WaMEC 2025
Conference Program

PROGRAM OVERVIEW

Tuesday, November 11, 2025

15 :00-18:30	**Welcome and Registration of the Participants** (Faculty of Medicine- Agadir)

Wednesday, November 12, 2025

08:30 - 09:30	**Welcome and Registration of the Participants** (Faculty of Medicine- Agadir)
09:30 - 10:15	**Official Opening Ceremony**
10:15 - 10:50	**PL. 1: Prof. Lhoussaine BOUCHAOU, Ibnou Zohr University, Morocco** *New Technologies for Water Resources Management: Insights from Morocco* *Chairs : Mohamed TAKY, Noureddine BARKA, Fatima EL BAZ*
10:50 - 11:15	**Break/ Poster Session I / Stands visit**
11:15 - 11:50	**PL. 2: Prof. Renato FROIDEVAUX, University of Lille, France** *Enzyme Biocatalysis For Agro-Resources Valorization* *Chairs : Abdeslam LAMIRI, Siham MALLOUK, Abdellah LACHERAI*
11:50 - 12:25	**PL. 3: Prof. Mohamed TAKY, Ibn Tofail University, Kenitra, Morocco** *Desalination in Morocco: Strengths, Challenges and Research Opportunities* *Chairs : Mohamed ESSAHLI, Amina SOUDANI, Soulaiman IAICH*
12:30 - 14:30	**Lunch Break**
14:30 - 15:00	**PL. 4: Prof. Gabriela CARJA, Technical University "G. Asachi", Iasi-Romania** *Confinement of Very Small Metal Nanoparticles into the Layered Double Hydroxide Matrices for Sustainable Catalysis* *Chairs : Mohammed CHAFI, Saloua JEMJAMI, Mostafa CHHIBA*
15:00 - 15:30	**PL. 5: Prof. Bennetta KOOMSON, Kwame Nkrumah University of Science and Technology, Ghana** *Detoxification of Spent Cupels for Engineering Applications* *Chairs : Gabriela CARJA, Lahoucine ATOURKI, Souad HAIDA*
15:30 - 16:30	**Oral Session 1**
16:30 - 17:00	**Break/ Poster Session I / Stands visit**
17:00 - 18:30	**Oral Session 2**

Thursday, November 13, 2025

09:00 - 09:35	**PL. 6: Prof. Luigi RIZZO, University of Salerno, Italy** *Tertiary and quaternary urban wastewater treatment and reuse in Europe* *Chairs : Lahcen BAMMOU, Lhaj El Hachemi OMARI, Bennetta KOOMSON*
09:35 - 10:10	**PL. 7: Prof. Ahmed S. G. KHALIL, Fayoum University, Egypt** *Nanocomposite PES Membranes for Wastewater Treatment* *Chairs : Mohamed ABDENNOURI, Lahoucine ATOURKI, Mohamed CHIBAN*
10:10 - 10:40	**Break/Poster Session II/ Stands visit**
10:40 - 12:30	**Oral Session 3**
12:30 - 14:30	**Lunch Break**
14 :30-15 :00	**PL. 8: Prof. El-Houssaine ABLOUH, University of Mohammed VI Polytechnic, Morocco** *The Potential of Biodegradable Polymers in Developing Slow/Controlled Release Fertilizers* *Chairs : Fatima EL BAZ, Mourad ARABI, Saloua JEMJAMI*
15:00-15:30	**PL. 9: Prof. Sophie CERNEAUX, University of Montpellier, France** *Hydrophobic ceramic capillary membranes applied to desalination and oil removal applications* *Chairs : Abdallah HADFI, Noureddine BARKA, Rachid ELMOUBARKI*
15:30 - 17:00	**Oral Session 4**
17:00 - 17:30	**Break/Poster Session II/ Stands visit**
17:30 – 18:30	**Award Ceremony/ Conference Closing**

ORAL SESSIONS

Wednesday, November 12, 2025	Session 1	Time (GMT +1): 15:30 - 16:30

Plenary room: S1-T1-Water resources management and wastewater treatment

Chairs : Profs. LAOUINI Elmahjoub, BENAISSA Hicham, ELHALIL Alaaeddine

ID	Author and Presentation Title
KN11	**Prof. VLACHOGIANNI Thomais,** *MIO ECSDE - Athens, Greece.* *Navigating the Plastocene Era: A Comprehensive Approach to Tackling Marine Plastic Pollution*
654888	**O1- SCHIELE Marko,** *University Duisburg-Essen, Germany* *Natural flocculants in drinking water treatment as a competitive alternative to metal salts and polyacrylamide*
655324	**O2- ZIRAR Fatima-Ezzahra,** *Ibnou Zohr University, Agadir* *Investigation of the photocatalytic activity of graphene oxide and phosphorylated graphene oxide-based $BaTiO_3$ nanocomposites*
655621	**O3- IDRISSA AMANI Abdou,** *Université André Salifou de Zinder, Niger* *Impact of hygiene practices on the bacteriological quality of drinking water in plastic bag water production plants in Zinder*
666081	**O4- EL KHORCHI Rajae,** *Mohamed VI Polytechnic University, Benguerir* *Sulfated nano lignocellulose superabsorbent hydrogel synthesized via chemical functionalization*
664665	**O5- BAKKALI Karima,** *Ibn Tofail University, Kenitra* *Artificial neural networks for predicting nutrient removal and supporting nitrogen and phosphorus recovery in wastewater treatment plants*
666381	**O6- TAJAT Naoual,** *Ibnou Zohr University, Agadir* *Synthesis of eco-friendly $CaCO_3$@Zn-Al MMO core-shell nanoflowers photocatalyst using bio eggshell waste for improved photocatalytic degradation of RhB under visible light irradiation*
665548	**O7- SEBBANI Ikram,** *Moulay Ismail University, Meknes* *Integrated assessment of gravity dam stability- combining gravitational and geophysical approaches for safety and durability*

Room 1: S1-T2- Materials, nanomaterials, and their applications

Chairs - Profs. LABRAG Abdelaziz, CHHIBA Mostafa, SOUDANI Amina

ID	Author and Presentation Title
KN10	**DÍEZ SARABIA Aida María,** *University of Vigo, Spain* *Environmentally Friendly and Multifunctional Materials Synthesis for Pollutants Abatement and Hydrogen Generation*
655447	**O8- ADDANIAOUI Kaoutar,** *Sultan Moulay Slimane University, Béni Mellal* *Sustainable activated carbon-biopolymer materials- A feasible approach for pollutant removal from water*
653464	**O9- MBAYE Abdou,** *Université Assane Seck, Ziguinchor, Sénégal* *Mineralogical and geotechnical studies of clays from two clay sites in Boké (Guinea Conakry) with a view to their valorization in eco-construction*
657152	**O10- EL FAKIR Khadija,** *Chouaïb Doukkali University, El Jadida* *The influence of synthesis methods and experimental conditions on the photocatalytic properties of phosphate-based photocatalysts*
672151	**O11- EL QDHY Saadia,** *Ibnou Zohr University, Agadir* *AB113 dye Removal by CuMgAl-LDH: Adsorption Efficiency, Mechanism, and Regeneration via the "Memory Effect"*
665463	**O12- EL KHAMMASSI Khawla,** *University Ibn Tofail, Kenitra* *Electropolymerized PANI-TiO_2, composite coatings for enhanced corrosion resistance of AA6060 aluminum alloy in saline environments*
668723	**O13- BALKARD Bouchra,** *Ibnou Zohr University, Agadir* *Exploring the corrosion potential of three bio-based furan derivatives on mild steel in aqueous HCl solution*
666375	**O14- NADIF Iliass,** *Ibnou Zohr University, Agadir* *Synthesis of magnetic ternary Fe_3O_4@NiMgAl- LDH decorated polypyrole for the efficient organic herbicide Dichlorprop-P remediation from polluted water- comprehensive isothermal, kinetic study and DFT calculation*

Room 2: S1-T5- Renewable energies and climate change

Chairs : Profs. BOUCHTA Said, NAIT ALLA Abderrahman

ID	Author and Presentation Title
665962	**O15- DEMNATI Khadija,** *Ibnou Zohr University, Agadir* *Hybrid modeling and data bias a systematic review on climate risk prediction for agriculture in the face of climate change*

662464	**O16- EZZARAA Khadija,** *Sultan Moulay Slimane University, Beni Mellal* *Analysis of mixed convection and surface radiation in an inclined ventilated cavity subjected to lateral heating*
664374	**O17- LAMHADRI Samya,** *Hassan II University, Casablanca* *Geospatial analysis of climate change impacts on shoreline dynamics and Geomorphological change*
653999	**O18- BOUZELGHA Khawla,** *Sultan Moulay Slimane University, Beni Mellal* *Evaluation spatiotemporelle de l'érosion hydrique par approche géospatiale et observations de terrain - cas du bassin versant de l'Oued Lakhdar (Haut Atlas central, Maroc)*
662841	**O19- BOUMAHDI Laila,** *Mohamed VI Polytechnique University, Benguerir* *Circular economy approach to eco cement production using industriel by-product*
666035	**O20- BEN MOUMEN Imane,** *Agronomic and Veterinary Institute Hassan II, Rabat* *Consumer preferences for frozen bakery and pastry products in morocco- balancing food preservation and sustainability*
671717	**O21- ZOUBI Abdallah,** *Sultan Moulay Slimane University, Beni Mellal* *Comparing diary-based and online survey methods to identify the key drivers of household food loss and waste in Morocco*
Room 3:	***S1-T4- Valorization of natural resources***
Chairs : Profs. MAHJOUBI Fatima Zahra, ESSAHLI Mohamed	
ID	***Author and Oral Presentation Title***
685001	**O22- BOUSSETTA Oumayma,** *University Mohammed I, Oujda* *Extraction-Driven Variability in the Bioactive Potential and photochemical profile of Cannabis sativa L. Seeds*
655321	**O23- EL ASBAHANI Abdelhafed,** *Ibnou Zohr University, Agadir* *Etude phytochimique comparative et activité biologique de deux cultivards locaux de menthe du centre ouest du Maroc*
685004	**O24- ASAFAR Fatima,** *Cadi Ayyad University, Marrakech* *A critical review exploring phosphogypsum as a secondary resource of rare earth elements- techniques and recovery challenges*
654173	**O25- HAMDOUCH Zahira,** *Ibnou Zohr University, Agadir* *Assessment of compost quality from olive pomace- physicochemical evolution and phytotoxicity*
656877	**O26- HANAFI Fatima-Azzahra,** *Sultan Moulay Sliman University, Beni Mellal* *Isolation of new bioactive compounds from endophytic fungi of Adenophyllum*
664541	**O27- MOUSTAPHA MAMAN Mounirou,** *Abdou Moumouni University, Niamey, Niger* *Valorization of biodigester digestates to enhance tomato productivity and sustainability in a research station in Niger*
666056	**O28- OUAADIDY Touria,** *Ibnou Zohr University, Agadir* *Eau de mer dessalée - une alternative aux ressources hydriques conventionnelles pour une agriculture résiliente dans un contexte de changement climatique*

Wednesday, November 12, 2025	***Session 2***	***Time (GMT +1): 17 :00 – 18 :30***
Plenary room:	***S2-T1- Water resources management and wastewater treatment***	
Chairs - Profs. BEN AZZA Said, ELHALIL Alaaeddine, HADFI Abdallah		
ID	***Author and Presentation Title***	
685007	**O29- EL MOUBARKI Rachid,** *Sultan Moulay Slimane University, Beni Mellal* *Using Yellow Nightshade as a Green Adsorbent for the Removal of Synthetic Dyes in Wastewater Treatment*	
655313	**O30- AIT HSSI Abderrahim,** *Hassan II University, Casablanca* *Influence of Mg content on tailoring optical properties of ZnO nanorods prepared by electrodeposition method*	
665854	**O31-MALAM Abdou Moussa,** *Université André Salifou de Zinder, Niger* *Evolution des études sur l'eau et de leurs implications sur l'aménagement des ressources en eaux de surface au Niger*	
666182	**O32- IFAKKOU El Ismaili,** *University Ibn Tofail, Kenitra* *La qualité physico-chimique et bactériologique des eaux pluviales "Eau de Ghdir" consommés par la population de Laãyoune (Sud du Maroc)*	
664867	**O33- CODREANU Ana-Maria Nicoleta,** *National University of Science and Technology Politehnica, Bucharest, Romania* *Preliminary studies regarding cross-linking of smart fertilizers with sodium alginate*	
662316	**O34- IDLAHCEN Abderrahim,** *Ibnou Zohr University, Agadir* *Combination of coagulation-flocculation and electrocoagulation processes for the treatment of leachates from Agadir landfill sites*	
654545	**O35- JAIT Lhoussaine,** *Moulay Ismaïl University, Meknes* *Spatio-temporal dynamics of bacterial contamination in tamalout dam waters*	

685013	**O36- SBAHI Sofyan,** *Ibnou Zohr University, Agadir* *Machine learning-driven optimization of phosphorus removal in nature-based treatment systems.*
668158	**O37- BOUMYA Wafaa,** *Sultan Moulay Slimane University of Beni Mellal* *Electro-Fenton degradation of Auramine O using titanium-based catalysts- An experimental and theoretical study*
663601	**O38- ASSOUANI Abdallah,** *Ibnou Zohr University, Agadir* *Characterization and analysis of groundwater in the study area of the Taroudant region, detection of pollution sources, and removal of nitrate ions using different materials*
669316	**O39- SENTURK Berkant,** *Ege University, Institute of Nuclear Sciences, Izmir-TÜRKİYE* *Green-synthesized mushroom-derived Ce and N-doped carbon quantum dots for sustainable lanthanum removal from water*
669330	**O40- GUL TAHA Furkan,** *Ege University, Institute of Nuclear Sciences, Izmir-TÜRKİYE* *Evaluation of the selectivity performance of ZIF-8 for Uranium removal from aqueous solutions*
662939	**O41- EL OUALI Ouijdane,** *Mohammed V University, Rabat* *Nature-based purification of rice drainage water- evaluating the role of native wetlands in sustainable pollutant removal*
654980	**O42- JANAH Nada,** *Sultan Moulay Slimane University, Beni Mellal* *Unlocking green finance for water resilience- the case of hydraulics smes in morocco*
672523	**O43- TAOUIHRI Safae,** *University Sidi Mohamed Ben Abdellah, Fez* *Numerical simulation of the SIR and, Monod models used in biology*
665435	**O44- HOUMMASS Fahd**, *Hassan II University, Casablanca* *TiO_2-doped snail shells as photocatalysts for the degradation of organic pollutants in water*
664042	**O45- AIT YAHIA Walid,** *Sultan Moulay Slimane University, Beni Mellal,* *Survey on work practices and digital transformation in olive oil processing units- the case of Beni Mellal province*
653033	**O46- BOUSSIF Walid,** *Sultan Moulay Slimane University, Beni Mellal* *Assessment of antibiotic use practices in dairy farming a cross-survey of farmers and veterinarians in Beni Mellal region*
685037	**O47- S. Houmani**, *Sultan Moulay Slimane University, Beni-Mellal* *Adsorption Mechanism of Methyl Orange on MgAlCO3 Layered Double Hydroxide via Computational Modeling*
685038	**O48- ZAOURI Wafaa**, *University Sidi Mohamed Ben Abdellah, Fez* *Preparation and Characterization of Cellulose Nanocrystals for Efficient Cationic Dyes Removal*
685039	**O49- OSMANE Ahmed**, *Ibnou Zohr University, Agadir* *Predicting pathogen indicator removal in municipal wastewater under arid conditions using Multiple Linear Regression*
685019	**O50- BADDOUH Ali,** *NT2E, Casablanca* *Stratégies avancées pour la gestion des problématiques techniques dans les systèmes de dessalement de l'eau*
662904	**O51- ABOUSSABEK Abdelali,** *Ibnou Zohr University, Agadir* *Investigation of thorium adsorption on montmorillonite clay: kinetic, isotherm, and recovery assessment*
Room 1:	***S2-T2- Materials, nanomaterials, and their applications***
Chairs - Profs. EL IBRAHIMI Brahim, AZIAM Rachid	
ID	***Author and Presentation Title***
654539	**O52- ELYAAKOUBY Yassine,** *Moulay Ismaïl University, Meknes* *Data-Driven Fouling membrane Prediction for Reverse Osmosis Plants- The Case of Zagora, Morocco*
655166	**O53- LAGDALI Salek,** *Ibnou Zohr University, Agadir* *Low-cost ceramic membranes- manufacturing techniques and water treatment applications*
663834	**O54- ES SELLAMI Smail,** *Hassan II University, Casablanca* *Bacteriological analysis of Oued Oum Er-Rbia water- Evolution and impact on quality and osmosis membrane*
666277	**O55- ES-SABRY Othmane**, *Mohamed VI Polytechnic University, Benguerir* *CFD simulation of baffle-driven improvement in Membrane distillation- The case of Direct-Contact Membrane Distillation configuration*
655170	**O56- MOUKHLESS Youssef,** *Ibnou Zohr University, Agadir* *Study of sodium-ion intercalation and deintercalation into $FePO_4$ using electrochemical techniques*
666065	**O57- ABOUHAJJOUB Dikra,** *Hassan II University, Casablanca* *Perovskites in Advanced Oxidation Processes- Focus on Fenton and Fenton-like Catalysis for Wastewater Treatment*
665950	**O58- ELBAZA Hamza,** *Mohammed VI Polytechnic University, Benguerir* *Biopolymers-Functionalized Amorphous Calcium Phosphate- In Situ Synthesis, Mechanical and Biological Properties*
685033	**O59- BELASRI Abdessamad,** *Faculty of Sciences, Ibnou Zohr University, Agadir* *Theoretical structural study of van der Waals complexes between oxazole and atmospheric gases CO2 and N2 for capture applications*

670799	**O60- CHARAFI Samira,** *Sultan Moulay Slimane University, Beni Mellal* *Optimization of photocatalytic degradation of amoxicillin by ZnO-TiO2, heterojunction under UV-Visible irradiation*
655985	**O61- AASLI Brahim**, *Ibnou Zohr University, Agadir* *Synthesis of urea formaldehyde resin@ZnO composite for the removal of Congo red from an aqueous solution*
665865	**O62- AMRANI Amina,** *University Mohamed I, Oujda* *Hybrid alginate-clay systems for efficient adsorption of hydrophobic organic pollutants*
653052	**O63- IMJJAD Abdallah,** *Ibnou Zohr University, Agadir* *Theoretical contribution to the study of mild steel corrosion inhibition by Dopamine derivatives in HCl solution - DFT study and adsorption mechanism*
685015	**O64- ACHLAIH Abdeslam,** *Ibnou Zohr University, Agadir* *Adsorptive removal of orange g dye from aqueous solution using Zn-based layered double hydroxide (Zn-LDH)*
Room 2:	***S2-T5- Renewable energies and climate chang***
Chairs - Profs. EL BAZ Fatima, ARABI Mourad	
ID	***Author and Presentation Title***
665768	**O65- CHERAS Ikram,** *Mohamed VI Polytechnique University, Benguerir* *Electrodeposition under magnetic field of cobalt hydroxide electrodes for improved oxygen evolution reaction efficiency.*
666274	**O66- ERRAIHANI Kaoutar,** *Mohamed VI Polytechnique University, Benguerir* *Turning waste into resource- phosphate recovery from tailings using desliming, attrition and reverse flotation*
685022	**O67- Lilian Akpene Diaba,** *Kwame Nkrumah University of Science and Technology, Kumasi, Ghana* *Synthesis and characterisation of pure PbO from fire assay waste cupels via leaching using acetic acid*
665877	**O68- OUBAALI Laila,** *Ibnou Zohr University, Agadir* *Assessment of the carbon footprint of urban public lightening in the city of Agadir*
653835	**O69- MEDAH Mohamed,** *Sultan Moulay Slimane University, Beni Mellal* *Apport de Google Earth Engine à l'analyse de la sécheresse à travers les indices NDVI et NDWI - application à la région de Béni Mellal-Khénifra*
655581	**O70- ABOU-ELFATH Zaina,** *Ibnou Zohr University, Agadir* *Numerical study of optimizing energy performance through mixed convection using nanofluids- impact of partial heating, thermal gradient and nanoparticle volume fraction*
655323	**O71- KOUCHRAD Ikhlass,** *Sultan Moulay Slimane University, Beni Mellal* *Bibliometric analysis of climate resilience research- trends, indicators, and conceptual approaches*
655555	**O72- ZOUKENI Brahim,** *University of Sultan Moulay Slimane, Béni Mellal* *Impact of Climate Change on Temperature in the Guir-Ziz-Gheris Basin- a Statistical Perspective*
666382	**O73- EL ALAMI EL KAMOURI Habiba,** *Hassan II University, Casablanca* *Analyzing urban methane and nitrogen dioxide patterns using google earth engine- a satellite-based assessment of traffic data in Casablanca*
670330	**O74- LOULIDI Ilyasse,** *Moulay Ismail University, Meknes* *Understanding the adsorption mechanisms of crystal violet and hexavalent chromium on spent coffee grounds- insights into adsorbent-adsorbate interactions*
663443	**O75- NAJI Aya,** *University Sidi Mohamed Ben Abdellah, Fez* *Scientific Valorization of Moroccan Propolis- A Natural Resource with Therapeutic Potential*
668009	**O76- EL HAJJAMI Kaoutar,** *University Mohamed I, Oujda* *Phytochemical and Antioxidant Analysis of the Essential Oil and Infusion of Ptychotis verticillate*
654628	**O77- BECHAR Siham**, *Mohammed V University, Rabat* *Exploration of phenolic compounds in moroccan olive and almond oils- hplc-uv-ms approach*
669147	**O78- BOUZAR Zakaria,** *Sultan Moulay Slimane University, Beni Mellal* *Extraction and comparative characterization of pectins from four citrus fruits- (Citrus aurantium, Citrus limon, Citrus sinensis, and Citrus paradisi)*
664048	**O79- BOUZAR Hafsa,** *Sultan Moulay Slimane University, Beni Mellal* *Valorization of low-commercial quality dates for natural vinegar production- a sustainable approach to resource preservation*
Room 3:	***S2-T4- Valorization of natural resources***
Chairs - Profs. EL ASBAHANI Abdelhafed, EL AJLAOUI Rahhal	
ID	***Author and Oral Presentation Title***
685005	**O80- MOUJANE Abdelaziz,** *Sultan Moulay Sliman University, Beni Mellal* *Impact of climate change on Phoenician juniper (Juniperus phoenicea) mortality and dieback in the High Atlas Mountains of Morocco*

655606	**O81- EL CADI Asmae,** *Abdelmalek Essaâdi University, Tangier* *Characterization of organic lipid fractions in soil from tangier's landfill*
685031	**O82- ZERBET Ilham,** *Faculty of Sciences, Ibnou Zohr University, Agadir* *Characterization and Valorization of Moroccan Vachellia raddiana Gum- Effect on the Postharvest Quality and Shelf-life of Fresh Figs (Ficus carica L.)*
685000	**O83- AMRANI Nouhaila,** *University Mohamed I, Oujda* *Chemical composition and antioxidant properties of piper nigrum seed essential oil- insights from phytochemical and GC/MS analyses*
655691	**O84- ASSENDAL Hakima,** *Ibnou Zohr University, Agadir* *From waste to resource- comprehensive biological, physico-chemical, and morphological characterization of agricultural waste biochars to promote circular economy*
655523	**O85- SAHIL H'anane**, *Ibnou Zohr University, Agadir* *Evaluation of two biochars from agricultural residues- biological, physicochemical, and morphological properties*
666037	**O86- SGUILLAR Mohamed,** *Abdelmalek Essaadi University, Tangier* *A novel biosorbent-based marine macroalgal biomass for efficient removal of TB and BY-28 dyes-contaminated waters*
671712	**O87- ALLAM Ilham,** *Université Hassan II, Casablanca* *Durable bio-based flame-retardant coatings for cotton fabrics using phosphorylated starch and wool powder*
666068	**O88- KHARIFI Omar,** *Sultan Moulay Slimane University, Beni Mellal* *Optimization of coagulation-flocculation efficiency using a bio-flocculant produced from cactus cladodes "Opuntia ficus-indica" for water treatment*
666072	**O89- AQIL Oumaima,** *Hassan I University, Settat* *Turning industrial waste into value- physico-chemical characterization for environmental applications*
685035	**O90- EL GHANJAOUI Meryem**, *University Sidi Mohamed Ben Abdellah, Fez* *Eco-friendly synthesis of copper oxide nanoparticles using Stipa tenacissima L. extract- Optimization and application for textile dyes degradation*
685036	**O91- M. Elmouftari**, *Sultan Moulay Slimane University, Beni-Mellal* *Determination of the adulteration of pomegranate seed oil by FTIR combined with Chemometrics*
664305	**O92- BOUKARMA Latifa,** *Ibnou Zohr University, Agadir* *Adsorption of Thorium Ions from Aqueous Solution Using Macroalgae-Based Sorbents*
663842	**O93- AZIAM Rachid,** *Ibnou Zohr University, Agadir* *Environmentally engineered biopolymer clay composite for phosphate removal: insights from RSM and AI modeling.*

Thursday, November 13, 2025	***Session 3***	*Time (GMT +1) : 10 :40 – 12 :30*

Plenary room: S3-T1- Water resources management and wastewater treatment

Chairs - Profs. HADFI Abdallah, QOURZAL Samir, ELMOUBARKI Rachid

ID	Author and Presentation Title
660729	**O94- BOUBNANE Yousra,** *Mohamed V University, Rabat* *Kinetic modelling, thermodynamics and mechanisms of dye adsorption on biochar produced agricultural waste sample*
666241	**O95- AMMAYEN Imane**, *Ibnou Zohr University, Agadir* *Enhancing soil quality and crop productivity through co-composting of agricultural waste and marine by-products*
663967	**O96- EL -HABACHA Mohamed,** *Ibnou Zohr University, Agadir* *Comparative adsorption study of cristal violet on raw, calcined, and base-modified clay under static and dynamic regimes*
658192	**O97- AGNAOU Hafida,** *Higher School of Technology, Hassan II University, Casablanca* *Experimental study on the adsorption capacity of layered double hydroxides for textile dye removal*
655174	**O98- RAIS Aya,** *Ibnou Zohr University, Agadir* *Electrical conductivity and nitrate as indicators of spring water quality in Morocco*
664696	**O99- ERRAJI Fatima Zahra,** *Ibnou Zohr University, Agadir* *Adsorption of methylene blue by by-products from the fish freezing industry*
666069	**O100- FTOUKI Bouchra,** *Chouaïb Doukkali University, El Jadida* *Treatment and recovery of industrial effluents containing methylene blue by cryoconcentration*
655426	**O101- EZZAINE Malika,** *Ibnou Zohr University, Agadir* *Chitosan-based biosorbent for the efficient elimination of crystal violet and congo red from aqueous solutions- adsorption characteristics and wastewater treatment application*
	O - BARGANI M., *Sultan Moulay Slimane University, Beni Mellal* *Unveiling the Architecture of a Novel Cathode Material for High-Performance Lithium-Ion Batteries: A Comprehensive Structural Study*

Room 1: S3-T2- Materials, nanomaterials, and their applications	
Chairs: Profs. IAICH Soulaiman, AZIAM Rachid	
ID	**Author and Presentation Title**
658032	**O102- EL MCHAOURI Mariam**, Sultan Moulay Slimane University, Beni Mellal Synthesis and characterization of TiO_2 nanomaterials for enhanced photocatalytic activity under UV-visible light
655073	**O103- GUEYE Mamadou,** Université Cheikh Anta Diop, Dakar, Sénégal Elimination du chrome dans l'eau par des nanocomposites hybrides de ferrite de zinc-magnésium spinelle ancré dans du polypyrrole
669226	**O104- EL MEZIANI Salma,** Hassan II University, Casablanca Development of chemically activated biomass adsorbents and optimization of adsorption using response surface methodology for sustainable dye removal
654974	**O105- IDLAHOUSSAINE Noureddine,** Ibnou Zohr University, Agadir Electrochemical and theoretical evaluation of a novel benzodiazepine-based corrosion inhibitor for mild steel in hydrochloric acid
666369	**O106- EL HAYAOUI Widad,** Ibnou Zohr University, Agadir Efficient degradation of ornidazole via electro-fenton using stainless steel electrode as sources of ferrous ions (Fe^{2+})- experimental and DFT calculations
666384	**O107- RACHID Youssef,** Ibnou Zohr University, Agadir Efficient removal of hydroxychloroquine from water using dextrose-functionalized MgZnAl-LDH- adsorption, isotherm, and kinetic investigations
655230	**O108- LOIRDIGHI Fadoua,** Hassan I University, Settat Desalination systems for seawater and renewable energies
666392	**O109- BOUDRIF Imane,** Hassan First University, Settat Performance assessment of hybrid renewable-powered desalination systems for brackish water under variable conditions
653327	**O110- EZZAHERY Mohamed,** Ibnou Zohr University, Agadir Elimination de l'azote ammoniacale dans les eaux usées par le procédé d'infiltration percolation
655521	**O111- JMAITO Fatima,** Ibnou Zohr University, Agadir Sustainable ceramic membrane technology for toxic metal removal from contaminated water
655470	**O112- LASFAR Mohamed,** Ibnou Zohr University, Agadir Synthesis and comprehensive characterisation of ceramic microfiltration membranes derived from natural clay for water treatment applications
Room 2: **S3-T5- Renewable energies and climate change** **S3-T6- Circular economy for sustainable development**	
Chairs - Profs. ABOURIDA Btissam, CHAFI Mohammed	
ID	**Author and Presentation Title**
685021	**O113- APPIAH Vincent,** Kwame Nkrumah University of Science and Technology, Kumasi, Ghana Lead characterization, mobility studies, and leaching efficiency from fire assay slags in Ghana
666364	**O114- FARYAT Sara,** Mohammed V University, Rabat Interfacial stability and ion transport in SEI layers between LLZO and Li metal anode for solid-state Li-Ion Batteries- First-Principles Study.
665259	**O115- AFARYATE Hamza,** Mohammed VI polytechnic University, Benguerir Exploring the synthesis of spinel manganese oxide cathodes for aqueous zinc-ion battery applications
668014	**O116- ZELMIMI Noureddine,** Université Moulay Ismaïl, Meknes Comparative study of Ionic conductivity and dielectric properties of lithium-doped brushite prepared by various wet-chemical methods.
667808	**O117- BENCAID Jamal,** Mohammed VI Polytechnic University, Benguerir Interfacial engineering of a phosphate-based catalyst promotes alkaline water electrolysis for green hydrogen production
Room 3: **S3-T4- Valorization of natural resources**	
Chairs - Profs. MAMOUNI Rachid, EL BAZ Fatima	
ID	**Author and Presentation Title**
666368	**O118- AZALMAD Hanane,** Mohammed V University, Rabat Peripheral antinociceptive activity of adenocarpus baquei- insights from sequential extracts

667799	**O119- BAHJA Bouchra,** *Université Hassan II, Casablanca* *Enhancing the mechanical potential of treated clays for high-performance alkali-activated inders in green construction*
666379	**O120- EL HAJI Sana,** *Mohammed V University of Rabat* *Arbuscular mycorrhizal fungi as bio-protective agents in olive trees*
656415	**O121- AIT AMEUR Meryem,** *Sultan Moulay Slimane University, Beni Mellal* *Use of a food bio-waste in the biocontrol of the toxic cyanobacterium Microcystis aeruginosa growth*
655225	**O122- OUAKHSSASE Abdallah**, *Abdelmalek Essaâdi University* *Surveillance and health risk of pesticide residues in Morocco*
666285	**O123- CHAMCHAOUI Abdellatif,** *National Institute for Agronomic Research, Marrakech* *Biochar modulates plant physiology and soil properties of olive orchards (Olea europaea L.) under saline conditions*
685034	**O124- OUBELHAS Ilham,** *Ibnou Zohr University, Agadir* *An integrated process for brine and phosphogypsum valorization: Synthesis and characterization of $(NH_4)_2Mg(SO_4)_2 \cdot 6H_2O$ fertilizer*
666370	**O125- MEHDAOUI Khadija**, *Ibnou Zohr University, Agadir* *Enhancing electrical energy quality in distribution networks- a review on pwm controlled rectifiers*

Thursday November 13, 2025	***Session 4***	*Time (GMT +1) : 15 :30 – 17 :00*

Plenary room: S4-T1-Water resources management and wastewater treatment

Chairs - Profs. BELMOUDEN Mustapha, AIT SAID Hamid, AZIAM Rachid

ID	***Author and Presentation Title***
655205	**O126- KHOUYA Lahcen,** *Sidi Mohammed Ben Abdellah University, Fez* *Study of water hardness and comparison with bottled water- the case of the Draa-Tafilalet region*
653541	**O127- SAKINI Salma,** *Hassan I University, Settat* *Recovery of post-consumer industrial waste for the sustainable disposal of industrial Wastewater Treatment*
667997	**O128- RYAS Taoufyq,** *Chouaïb Doukkali University, El Jadida* *Optimization of olive mill wastewater treatment and valorization by cryoconcentration and refrigerated centrifugation using response surface methodology*
655268	**O129- LAMINE Rachid,** *Ibnou Zohr University, Agadir* *The inhibition of precipitation of calcium carbonate scale by a plant extract as a green inhibitor*
667853	**O130- SAOUAB Hassan,** *Chouaïb Doukkali University, El Jadida* *Valorization by cryoconcentration of wastewater generated by the hydrodistillation of aromatic plant*
658548	**O131- MAHMOUDY Guellaa,** *Ibnou Zohr University, Agadir* *Nitrate removal by a biomaterial derived from Carpobrotus edulis- towards an ecological and efficient solution for wastewater treatment*
685027	**O132- TADOUMANT Sokaina**, *Ibnou Zohr University, Agadir* *Inclusive evaluation of pilot rural sanitation project- human rights and gender perspective*
685010	**O133- SLIMANI Noureddine,** *Ibnou Zohr University, Agadir* *Comprehensive analysis of trace metal contamination in Agadir Bay sediments- Assessment of environmental impact and pollution sources*
655601	**O134- MACHROUHI Aicha,** *Moulay Ismail University, Errachidia* *A combined molecular dynamic simulation, DFT calculations, and experimental study of methyl orange and methylene blue adsorption onto activated carbon in aqueous solutions*
666349	**O135- IBERACHE Noureddine**, *Ibnou Zohr University, Agadir* *Photo assisted Heterogeneous Electro-Fenton for Imidacloprid Mineralization from Wastewater using MnFe2O4/g-C3N4 Catalyst: Mechanism pathway, RSMCCD optimization, DFT calculation, Toxicity test*

Room 1: S4-T2- Materials, nanomaterials, and their applications

Chairs - Profs. OUSAA Abdellah, JMIAI Aaziz, HAIDA Souad

ID	***Author and Presentation Title***
664810	**O135- MAMANE SOULEY Abdoul Aziz,** *National Polytechnic Institute, Félix Houphouët B, Cote d'Ivoire.* *Characterization of Bana Kaolin as zeolite-sodalite precursor*
666017	**O136- ZIOUANI Hafida,** *Moulay Ismail University, Meknes* *Thermoelectric Properties of the Layered Hybrid Perovskite $[NH_3(CH_2)_4NH_3]CuCl_4$*
663721	**O137- El MOURAILLE Nadia,** *Ibnou Zohr University, Agadir* *Photocatalytic degradation of basic dye over TiO_2-$CuFe_2O_4$ under visible light irradiation.*

655648	**O138- KARFAOUI Soukaina,** *Ibnou Zohr University, Agadir* *Sustainable Building Materials- Development and Testing of Stabilized Compressed Earth Bricks*
662540	**O139- TALEBI Jamal,** *Ibnou Zohr University, Agadir* *Polypyrrole magnetic functionalized oxide-graphene (FOPYGO) nanocomposite for effective dye pollutant removal from aqueous effluents*
685023	**O140- SKOURI Houda,** *Chouaib Doukkali University, El Jadida* *Synthesis of Zeolitic Catalysts from Industrial Waste and Doping with Plasmonic Metals- Application in Catalytic Oxidation of Volatile Organic Compounds (VOCs) Case of Ethanol*
663718	**O141- NOUAA Safa**, *Ibnou Zohr University, Agadir* *Advanced nanocomposites across disciplines- LDH Alginate platforms for nutrient pollutant up-take and enzyme-assisted dye degradation*
659545	**O142- CHDICH Fatima Ezzahra,** *Sultan Moulay Slimane University, Beni Mellal* *Synthesis and evaluation of zn fe based ldh-derived catalysts for the photocatalytic degradation of salicylic acid- synthesis, photocatalytic degradation study, effects of substituted metals, recyclability, and quenching study*
666373	**O143- EL MOUHRI Wail**, *Ibnou Zohr University, Agadir* *Mechanochemical Synthesis and Characterization of AgI BiOI/g-C3N4 Heterojunction with Enhanced Photocatalytic Performance for Rhodamine B Degradation*
Room 2:	***S4-T5- Renewable energies and climate change***
Chairs - Profs. JEMJAMI Saloua, BAMMOU Lahcen	
ID	***Author and Presentation Title***
650943	**O144- KHONTÉ Abdourahmane,** *Diop University, Bambey, Senegal* *Automated environmental monitoring of fluoroquinolone residues in urban surface water using fluorescence spectroscopy.*
666067	**O145- HAMRAOUI Asmae,** *Mohamed VI Polytechnic University, Benguerir* *CO_3O_4/$COFe_2O_4$ composites as high-performance bifunctional electrocatalysts for Zinc–Air batteries*
655632	**O146- HAIDAR Nassur Said Ali,** *University Hassan II, Casablanca* *Integrated assessment of the ecological quality of the Bouskoura and Merzeg wadis (Morocco)- combined contribution of diatom and physicochemical indices*
666312	**O147- CHAOUI Khaoula,** *Mohammed V University, Rabat* *Interface Engineering to Prevent Dendrite Growth in Sulfide-Based Na-Ion Batteries*
666386	**O148- EN-NARHMOUCHY Imane,** *Mohammed VI Polytechnic University Ben Guerir* *Development Of Low-Cost Ni Mo Electrocatalysts on Modified Stainless Steel for Alkaline Water Electrolysis*
663992	**O149- CHERAS Ikram,** *Mohamed VI Polytechnique University, Benguerir* *Electrodeposition under magnetic field of Cobalt Hydroxide Electrodes for Improved Oxygen Evolution Reaction Efficiency*
Room 3:	***S4-T4- Valorization of natural resources***
Chairs : Profs. EL AJLAOUI Rahhal, EL AROUSSI Fatima, MAHJOUBI Fatima Zahra	
ID	***Author and Presentation Title***
664379	**O150- SANDA MAMANE Ousmaila,** *University of Agadez, Niger* *Mineralogical, structural and physicochemical characterization of a green clay from Tanout Quarry in Zinder region (Niger), used in the brickyard*
657125	**O151- ELMARDI Mustapha,** *Sultan Moulay Slimane University, Beni Mellal* *Évaluation in silico du potentiel médicamenteux des composés majeurs d'Ononis natrix L. contre NS5B du virus de l'hépatite C*
664408	**O152- BNIKKOU Samira**, *Ibnou Zohr University, Agadir* *Comparative effects of persistent drought and irrigation water supply on the fatty acid composition of Argan oil [Argania spinosa (L.) Skeels]*
669232	**O153- EL-ASRI Abdallah,** *Ibnou Zohr University, Agadir* *Natal plum leaf extract as a green corrosion inhibitor for brass in nitric acid- experimental insights and multiscale computational modeling*
655415	**O154- KANOUFI Nidale,** *Ibnou Zohr University, Agadir* *Inhibition of calcium carbonate precipitation by green inhibitor extracts in hard water: A green approach to scale control*
655164	**O155- MOUKADIRI Houda,** *Mohamed VI Polytechnique University, Benguerir* *Vancomycin-Loaded Calcium Phosphate Composites for Local Treatment of Bone Infection: Adsorption, Release Kinetics, and Antibacterial Performance*

POSTER SESSIONS

Wednesday November 12, 2025	Session I	Time (GMT+1) – 10 :50-11 :15/16 :00-16 :30

ID	Author and Presentation Title
Screen 1:	**T1-Water resources management and wastewater treatment**
685026	**P1- TADOUMANT Sokaina**, Ibnou Zohr University, Agadir Hydrochemical characterization and assessment of groundwater quality in the lower Draa basin,
655161	**P2- LAGDALI Salek,** Ibnou Zohr University, Agadir Preparation of low-cost ceramic microfiltration membrane based on natural clay for wastewater treatment
666380	**P3- NADIF Iliass,** Ibnou Zohr University, Agadir Synergistic design of a novel perovskite based LDH@g-C3N4/polyaniline composite for efficient Cr(VI) removal from contaminated water
671899	**P4- AL-BOUFARISSI Hamza,** Ibnou Zohr University, Agadir Highly Electroactive Ce-ZnO@rGO Nanocomposite as an Ultra-Sensitive Electrochemical Platform for Carbamazepine Detection
685020	**P5- BADDOUH Ali,** NT2E, Casablanca Étude de Cas sur les Problèmes Opérationnels et Techniques dans une Station d'Osmose Inverse
659780	**P6- ASSOUANI Abdallah,** Ibnou Zohr University, Agadir Nitrate, sulfate and phosphate contamination in water and possible remedial measures
Screen 2 :	**T2 Materials, nanomaterials, and their applications**
685008	**P7- MOUMOUNI WAGE Abdoul Razak,** Université André Salifou, Zinder, Niger Inhibition of corrosion Inhibition of corrosion of stainless steel by Thym and Artemisia extracted oils in 1M hydrochloric acid medium
685018	**P8- GUETBACH Mounia,** Mohamed VI Polytechnic University, Benguerir Development and optimization of polymer/salt composite materials for efficient sorption-based atmospheric water harvesting
663719	**P9- ZAGHLOUL Ahmed**, Ibn Zohr University, Agadir Etude de l'adsorption des colorants acides en régime statique par des argiles synthétiques
655279	**P10- EL MOUDEN Abdelaziz,** Ibnou Zohr University, Agadir Sustainable Dye Removal from Water Using Silver Oxide-Modified Natural Clay Adsorbent
670395	**P11- DABAGH Abdelkader,** Ibnou Zohr University, Agadir Eco-Friendly Nanocomposites for cationic/anionic dyes Adsorption in Wastewater
664676	**P12- BOUALAM Firdaous,** Mohamed VI Polytechnic University, Benguerir Shaping the Future of Safe and Efficient Energy- Aqueous Zinc-Ion Batteries
655030	**P13- IDLAHOUSSAINE Noureddine,** Ibnou Zohr University, Agadir Evaluation of an imidazopyridine-based compound as an effective corrosion inhibitor for mild steel in 1.0 M HC- a combined experimental and theoretical study
Screen 3:	**T4- Valorization of natural resources**
663992	**P14- YASSINE Brahim,** Hassan II University, Casablanca Évaluation de l'efficience symbiotique des souches indigènes de Rhizobium isolées de la région de Gharb (Maroc) sur la croissance et la fixation biologique de l'azote chez le haricot (Phaseolus vulgaris L.)
670653	**P15- MELLAOUI Moulay Driss,** Ibnou Zohr University, Agadir In silico Study of the Reactivity of Butadiene Derivatives- From DFT Modeling to Potential Applications
657106	**P16- AHNINE Mohammad,** Ibnou Zohr University, Agadir Préparation de dérivés bioactifs à partir de dérivés du thymol
654861	**P17- MAHMOUDY Guellaa,** Ibnou Zohr University, Agadir Hybrid Taguchi–RSM optimization of nitrate removal using chemically modified biomass: Mechanistic insights, cost evaluation, and industrial wastewater applications
664522	**P- SKAOU Ayyoub,** Cadi Ayyad University, Marrakech Solitary Bees as Almond Pollinators- Exploring Species Diversity, Abundance, and Pollen Affinity
685024	**P- SKOURI Houda,** Chouaib Doukkali University, Faculty of Science, El Jadida Synthesis of Zeolitic Catalysts from Industrial Waste and Doping with Plasmonic Metals: Application in the Photocatalytic Oxidation of Organic Pollutants

Thursday November 13, 2025	Session II	Time (GMT+1) – 10 :10-10 :40/17 :00-17 :30

Screen 1: T1-Water resources management and wastewater treatment	
ID	**Title and authors**
656472	***P18- AASLI Brahim,*** *Ibnou Zohr University, Agadir* *A comparative adsorption study of Congo red dye on two composites based on formaldehyde-urea resin*
655141	***P19- LAMINE Rachid,*** *Ibnou Zohr University, Agadir* *Valorization of Plant Extract as an Efficient, Environmental, and Economical Inhibitor of $CaCO_3$ Scaling- Experimental Investigation*
666178	***P20 - FTOUKI Bouchra,*** *Chouaïb Doukkali University, El Jadida* *Treatment of Industrial Effluents by Block Cryoconcentration- Application to Bisphenol-A*
669235	***P21- TALEBI Jamal,*** *Ibnou Zohr University, Agadir* *Magnetic Polypyrrole–Functionalized Oxide–Graphene (FOPYGO) Adsorbent for the Elimination of Cationic Dyes from Wastewater*
655368	***P22- ACHLAIH Abdeslam,*** *Ibnou Zohr University, Agadir* *High-performance nanoparticle-integrated layered double hydroxide photocatalysts- engineering visible-light-responsive systems for the enhanced degradation of organic environmental pollutants*
655427	***P- BESBOU Oualid,*** *Mohammed V University, Rabat* *Optimizing wastewater treatment plant (WWTP) performance through modeling- a comprehensive review of activated sludge models (ASMs)*
666391	***P- Rachid Youssef,*** *Ibnou Zohr University, Agadir* *Combined Experimental and Theoretical Study of Dextrose-Coated MgZnAl-LDH for Aqueous Hydroxychloroquine Removal*
Screen 2: T2 Materials, nanomaterials, and their applications	
658494	***P23- LAHBIB Abbas,*** *Moulay Ismail University, Meknes* *Elaboration and characterization of phosphate alcaline tungsten glasses*
685032	***P24- JMAITO Fatima,*** *Ibnou Zohr University, Agadir* *Modification of a Ceramic Composite Membrane for Enhanced Water Treatment*
672204	***P25- EL QDHY Saadia,*** *Ibnou Zohr University, Agadir* *Exploiting RSM and ANN modeling methods to optimize BET and MO1 dyes removal using CuMgAl-LDH*
685014	***P26- ABOUSSABEK Abdelali,*** *Ibnou Zohr University, Agadir* *Modeling and Mechanistic Study of Th^{4+} Adsorption on Montmorillonite Clay*
685017	***P27- BENHITI Ridouan,*** *Ibnou Zohr University, Agadir* *Engineering confnements of small Au nanoparticles in Zn-Based layered double hydroxides for advancing plasmonic catalysis*
685040	***P28- EL Aicha,*** *University Mohammed VI Polytechnic, Benguerir* *Polymers synthesis and characterization: IPN-based ion solvation membrane for hydrogen production*
666390	***P-El MOUHRI Wail,*** *Ibnou Zohr University, Agadir* *Synthesis, characterization, and adsorptive performance of CoAl –LDH for fuchsin basic dye removal*
Screen 3: T4- Valorization of natural resources	
685025	***P29- BOUKARMA Latifa,*** *Ibnou Zohr University, Agadir* *Response surface methodology and artificial neural network optimization of La^{3+} removal from aqueous solution using macroalgal biomass and desorption assessment*
666385	***P30- EL HAJI Sana,*** *Mohammed V University, Rabat* *Arbuscular Mycorrhizal Fungi as Bio-Protective Agents in Olive Trees*
656348	***P31- NOUAA Safa,*** *Ibnou Zohr University, Agadir* *Turning waste into worth- kinetic and thermodynamic insights into AB113 dye adsorption using dried tea waste*
664378	***P32- SANDA MAMANE Ousmaila,*** *University of Agadez, Niger* *Caractérisation physico-chimique des Charbons Actifs Elaborés (CAEs) Ã partir de Biomasses ligno-cellulosiques locales (Niger)*
664693	***P33- BEN KACEM Abdelfattah,*** *Université Sidi Mohamed Ben Abdellah - Fès* *Réhabilitation et valorisation des zones ensablées dans la palmeraie de Jorf à Tafilalet*
685028	***P34- ADMIRI Ilham,*** *Mohamed VI Polytechnique University, Benguerir* *Development of Scalable bio-sourced Anion Exchange membrane for alkaline water electrolyze using a paper making inspired process and functional coating*
655036	***P35- BDAA Maroine,*** *Mohamed V University, Rabat* *Valorization of aromatic and medicinal plants- the case of essential oils*
665354	***P- BRIOUAL Bilal,*** *Mohamed VI Polytechnique University, Benguerir* *Seawater electrolysis- developments, challenges, and future directions*

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