



Faculté des Sciences
 Université Ibn Zohr d'Agadir
 Laboratoire Matériaux et Environnement
 Association Ibn Zohr pour l'Environnement et les Sciences des Matériaux

**THE
 INTERNATIONAL
 CONGRESS:
 APPLIED
 MATERIALS
 FOR THE
 ENVIRONMENT**



**LE CONGRÈS
 INTERNATIONAL:
 MATÉRIAUX
 APPLIQUÉS À
 L'ENVIRONNEMENT**

PROGRAMME CIMAE 2024



6-7 March 2024
 Faculty of Medicine and Pharmacy
 - Agadir



Programme CIMAIE-2024

Mercredi 06/03/2024

08h30-9h30	Accueil et inscription des participants	
09h30-10h00	Cérémonie officielle d'ouverture (Salle de conférences)	
	- Mot du Président de l'université IBN Zohr	
	- Mot du Doyen de la Faculté des Science Agadir	
	- Mot du directeur du laboratoire LME	
	- Mot de la présidente de l'association AISESMA	
10h00-10h40	- Mot du comité d'organisation	
	Conférence inaugurale Modérateur : Pr. N. EL ALEM	
10h40-11h10	Pr. A. JADA	
	Les digestats issus des déchets organiques comme ressources renouvelables pour la production de l'énergie et le traitement des eaux polluées <i>Institut de Sciences Des Matériaux De Mulhouse (IS2M-UMR 7361 CNRS - UHA) (Mulhouse , France)□</i>	
10h40-11h10	Conférence Plénière 1	
	Pr. S. SAITZEK Layered perovskite oxide-based materials for the photocatalytic water treatment: Potential of nanostructured $\text{La}_2\text{Ti}_2\text{O}_7$ <i>Unit of Catalysis and Solid State Chemistry Univ. Artois (Lens, France)</i>	
11h10-11h40	Pause café de bienvenue	
11h40-12h10	Communication Sponsor 1 (Salle de conférences) Modérateur : Pr. M. BAZZAOUI	
	Dr. Maxime Tchaya Njantio Instrumentation and Applications of Correlative Raman Imaging : Material and Environmental Sciences <i>Regional Sales Manager BeNeLux-Italy-Poland-Maghreb, Oxford Instruments, Witec</i>	
Sessions parallèles : communications orales		
12h10-13h30	Session 1 (Thème 1 - Salle 1) Modérateur : Pr. M. BELKHAOUA	Session 2 (Thème 3 - Salle de conférences) Modérateur : Pr. S. SAITZEK
	H. JAFIL Anticorrosion potential of a novel organic phosphonic acid on carbon steel in sulphuric acid <i>Laboratory of Catalysis and Corrosion of Materials (El Jadida, Morocco)</i>	A. IMGHARN C3N4-based Photocatalysts Boosting Antibiotic Photodegradation Efficiency <i>Laboratory of Materials and Environment (Agadir, Morocco)</i>
	N. IDLAHOUSSEINE Imidazole/pyridine-based derivative as a novel protectivity agent for mild steel corrosion in acidic solution: Comprehensive investigations <i>Laboratory of Organic Chemistry and Chemical Physics, Faculty of Sciences (Agadir, Morocco)</i>	F.Z. ADDAR Utilizing Box-Behnken Design to Optimize Nanofiltration Process Parameters for Enhanced Fluoride Removal Efficiency <i>Laboratory of Advanced Materials and Process Engineering (Kenitra, Morocco)</i>
	G. DOUMANE Performances d'inhibition de la corrosion de l'extrait d'alcaloïde de graine de Citrullus Colocynthis en tant que nouvel inhibiteur vert pour la corrosion de l'acier doux dans 1,0 M HCl : Extraction, caractérisation, études électrochimiques <i>Laboratoire de Génie des Matériaux Avancés et des Procédés (Kenitra, Maroc)</i>	A. EL FOULANI ABDELLAH A Comparative Study of the Performance of Polyaluminum Chloride-Sodium Alginate and Polyaluminum Chloride-Chitosan Composite Coagulants in Dam Water Treatment <i>Laboratory of Organic Synthesis, Extraction and Valorisation (Casablanca, Morocco)</i>

	<p>M. AIT HAKKI</p> <p>Efficient removal of crystal violet dye from aqueous solutions using sodium hydroxide modified avocado shells: kinetics and isotherms modeling</p> <p><i>Laboratory of Materials and Environment (Agadir, Morocco)</i></p>	<p>F.E. ZIRAR</p> <p>Photochemical stability of GO-TiO₂ prepared by two different methods under visible light</p> <p><i>Laboratory of Materials and Environmental Applications (Agadir, Morocco)</i></p>
	<p>S. SAADAOU</p> <p>Structural and optical study of ZnO thin films electrodeposited at different concentrations</p> <p><i>Laboratory of Advanced Materials and Process Engineering (Kenitra, Morocco)</i></p>	<p>R. LAHKALE</p> <p>Towards the synthesis of a thermally stable clay with improved light absorption and reduced optical band gap energy</p> <p><i>Laboratory of Material's Physical- Chemicals (El Jadida, Morocco)</i></p>
	<p>R. OUKHRIB</p> <p>Study of the Adsorption of Cu²⁺ and Pb²⁺ using a bio-absorbent based on functionalized porous carbon</p> <p><i>Laboratory of Materials and Environment (Agadir, Morocco)</i></p>	<p>R. CHIKRI</p> <p>Activated carbon/Fe₃O₄ composite for dyes removal: optimisation of preparation conditions, kinetic and isothermal study</p> <p><i>Research Laboratory on Materials science and Process Optimization «SCIMATOP» (Marrakech, Morocco)</i></p>
	<p>A. AHDOUR</p> <p>Electrochemical degradation of orange G using a new anode based on Bi₂O₃ and BaHPO₄: study of the effect of current density, supporting electrolyte and pH</p> <p><i>Materials and Environment laboratory (Agadir, Morocco)</i></p>	<p>B. CHHAIBI</p> <p>Electrocatalytic Effect of Ultraviolet (UV) on the Oxidation of Amoxicillin on Carbon Paste Electrode Modified by (Sn-SnO₂)-NPh: Analytical Application in Tap Water and Wastewater</p> <p><i>Laboratory of Materials Science, Mathematics and Environment (Khouribga, Morocco)</i></p>
	<p>R. YOUSSEF</p> <p>Development and Characterization of an Organic-Modified HDL-Type Synthetic Clay and Its Application for Rhodamine B Adsorption</p> <p><i>Laboratory of Applied Physical Chemistry (Agadir, Morocco)</i></p>	<p>A. BEN HAMOU</p> <p>Singlet Oxygen-Powered Peroxymonosulfate Activation by Iron-rich Biochar from Sewage Sludge Digestate for Targeted Sulfamethoxazole Degradation : A Rigorous Examination of Performance and Mechanistic Insights</p> <p><i>Laboratory of Materials and Environment (Agadir, Morocco)</i></p>
13h30-15h00	Déjeuner	
15h00-15h30	<p>Conférence Plénière 2 (Salle de conférences)</p> <p><i>Modérateur : Pr. M. BAZZAOU</i></p>	
	<p>Dr. Nurgul K. BAKIRHAN</p> <p>Role of nanomaterials in sensitive drug analysis</p> <p><i>University of Health Sciences (Ankara, Turkey)</i></p>	
15h30-16h00	<p>Conférence Plénière 3</p>	
	<p>Pr.A. TARA</p> <p>Innovation in Environmentally Friendly Materials: Advancements in Nanocomposites Featuring Partially Bio-Based PP/PBS Blends Elaborated through Twin-Screw Extrusion and Application in</p> <p><i>IUT de Reims Chalons-Charleville (UFR Sciences) (REIMS, France)</i></p>	
16h00-16h45	<p>Session Key speakers 1</p>	
	<p>Pr. M. AKLALOUCH</p> <p>Understanding the SEI layer formation at the electrolyte/electrode interface as a key solution to safer Li-ion batteries</p> <p><i>Laboratory of Innovative Materials, Energy and Sustainable Development (Marrakesh, Morocco)</i></p>	
	<p>Pr. N. NOUJ</p> <p>Highly efficient bio-based nanoporous α-chitin-protein SE-CP macro-hierarchical nanofibers with significant stability and reusability for enhanced dye removal in aquatic environments</p> <p><i>National Institute for Scientific and Technological Research on Water, City of Innovation Souss Massa, Ibn Zohr University, (Agadir, Morocco)</i> <i>Laboratory of Materials and Environment (Agadir, Morocco)</i></p>	
	<p>Pr. B. BOUARGANE</p> <p>New Process to prepare chloride-free KNS compound fertilizers from phosphogypsum waste using a K⁺; NH₄⁺ / Cl⁻; SO₄²⁻- H₂O quaternary phase diagram</p> <p><i>Process Engineering Laboratory (Agadir, Morocco)</i></p>	
16h45-17h30	Pause café & Session posters 1	

Sessions parallèles : communications orales		
17h30-18h30	Session 3 (Thème 2 - Salle 2) <i>Modérateur : Pr. A. TARA</i>	Session 4 (Thème 3 - Salle de conférences) <i>Modérateur : Pr. H. ELALAOUI BELGHITI</i>
	A. CHAOUI Analyzing the Adsorption of Methylene Blue Dye on Biochars Chemically Activated with KOH/HNO ₃ across Diverse Pyrolysis Temperatures: A Comparative Study <i>Laboratory of Materials and Environment (Agadir, Morocco)</i>	K. FRITAH Synthesis and study of the photocatalytic properties of a new Bi ₂ Ti ₂ O ₇ /Bi ₁₂ TiO ₂₀ composite <i>Laboratory of Materials and Environment (Agadir, Morocco)</i>
	A. AZIFA Development of new high-performance phosphogypsum-based cementitious materials for cementing in civil engineering applications <i>Materials Physics and Chemistry Laboratory (El Jadida, Morocco)</i>	M. CHRACHMY Elaboration et caractérisation des supports membranaires planes de microfiltration et d'ultrafiltration a base d'une argile marocaine <i>Laboratory of Materials Engineering for the Environment and Natural Resources (Errachidia, Morocco)</i>
	H. MENSOUR Etude de l'impact de la bentonite sur l'optimisation du procédé de solidification des déchets radioactifs organiques liquides par cimentation <i>Multidisciplinary research and innovation laboratory (Khouribga, Morocco)</i>	K. ELASLANI Enhancing of ofloxacin oxidation current through the overvoltage position displacement using carbon paste electrode modified by silver particles: Analytical application in water <i>Laboratory of Materials Science, Mathematics and Environment (Khouribga, Morocco)</i>
	A. KHALI Preparation and characterization of geopolymer based Fly Ash for adsorption of methylene blue from aqueous solution <i>Laboratory of Materials and Environment (Agadir, Morocco)</i>	M. BOUYGHRISSE Synthesis and characterization of a triazole-derived compound: application to adsorption of the cationic dye crystal violet <i>Laboratory of Advanced Materials and Process Engineering (Kenitra, Morocco)</i>
	R. GHIBATE Recycling agricultural waste for environmental purposes: investigation into dye removal <i>Laboratory of Physical Chemistry, Materials and Environment (Errachidia, Morocco)</i>	L. MLLAOIY Room temperature formation of {001} facet exposure plates Bismuth Oxybromide: visible-light photocatalytic and photoluminescence properties <i>Laboratory of Materials and Environment (Agadir, Morocco)</i>
	A. EL FAROUKI Optimisation écologique du béton autoplaçant : des approches constructives pour un impact environnemental réduit <i>Structure and Materials Laboratory (Rabat, Morocco)</i>	H. LAGRINI Development of new catalytic materials for liquid effluent disposal <i>Laboratory of Catalysis and Corrosion of Materials (El Jadida, Morocco)</i>
Jeudi 07/03/2024		
08h30-09h00	Conférence Plénière 4 (Salle de conférences) <i>Modérateur : Pr. A. BENLHACHEMI</i> Prof. Dr. NILGÜN ÜNAL Antimicrobial resistance issue in bacteria and antimicrobial properties of polymer coatings <i>University of Health Sciences (Ankara, Turkey)</i>	
09h00-09h30	Conférence Plénière 5 Pr. F. GUINETON Elaboration and characterization of ABO ₄ type materials for photocatalytic and/or photoluminescent applications <i>Institute of Materials Microelectronics and Nanosciences of Provence (Toulon, France)</i>	
09h30-10h00	Session Key speakers 2 <i>Modérateur : Pr. F. GUINETON</i>	
	Pr. A. BOUDDOUCH UV-Visible light-driven photocatalytic degradation of organic pollutants by bismuth/Zinc phosphate heterojunction photocatalysts: kinetics, mechanism and degradation pathways. <i>Laboratory of Material's Physical- Chemicals (El Jadida, Morocco)</i>	Pr. H. QAYOUH Biodegradable block copolymers obtained by controlled polymerisation applied for wastewater treatment. <i>Laboratoire des Matériaux Innovants, Energie et Développement Durable (Marrakech, Maroc)</i>

10h00-10h30	Pr. S. ET-TALEB Maximizing the retention of methylene blue dye from contaminated water by grinding of natural sand <i>Laboratoire Matériaux et Environnement (Agadir, Maroc)</i>	
	Pr. O. ELASRI Le Biogaz issue des Déchets agricoles : Solution Durable et opportunité économique pour la balance énergétique au Maroc <i>Microbial Biotechnology and Plant Protection Laboratory (Agadir, Morocco)</i>	
10h30-11h15	Pause café & Session posters 2	
11h15-12h45	Sessions parallèles : communications orales	
	Session 5 (Thème 1 - Salle 1) <i>Modérateur : Pr. M. KHACHANE</i>	Session 6 (Thème 3 - Salle de conférences) <i>Modérateur : Pr. A. JADA</i>
	A. EL-ASRI Chemistry of the interaction between imidazole derivatives as corrosion inhibitors molecules and copper/brass/zinc surfaces: A DFT, reactive and classical molecular force fields study <i>Applied Physical Chemistry Laboratory (Agadir, Morocco)</i>	M. FARAH Leachate treatment by ceramic ultrafiltration membranes: Fouling mechanisms identification <i>Laboratory of Advanced Materials and Process Engineering (Kenitra, Morocco)</i>
	R. SAYED Optical properties of transparent thin layers of cobalt-doped zinc oxide by electrodeposition process <i>Laboratory of Advanced Materials and Process Engineering (Kenitra, Morocco)</i>	F. Z. KARMIL Synthesis of novel porous geopolymer and its use for phosphate removal from aqueous media <i>Laboratory of Physical Chemistry of Materials (El Jadida, Morocco)</i>
	S. DARBAL Geochemical characterization and thermodynamic study of the scaling phenomenon in the hot spring water of Ain Skhouna in the Agadir region <i>Process Engineering Laboratory (Agadir, Morocco)</i>	H. DIALLO Ultrafiltration for treatment of secondary effluents from domestic wastewater: Optimization using response surface methodology <i>Laboratory of Advanced Materials and Process Engineering (Kenitra, Morocco)</i>
	A. IMJJAD Polydopamines corrosion bio-inhibitors for mild steel in HCl solution: A DFT study and Molecular Dynamics simulations <i>Applied Chemistry-Physics laboratory (Agadir, Morocco)</i>	A. AMJLEF Efficient orange G (OG) degradation via peroxymonosulfate (PMS) activation using Quartz-sand@Polythiophene (QS@PTh) composite <i>Laboratory of Materials and Environment (Agadir, Morocco)</i>
	M. NASSIRI Effect of a green inhibitor on calcium carbonate precipitation in wastewater transport pipes <i>Process Engineering Laboratory (Agadir, Morocco)</i>	M. ATTOUCH Experimental exploration of dye adsorption onto the chitosan matrix <i>Organic Bio-organic Environment Laboratory (El-Jadida, Morocco)</i>
	N. EL ASSALI Advancing sustainable corrosion protection: an in-depth investigation of a hybrid inhibitor for mild steel <i>Laboratory of Advanced Materials and Process Engineering (Kenitra, Morocco)</i>	Z. ENNAJIH Creating and analyzing arginine-doped polyaniline/SiO ₂ for the purpose of adsorbing Orange G dye from water solutions <i>Laboratory of Advanced Materials and Process Engineering (Kenitra, Morocco)</i>
	I. KARMAL Highly effective scale inhibition performance of green inhibitor on calcium carbonate <i>Process Engineering Laboratory (Agadir, Morocco)</i>	H. ZOUGGARI Efficiency of an innovative polypyrrole-based composites for the removal of hexavalent chromium <i>Laboratory of Materials and Environment (Agadir, Morocco)</i>
	I. SABER Elaboration and characterization of new eco-friendly vitreous: Structural, chemical durability, morphologic, and thermal analysis <i>Laboratoire, chimie organique, de la catalyse et de l'environnement (Kenitra, Maroc)</i>	A. RGUIBI In Situ Chemical Polymerization of Aniline on NaPO ₃ -Fe ₂ O ₃ Particles for Adsorption of Cr(VI) <i>Laboratory of Advanced Materials and Process Engineering (Kenitra, Morocco)</i>

	<p>J. BENSALAH</p> <p>Using a novel adsorbent Amberlite TMIRC-200 extract resin polymeric to effectively remove CV dye from wastewater: Characterization, Insights from isotherm kinetic and modelling</p> <p>Laboratory of Advanced Materials and Process Engineering (Kenitra, Morocco)</p>	<p>S. BENALLA</p> <p>Comparison of reverse osmosis and electrodialysis in the treatment of brassware effluents</p> <p>Laboratory of Advanced Materials and Process Engineering (Kenitra, Morocco)</p>
13h15-15h00	Déjeuner	
	Sessions parallèles : communications orales	
	<p>Session 7 (Thème 1 & 2 - Salle 1) <i>Modérateur : Pr. N. NOUJ</i></p>	<p>Session 8 (Thème 3 - Salle de conférences) <i>Modérateur : Pr. A. BOUDDOUCH</i></p>
	<p>Pr. M. Benafqir</p> <p>Application of the process capability study on the adsorption of nitrates on Hematite-titaniferous sand, a new approach for a process based on a new performing natural material.</p> <p>Laboratory of Materials and Environment (Agadir, Morocco)</p>	<p>Pr. A. EL AAMRANI</p> <p>Strontium substitution effects on the crystal structure, microstructure, optical and electronic properties of $Ba_{2-x}Sr_xBB'O_6$ (B/B'= Ti, Mn, Zr) double perovskites</p> <p>Laboratory of Materials and Environment (Agadir, Morocco)</p>
	<p>M. KERROU</p> <p>A comparative adsorption study of a cationic dye on three agricultural waste biomasses</p> <p>Laboratoire d'Analyse Chimique, Environnementale et des Matériaux (Errachidia, Maroc)</p>	<p>M. ZAIT</p> <p>Performance comparison of conventional method and ultrafiltration membrane in the pretreatment of landfill leachate</p> <p>Laboratory of Advanced Materials and Process Engineering (Kenitra, Morocco)</p>
	<p>H. MAARIR</p> <p>Exploring the Potential of Argan Shell-Derived Phosphorylated lignocellulose in the formulation of Wood Adhesive</p> <p>Équipe des Procédés Chimiques et des Matériaux Appliqués (Beni-Mellal, Maroc)</p>	<p>Y. ETTAHIRI</p> <p>Synthesis and characterization of porous and photocatalytic geopolymers based on natural clay: Enhanced properties and efficient Rhodamine B decomposition</p> <p>Materials and Environment Laboratory (Agadir, Morocco)</p>
	<p>O. DOUGHMI</p> <p>Creating a novel polyaniline@oak acorn biocomposite designed to eliminate Orange G dye from water-based solutions effectively</p> <p>Laboratoire de Matériaux Avancés et d'Ingénierie des procédés (Kenitra, Maroc)</p>	<p>S. NOUAA</p> <p>Biodegradation of textile dyes by laccase from <i>Trametes versicolor</i> immobilized on layered doubled hydroxide-biopolymers composites beads</p> <p>Laboratory of Applied Chemistry and Environment (Agadir, Morocco)</p>
15h00-16h40	<p>S. FARSAD</p> <p>Harnessing Carbon-Based Material from Food Waste Digestate for Dye Adsorption: The Role of Hydrogel Beads in Enhancing Stability and Regenerative Capacity</p> <p>Laboratoire Matériaux et Environnement (Agadir, Maroc)</p>	<p>B. ENNASRAOUI</p> <p>Efficient nanocomposites with sunlight responsiveness (gCN/SY/BiX) for the photocatalytic removal of dye compounds</p> <p>Laboratory of Organic and Physical Chemistry (Agadir, Morocco)</p>
	<p>H. BELFARRANE</p> <p>Valorisation et recyclage de la saumure rejetée par les stations de dessalement</p> <p>Office National de l'Electricité et de l'Eau potable (Tantan, Maroc)</p>	<p>W. EI MOUHRI</p> <p>Efficient removal of eriochrome black T dye using CuAl LDH: Investigation of thermodynamic, kinetic, and equilibrium parameters</p> <p>Laboratory of Applied Physical Chemistry (Agadir, Morocco)</p>
	<p>O. FARKAL</p> <p>Obtaining nano calcium fluoride and ammonium sulfate from phosphogypsum</p> <p>Laboratoire de Physico-Chimie des Matériaux (El Jadida, Maroc)</p>	<p>S. EL OMARI</p> <p>Elaboration of a novel polyaniline-based composite for removal of orange G dye from water</p> <p>Laboratory of Materials and Environment (Agadir, Morocco)</p>
	<p>I. OUBELHAS</p> <p>Innovative Approach for phosphogypsum and brine wastes transformation into valuable fertilizers</p> <p>Laboratoire Génie de Procédés (Agadir, Maroc)</p>	<p>I. NADIF</p> <p>Removal of agriculture herbicide 2.4 DP via adsorption process using magnetic LDH doped Ppy</p> <p>Laboratory of Applied Physical Chemistry (Agadir, Morocco)</p>
	<p>A. ESSEKRI</p> <p>Removal of Crystal violet dye from water using different algal-based adsorbents: A comparative study</p> <p>Laboratory of Materials and Environment, Department of Chemistry (Agadir, Morocco)</p>	<p>K. AIT EL BACHA</p> <p>Facile synthesis and characterization of a novel Arginine doped polyaniline@JS composite for highly efficient removal of Orange G dye from water</p> <p>Laboratory of Materials and Environment (Agadir, Morocco)</p>
	<p>M. OUBELLA</p> <p>Polypyrrole as pretreatment for metal electroplating of acrylonitrile-butadiene-styrene (ABS)</p> <p>Laboratory of Materials and Environment (Agadir, Morocco)</p>	<p>W. EL HAYAOUI</p> <p>An electrochemical sensor based on Pt/Î±-Fe₂O₃@RGO nanocomposites for selective detection of the drug ornidazole (ORD) in environmental samples</p> <p>Laboratory of Applied Physical Chemistry (Agadir, Morocco)</p>

16h40-17h10	Pause café	
17h10-18h20	Sessions parallèles : communications orales	
	Session 9 (Thème 1 & 3 - Salle 1) <i>Modérateur : Pr. M. LAABD</i>	Session 10 (Thème 3 - Salle 2) <i>Modérateur : Pr. I. BAKAS</i>
	B. AASLI A comparative study of the elimination of an anionic dye by two composites based on formaldehyde-urea resin <i>Laboratory of Applied Chemistry and Environment (Agadir, Morocco)</i>	Y. BAKHTAOUI Biosorption of a textile dye on a biosorbent derived from agricultural waste <i>Laboratory of Advanced Materials and Process Engineering (Agadir, Morocco)</i>
	M. D. MELLAOUI Insights into the [3+2] Cycloaddition Reaction: Unravelling Mechanism, Selectivity, Solvent, and Temperature Effects in the between N-Methyl-C-(2-furyl) Nitron with Maleimide Derivatives through Molecular Electron Density Theory <i>Applied Physical Chemistry Laboratory (Agadir, Morocco)</i>	S. LAGDALI Preparation and characterisation of a ceramic microfiltration membrane based on natural clay: Application to the pre-treatment of raw seawater for desalination by the reverse osmosis process. <i>Applied Chemistry Physical Laboratory (Agadir, Morocco)</i>
	N. TAJAT Enhanced photocatalytic degradation of MB dye over Ag ₂ CO ₃ /Ag ₂ O@NiFe LDH under visible light irradiation <i>Laboratory of Applied Physical Chemistry (Agadir, Morocco)</i>	N. BOUGDOUR Soil fertility and agro-physiological responses of Basil (<i>Ocimum basilicum</i> L.) irrigated by treated domestic wastewater <i>Laboratory of Applied Physical Chemistry (Agadir, Morocco)</i>
	J. TALEBI Polypyrrole Magnetic Functionalized Oxide-Graphene (FOPYGO) Nanocomposite for Effective Dye Pollutant Removal from Aqueous Effluents <i>Laboratory of Applied Physical Chemistry (Agadir, Morocco)</i>	H. IGHNIH A new hybrid nanocomposite BiOCl@Kaolinite for photocatalytic applications <i>Laboratory of Organic and Physical Chemistry (Agadir, Morocco)</i>
	N. IBERACHE Facile Synthesis of Magnetic Fe ₃ O ₄ @g-C ₃ N ₄ Nanocomposite as a High Efficiency Heterogeneous Electro-Fenton Catalyst for Imidacloprid Degradation <i>Applied Chemistry Physical Laboratory (Agadir, Morocco)</i>	M. EL FAZDOUNE Electrochemical investigation and detection of verapamil HCl using poly methylene blue modified graphite electrode: applications in tablets and serum samples <i>Laboratory of Materials and Environment (Agadir, Morocco)</i>
	K. BAHEND Nanostructured Electrochemical Platforms for Sensitive Detection of Melatonin: Advancing Towards Clinical and Pharmaceutical Applications <i>Laboratory of Materials and Environment (Agadir, Morocco)</i>	T. LAKTIF Removal of Various Contaminants From Water By ST@PANi Composite: A kinetic, Thermodynamic And Isotherms Modelling <i>Laboratory of Materials and Environment (Agadir, Morocco)</i>
M. SOUMANE VOCs gas sensor based on 1D SnO ₂ micro-tubes and its detection mechanism: experimental and theoretical studies <i>Laboratory of Materials, Signal, Systems and Physical Modeling (Agadir, Morocco)</i>	M. RHAYA Solar-light-driven photocatalytic degradation of orange G dye using a novel ternary photocatalyst <i>Laboratory of Organic and Physical Chemistry (Agadir, Morocco)</i>	
18h20-19h00	Séance de clôture & Remise des prix	
Liste des communications par affiche (e-poster)		
Thème 1 Session 1	Y. Moughazi DOCID : 512348 Insight on the corrosion inhibition efficiency on low carbon steel in phosphoric acid medium implementing a green	
	Y. Moukhless DOCID : 512714 Préparation et étude électrochimique d'un matériau d'électrode destiné aux batteries lithium-ion en milieu aqueux	
	N. Idlahoussaine DOCID : 512828 Performance-inhibitory action of the new imidazo pyridine compound on the corrosion of steel in 1 M HCl: Electrochemical	
	My. D. Mellaoui DOCID : 512866 Understanding the reactivity of N-methyl-C-(2-furyl) nitron participating in [3+2] Cycloaddition reactions towards	
	K. Abouabassi DOCID : 513238 Time effect on the electrochemical deposition of Sb ₂ Se ₃ thin films	
	M. Oubella DOCID : 515531 New technique for polymethyl methacrylate (PMMA) metallization	
	A. Ait Mansour DOCID : 515622 An exploratory investigation into the corrosion inhibition prowess of Isonicotinohydrazides on N80 steel in a 15% HCl	

Thème 1 Session 1	H. Majdoub DOCID : 515638 Eco-friendly steel surface protection by electropolymerization of Natural Compounds from Origanum Vulgare L
	M. Chrachmy DOCID : 516340 Études cinétique, thermodynamique et mécanisme d'élimination du vert de malachite en solution aqueuse par les argiles
	M. Ouakki DOCID : 517001 Using natural polymer (starch) in a 3.0 wt% NaCl solution to monitor corrosion and inhibition corrosion of mild steel
	K. Mouzdahir DOCID : 517187 Modeling and Simulation of Phosphoric Acid Production
	A. Amjlef DOCID : 532463 Polyaniline coated quartz sand (QS@PANI) as an adsorbent composite for Orange G dye removal from aqueous solution
	A. EL-ASRI DOCID : 533699 Exploring the Corrosion Inhibition Potential of Imidazole Derivatives on Copper, Brass, and Zinc Surfaces: Insights from
Thème 2 Session 2	K. Ouaiassa DOCID : 509801 Impact of Marine Aquaculture on the Environment
	C. Essoktani DOCID : 510499 Boues de Lavage des Phosphates et leur Impact sur l'Environnement
	S. Hamdouni DOCID : 510569 Optimizing Rubber Self-Compacting Concrete: A Taguchi TOPSIS Approach for Sustainable Waste Management
	F. Baila DOCID : 511173 Recovery of mica minerals from granite waste
	A. Souidi DOCID : 511651 Review of the use of waste shells in the literature for the formulation of concretes and mortars
	S. Karfaoui DOCID : 512362 Enhancing thermal insulation properties of clay bricks with Almond Waste Powder
	M. Atigui DOCID : 512397 Study of the properties of cellular concrete made from ecological waste
	L. Kammou DOCID : 512820 A comparison of household and similar waste management systems in the provincial capitals of the Beni Mellal-Khenifra
	S. Ait Talhajt DOCID : 513987 Electrocoagulation treatment of paint wastewater and conversion of by-product sludge into nano-pigment
	A. El Rhalbi DOCID : 515193 Amélioration du procédé de conditionnement de la résine radioactive usée par cimentation
	M. Rida Abelouah DOCID : 515533 Floating microplastics pollution in the Central Atlantic Ocean of Morocco: Insights into the occurrence, characterization,
	M. Lazrak DOCID : 515600 Vermicomposting of Agadir weekly souk wastes using Eisenia fetida and Eisenia andrei
	I. Bouzidi DOCID : 527389 Effect of materials mixture on the higher heating value: Case of biomass; biochar; and municipal solid waste.
	A. Barazzouq DOCID : 527683 Valorisation of Calcined Red Algae waste (CRA) as catalyst material in organic synthesis
	S. Bajji DOCID : 529666 Recovering waste from the traditional Moroccan pottery industry: making ecological bricks from local clay
F. Safa DOCID : 529740 Evaluation de l'effet du digestat produit de la méthanisation des déchets organiques sur la germination des espèces	

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