficiency.</p> <p>ID-150: Abdelkader Ait Ouali - Geothermal reservoir temperatures estimation for some thermal springs in the northern central Algeria.</p>
Meeting room 4	<p>Session 06: Solar and Wind Energy Conversion and Efficiency Solar Photovoltaic Energy. <i>President : Toufik Rekioua – Rapporteur : Djamila Saheb Koussa</i></p> <p>ID-081: Fatima Remili - Fuzzy PID control of a DC/DC boost converter for renewable energy source.</p> <p>ID-141: Yahia Bakelli - A comparative study between autonomous photovoltaic systems sizing methods.</p> <p>ID-105: Mujammal Ahmed Hasan Mujammal- Implementation of Smart MPPT Strategy based on Fuzzy Logic Controller for Stand-Alone PV System.</p> <p>ID-134: Yahia Bakelli - Multi-objective Optimization of a PV/Wind/Diesel hybrid pumping system with water tank in the Adrar region.</p> <p>ID-195: Saci Taraft - Wind pumping with possibility to eliminate the power electronics bay</p>

Wednesday, May 29, 2024

Conference room	
09h00 - 09h45	<p>Keynote 04 Atif IKBAL, University of Qatar: Impact of EV penetration on Active Distribution network Integrity</p>
09h45-10h30	<p>Keynote 05 Rachid BENNACER, University of Paris Saclay: Sustainable Thermal management and Heat recovery</p>
9h45 – 11h00	<p>Meeting room 1</p> <p>Talk Session 07: Renewable Energy: Innovative Technologies and Materials. <i>President : Ridha BEN CHEIKH – Rapporteur : Madjid Tata</i></p> <p>ID-190: Abdelhamid Bouhelal - Multi-Objective Optimization and Aeroelastic Analysis of Small Wind Turbine Blades Made of Date Palm Fibers</p> <p>ID-065: Alann Andre - Circular management of decommissioned wind turbine blades: keeping the blade’s inherent value by prioritizing repurpose.</p> <p>ID-157: Zakarya Djelloul-Khedda - Parametric study using a semi-analytical model of a Flux-Modulated Permanent-Magnet Synchronous Machines dedicated to the domestic wind energy system</p> <p>ID-223: Daoud Hammane - LBM-GPGPU Simulation of the Flow Around a Circular Cylinder</p> <p>ID-216: Malika Kesrani - Damage Assessment of Sheet Molding Compound Composites</p>
10h30 - 11h00	<p>Poster session 02 <i>Committee President : Djamila Rekioua</i> <i>Committee members : Toufik Rekioua – Nouredine Sahouane - Hocine Belmili – Mohamed Ouezzane- Mohamed Amine Larbi</i></p> <p>Renewable Energy (RE) Resources Assessment and Forecasting & Solar and Wind Energy Conversion and Efficiency & Renewable Energy Integration and Distribution into Power Grids/Smart Grids.</p> <p>ID: 186, 191, 116, 125, 126, 130, 164, 224, 066, 027, 171, 182, 196, 001, 155, 111, 208, 217, 210, 018, 007, 132, 181</p>
11h00-11h15	Coffee break
Conference room 11h15-12h00	<p>Keynote 06 Mohamed OUZZANE, Blida University: Shallow Geothermal Energy Source for Efficient Air Cooling/ Heating in Buildings</p>
12h00-13h00	Lunch break group 1
11h15-13h00	Talk sessions
Meeting room 1	Session 08: Solar and Wind Energy Conversion and Efficiency (Solar Photovoltaic Energy)

	<p>President : Atif Iqbal – Rapporteur : Linda Hassaine</p> <p>ID-090: Mohamed Nader Amrani - Predictive direct power control of a grid connected photovoltaic system, associated with an active power filter.</p> <p>ID-034: Hakim Korichi - Optimisation of the back metallisation of monocrystalline Si solar cells using Ag/Al alloy deposited by PVD.</p> <p>ID-121: Fateh Ferroudji - Sustainability Analysis of a Bi-Axial Tracking System for a PV Platform.</p> <p>ID-053: Wissem Nasri - Optimizing Hybrid Perovskites for High-Efficiency Solar Energy.</p> <p>ID-068: Yassine Bouroumeid - Performance assessment of a Solar Photovoltaic Power Plant Connected to the Grid.</p> <p>ID-069: Asmaa Kermezli - Theoretical study of structural, electronic, elastic, optic properties of cubic perovskite KBeCl₃ compound.</p> <p>ID-168: Azeddine Chayab Draa - Numerical Simulation of Thermal and Dynamic Fields in Directional Solidification Crystal Growth of Multi-crystalline Silicon for Photovoltaic Solar Cells Industry.</p>
Meeting room 2	<p>Session 09: Solar and Wind Energy Conversion and Efficiency (Wind Energy) President : Arezki Smaili – Rapporteur : Ali Benmeddour</p> <p>ID-107: Ahmed Bekhti - Over a Small-Scale Vertical Axis Wind Turbine.</p> <p>ID-003: Ali Boudis - Passive flow control around a wind turbine airfoil using a leading-edge rod.</p> <p>ID-192: Abdelhamid Bouhelal - Integration and Validation of Actuator Line Method in Open FOAM for Aerodynamic Analysis of MEXICO Wind Turbine.</p> <p>ID-061: Abdessabour Amoura - Validation of a Hybrid Approach for Wind Turbine Noise Prediction using the Linearized Euler Equations.</p> <p>ID-063: Madjid Tata - Aerodynamic Performances of a Vertical Axis Wind Turbine Numerical Investigation of Turbulent Flow.</p> <p>ID-165: Hafida Daaou - Wind Turbine Wake Investigation using the Hybrid VBM-CFD method.</p>
Meeting room 3	<p>Session 10: Renewable Energy Desalination and Water Treatment & Alternative Fuels and Energy. President : Med Ali Djebiret – Rapporteur : Souad Bouafia</p> <p>ID-118: Sadek Igoud - Solar wastewater treatment of saline oily wastewater and design of a new containerized wastewater treatment system.</p> <p>ID-044: Fairouz Bakhouché - Valorisation of Algerian agro-wastes as renewable biofuels: Impact of using microwave-assisted method on lipid extraction.</p> <p>ID-135: Madina Kechkar - Conversion of glycerol into value-added products.</p> <p>ID-138: Insaf Tou - Electrochemical study of Enterobacter sp. strain isolated from an electroactive biofilm</p> <p>ID-144: Rhiad Alloune - Effect of ethanol and methanol blending on the yield of transesterification reaction of ester waste cooking oil.</p> <p>ID-219: Bachira Abada - Characterization of electrochemically active bacteria utilizing redox response in microbial electrolysis cell.</p>
Meeting room 4	<p>Session 11: Renewable Energy: Policy and Economics President : Said Diaf – Rapporteur : Djamilia Rekioua</p> <p>ID-174: Halima Mokrane-Derbal - Technical and Economic Study of the Storage System for a Solar Power Plant with parabolic trough Concentrators in the Ghardaïa Region.</p> <p>ID-123: Mezidi Ahmed - Providing electrical and thermal energy for a house in an isolated area in Algeria.</p> <p>ID-113: Nassima Oucher - Comparison of photochemical pollution by ozone and its precursors on a suburban and urban site in Algiers.</p> <p>ID-213: Abderrahmane Ziari - Evaluating Drought Severity and Trends in Northeast Algeria: A Comprehensive Analysis Using the Standardized Precipitation Index (ISSP).</p>
13h00-14h00	Lunch break group 2
13h30- 15h30	Talk sessions
Meeting room 1	<p>Session 12: Solar and Wind Energy Conversion and Efficiency (Solar Thermal and Geothermal) President : Mohamed Ouzzane – Rapporteur : Mohamed Amine Iarbi</p>

	<p>ID-169: Housseyn Karoua - Integration of Parabolic Trough Technology for Industrial Heat Processes in Algeria: Simulation and Optimization using TRNSYS and EES.</p> <p>ID-175: Fatima Zohra Ferahta - Flow rate impact on optimizing tube length in flat solar thermal collectors.</p> <p>ID-076: Iobna Recioui - Experimental study of solar box cooker preheated by an electric energy source.</p> <p>ID-214: Toufik Benmalek - Improvement of heat transfer within solar water heater's tubes (SWH) using nanofluids.</p>
Meeting room 3	<p>Session 13: Renewable Energy Storage. President : Rafika Khellaf – Rapporteur : Arezki Smaili</p> <p>ID-012: Ahmed Laouir - A Versatile Thermodynamic Cycle for Efficient Storage of Renewable Energy Using Liquid Air.</p> <p>ID-218: Akila Gherbi Djoudi - Energy Management Optimization in Lighting Systems: Illuminating the Path to Sustainability.</p> <p>ID-036: Assam Benbaha - An Experimental Study Analysis of The Suitability of Sensible Heat Storage Materials for Solar Cooking Under Algerian Sahara Conditions.</p> <p>ID-158: Abdenour Bouraba - Non-Edible Vegetable Oils and Non-Usable Synthetic Oils as Liquid-Sensible Heat Storage for Low-Temperature Solar Applications.</p> <p>ID-166: Fatima Zohra Mecieb - Exploring the Influence of Fin Configurations on PCM Melting within a Rectangular Enclosure through Numerical Simulation.</p>
15h00- 17h30	Discussion Panel & Talk session
Conference room	<p>Panel 02 : Artificial intelligence for Renewable Energy systems Moderator: Achour Mahrane</p> <p>Hacène BELBACHIR, USTHB Adel BELOUCHRANI, ENP Ahmed GUESSOUM, USTHB Abdelhamid M'RAOUI, CDER Abdelhamid KAABACHE, CDER</p>
Meeting room 2	<p>Session 14: Solar and Wind Energy Conversion and Efficiency (Energy Efficiency in Buildings) President : Rachid Bennacer– Rapporteur : Razika Kharchi</p> <p>ID-205: Sabrina Lehmil - Numerical simulation of the influence of PCM and DPC incorporation on the thermal insulation buildings.</p> <p>ID-179: Mohammed Laissaoui - Linear Fresnel collectors for Industrial process heat.</p> <p>ID-059: Ben Khadda Ben Ammar - The effect of marine sulfate attack on prefabricated concrete constructions.</p> <p>ID-153: Wassiaa Farah Mahmoudche - Study of thermal behavior of a radiant cooling ceiling in a house located in a south of ALGERIA (EL-OUED).</p>

Thursday, May 29, 2024

Conference room	
09h00 - 09h45	<p>Keynote 07 Ridha BEN CHEIKH, Ecole Nationale d'Ingénieurs de Tunis : Conversions énergétiques de biomasses.</p>
10h45 - 10h30	<p>Keynote 08 Ali BENMEDDOUR, NRC Canada: Sand Erosion and Ice Protection Research at NRC Canada</p>
10h30-10h45	Coffee break
10h45 - 11h15	Poster session 03
Hall	Committee President : Djamila Rekioua

	<p>Committee members : <i>Toufik Rekioua – Nouredine Sahouane - Hocine Belmili – Mohamed Ouezzane- Mohamed Amine Larbi</i></p> <p>Alternative Fuels and Energy & Renewable Energy Desalination and Water Treatment & Renewable Energy Policy and Economics.</p> <p>ID: 131, 137, 145, 160, 161, 176, 183, 039, 051, 009, 163, 159, 086, 108</p>
11h15 - 12h30	Awards and closing recommendation
12h30-13h30	Cocktail lunch



IREnDays'2024 - 28 May 2024
Poster Session 1 (14h00 - 15h00)
Renewable Energy Integration and Distribution into Power Grids/Smart Grids
Renewable Energy Storage
Sustainable Hydrogen and Fuel Cells

- ID-120: Djamila Ziani Rekioua** - Supervision of A Photovoltaic/Batteries For Stand Alone Applications
- ID-097: Alouache Benali** - Frequency control of an isolated microgrid based on PID controller tuned by Ziegler method and Genetic Algorithm
- ID-112: Saliha Boulahchiche** - Ramp Rate Control Techniques to Mitigate Fluctuations in Photovoltaic Solar Production
- ID-177: Sarah Bezir** - CFD Analysis of Enhanced Convective Heat Transfer in a Trombe Wall with Artificial Roughness
- ID-221: Hammou Tebibel** - Modeling and Simulation of an Off-Grid Hybrid Solar PV/Wind Turbine/Alkaline Electrolyzer/Fuel Cell Power System
- ID-060 : Sabrina Kaddour Brahim** - Simulation de production d'hydrogène solaire basée sur un système photovoltaïque - électrolyseur GPV-EL.
- ID-072: Mouffok Arezki** - Design and Optimization of Household Hybrid Renewable Energy Systems to Generate Sustainable Power in TIARET.
- ID-124: Ilyès Nouicer** - Algerian Solar Hydrogen Map
- ID-172: Fares Meziane** - Green Hydrogen and Ammonia Production from Offshore Wind Energy in the Arzew Region
- ID-211: Fatiha Lassouane** - Valorization of an Industrial Effluent for Sustainable Hydrogen Production via Electrochemical Process: Effect Study of Electrode Materials
- ID-212: Allal Babou** - Heat transfer enhancement in a large-scale Ti-Mn based metal hydride storage reactor with nanofluids using an open source CFD software
- ID-031: Fethia Amrouche** - Optimizing PEMFC Performance: A Comprehensive 25-Channel CFD Model Integrating Various Flow Field Channel Designs
- ID-100: Youcef Sahli** - Investigation, Analyse and Geometrical Optimization of the PEMFC Channel Path
- ID-154: Sarah Guenou** - The effects of temperature on solid oxide fuel cells.
- ID-073: Madjid Amani** - Towards Transition from Natural Gas to Green Energy Sources: A Roadmap for Converting Algeria's Gas-Fired Power Plants
- ID-098: Walid Rezig** - Diatomite modified iron-supported nanoparticles and their optical properties for photocatalytic degradation of industrial pollutants
- ID-220: Djamila Zioui** - Membrane Distillation For The Desalination Of Sea And Brackish Water.
- ID-222: Hanane Aburideh** - Modified cellulose acetate membrane used for rejection monovalents ions.

IREnDays'2024 - 29 May 2024
Poster Session 2 (10h30 - 11h00)
Renewable Energy (RE) Resources Assessment and Forecasting
Solar and Wind Energy Conversion and Efficiency
Renewable Energy Integration and Distribution into Power Grids/Smart Grids

- ID-186: Sabiha Kheder** - Feasibility Study of a Wind-Diesel Hybrid System in a Remote Site on Southern of Algeria
- ID-191: Samira Louassa** - AHP optimization method for windy site in costal Annaba region
- ID-116: Lakhdar Saihi** - Enhancing Harmonic Mitigation with ANFIS-Controlled SAPF Integrated with PV Solar
- ID-125: Djohra Saheb** - The Graphical interface of the behaviour of Autonomous PV system backed up by the Grid
- ID-126: Islam Bahloul** - The influence of the variation in the tilt angle of photovoltaic panels on the performance of a hybrid system.
- ID-130: Abdellatif Tahtah** - Robust Solar Tracking with Neural Network Predictive Modeling and Sliding Mode Control
- ID-164: Mebrouk Bellaoui** - Deep learning model for univariate time series forecasting of daily shortwave downward radiation in desert climate

ID-224: Tarek Benhassine - Development of a Cost-Effective Sensorless Wind Turbine Emulator for Assessing Optimal Torque Control Strategies

ID-066: Akram Gouaidia - Numerical modeling of two-dimensional flow around a shrouded wind turbine

ID-027 : Ahmed Youcef - Etude Numérique de L'écoulement D'air dans un Convertisseur Thermo-solaire avec des Chicane Transversales et inclines

ID-171: Fatima Zohra Ferahta - Optimization of greenhouse climate with solar heating systems.

ID-210: Amel Boulemtafes Boukadoum - On the industrial solar drying of tomatoes in Biskra: A preliminary study.

ID-182: Noureddine Benaouda - Evaluating the Feasibility of a Geothermal Dryer for Onion Drying in Northern Algeria.

ID-196: Tawfiq Chekifi - Thermo- Hydraulic performance Evaluation: Comparing Three Heat Transfer Fluids for Curved Tube Receivers

ID-001: Houcine Bentegri - Find the best way to reinforce compressed Stabilised earth blocks for durable development

ID-155: Sabrina Sami - Optimization of the Energy Efficiency of an Individual Housing in Béchar: Integration of Traditional Materials

ID-132: Fetta Danane - Unlocking the Potential of Used Cooking Oil for Biodiesel Production beyond Lab Scale.

ID-111: Fatiha Oudiai - Intelligent vision for improved photovoltaic power generation

ID-181: Yacine Benatallah - Enhancing PV Output Power Under Partial Shading: Implementation of a PSO-Based MPPT Technique

ID-208: Mohammed Cherif Ramdani - Numerical Simulations of Methylammonium Tin Iodide-Based Perovskite Solar Cells

ID-217: Mohamed Rida Bengourina - Predictive Current Control implementation of Stand Alone PV Inverter

ID-018: Youcef Bouhadda - First-principle study on the structural, electronic and mechanical properties of High Entropy Alloy TiZrFeRu for hydrogen storage applications

ID-007: Khaoula Ikhlef - Evaluating Thermal Storage Technologies for Enhanced CSP Parabolic Trough Performance in Algerian Solar Projects: A Techno-Economic Analysis

IREnDays'2024 - 30 May 2024
Poster Session 3 (10h45 - 11h15)
Alternative Fuels and Energy

Renewable Energy Desalination and Water Treatment
Renewable Energy: Policy and Economics

ID-131: Yamina Mounia Azri - Harvesting of microalgae using electrocoagulation process

ID-137: Lamia Kadir - Bio-valorization of Cow Dung for Green Renewable Energy

ID-145: Lilia Guetni - Energy recovery from four low-value date varieties

ID-161: Hamida Sefta - Exploring University Campus Restaurant Food Waste for Biogas and Hydrogen Production Potential

ID-176: Amel Ounnar - Production Assessment of Indigenous Microalgae Biomass Using Treated Wastewater as Growth Culture Medium

ID-183: Samira Zamiche - Microbial characteristics in anaerobic digestion process of wastewater for biogaz productio

ID-039: Yamina Boukraa - Modeling of the equilibrium concentrations in membrane contactors from linear distribution curves

ID-051: Yahia Ferdjani - Removal of methyl orange Dye from Aqueous Solutions using Kaolin-Supported zinc Nanoparticles as an Effective Catalyst

ID-009: Nabila Mouza - Utilizing Date Kernels as Renewable Adsorbents: A Sustainable Solution for Water Treatment and Waste Valorization

ID-163: Fella Naouel Allouche - Adsorption of Direct red 81 onto activated carbon prepared from olive stones: Equilibrium and kinetic studies.

ID-159 : Rachid Cheriti - Les défis, et les risques d'épuisement des matériaux critiques requis pour la transition énergétique

ID-086 : Chaima Ladjal - Impact des énergies renouvelables sur l'emploi en Algérie

ID-160: Nourdine Kabouche - On-Grid Hybrid PV/WT Renewable Energy System for Green Hydrogen Production

ID-108: Anissa Ghezloun - Algeria's contribution to global efforts to combat Climate Change