



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**



المؤتمر الدولي للمواد لتطبيقات البيئية

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THE INTERNATIONAL CONGRESS: APPLIED MATERIALS FOR THE ENVIRONMENT

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Programme CIMAE-2024

Mercredi 06/03/2024

	Mercredi 06/03/2024	
08h30-9h30	Accueil et inscription des participants	
09h30-10h00	Cérémonie officielle d'ouverture (Salle de conférences)	
10h00-10h40	Conférence inaugurale <i>Modérateur : Pr. N. EL ALEM</i>	
	<i>Pr. A. JADA</i> 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	
	<i>Pr. S. SAITZEK</i> 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	Communications Sponsors 1 (Salle de conférences) <i>Modérateur : Pr. A. BENLHACHEMI</i>	
	<i>A. TAHRAOUI</i> Instrumentation and Applications of Correlative Raman Imaging : Material and Environmental Sciences <i>Professional-LABO</i>	
Sessions parallèles : communications orales		
12h10-13h30	Session 1 (Thème 1 - Salle 1) <i>Modérateur : Pr. I. BAKAS</i>	Session 2 (Thème 3 - Salle de conférences) <i>Modérateur : Pr. S. SAITZEK</i>
	<i>H. JAFIL</i> 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>	<i>A. IMGHARN</i> C3N4-based Photocatalysts Boosting Antibiotic Photodegradation Efficiency <i>Laboratory of Materials and Environment (Agadir, Morocco)</i>
	<i>N. IDLAHOUSSAINE</i> 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>	<i>F.Z. ADDAR</i> 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>
	<i>G. DOUMANE</i> 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, Morocco)</i>	<i>A. EL FOULANI ABDELLAH</i> 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) <i>Modérateur : Pr. M. BAZZAOU</i></p> <p>Dr. Nurgul K. BAKIRHAN</p> <p style="text-align: center;">Role of nanomaterials in sensitive drug analysis</p> <p style="text-align: center;"><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 style="text-align: center;"><i>IUT de Reims Chalons-Charleville (UFR Sciences) (REIMS, France)</i></p>	
16h00-16h45	<p>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	<p>Session 3 (Thème 2 - Salle 2) <i>Modérateur : Pr. A. TARA</i></p>	<p>Session 4 (Thème 3 - Salle de conférences) <i>Modérateur : Pr. H. ELALAOUI BELGHITI</i></p>
	<p>A. CHAOUI</p> <p>Analyzing the Adsorption of Methylene Blue Dye on Biochars Chemically Activated with KOH/HNO₃ across Diverse Pyrolysis Temperatures: A Comparative Study</p> <p><i>Laboratory of Materials and Environment (Agadir, Morocco)</i></p>	<p>K. FRITAH</p> <p>Synthesis and study of the photocatalytic properties of a new Bi₂Ti₂O₇/Bi₁₂TiO₂₀ composite</p> <p><i>Laboratory of Materials and Environment (Agadir, Morocco)</i></p>
	<p>A. AZIFA</p> <p>Development of new high-performance phosphogypsum-based cementitious materials for cementing in civil engineering applications</p> <p><i>Materials Physics and Chemistry Laboratory (El Jadida, Morocco)</i></p>	<p>M. CHRACHMY</p> <p>Elaboration et caractérisation des supports membranaires planes de microfiltration et d'ultrafiltration a base d'une argile marocaine</p> <p><i>Laboratory of Materials Engineering for the Environment and Natural Resources (Errachidia, Morocco)</i></p>
	<p>H. MENSOUR</p> <p>Etude de l'impact de la bentonite sur l'optimisation du procédé de solidification des déchets radioactifs organiques liquides par cimentation</p> <p><i>Multidisciplinary research and innovation laboratory (Khouribga, Morocco)</i></p>	<p>K. ELASLANI</p> <p>Enhancing of ofloxacin oxidation current through the overvoltage position displacement using carbon paste electrode modified by silver particles: Analytical application in water</p> <p><i>Laboratory of Materials Science, Mathematics and Environment (Khouribga, Morocco)</i></p>
	<p>A. KHALI</p> <p>Preparation and characterization of geopolymer based Fly Ash for adsorption of methylene blue from aqueous solution</p> <p><i>Laboratory of Materials and Environment (Agadir, Morocco)</i></p>	<p>M. BOUYGHRISSI</p> <p>Synthesis and characterization of a triazole-derived compound: application to adsorption of the cationic dye crystal violet</p> <p><i>Laboratory of Advanced Materials and Process Engineering (Kenitra, Morocco)</i></p>
	<p>R. GHIBATE</p> <p>Recycling agricultural waste for environmental purposes: investigation into dye removal</p> <p><i>Laboratory of Physical Chemistry, Materials and Environment (Errachidia, Morocco)</i></p>	<p>L. MLLAOIY</p> <p>Room temperature formation of {001} facet exposure plates Bismuth Oxybromide: visible-light photocatalytic and photoluminescence properties</p> <p><i>Laboratory of Materials and Environment (Agadir, Morocco)</i></p>
<p>A. EL FAROUKI</p> <p>Optimisation écologique du béton autoplaçant : des approches constructives pour un impact environnemental réduit</p> <p><i>Structure and Materials Laboratory (Rabat, Morocco)</i></p>	<p>H. LAGRINI</p> <p>Development of new catalytic materials for liquid effluent disposal</p> <p><i>Laboratory of Catalysis and Corrosion of Materials (El Jadida, Morocco)</i></p>	
Jeudi 07/03/2024		
08h30-09h00	<p>Conférence Plénière 4 (Salle de conférences) <i>Modérateur : Pr. A. BENLHACHEMI</i></p>	<p>Prof. Dr. NİLGÜN ÜNAL</p> <p>Antimicrobial resistance issue in bacteria and antimicrobial properties of polymer coatings</p> <p><i>University of Health Sciences (Ankara, Turkey)</i></p>
	<p>Conférence Plénière 5</p> <p>Pr. F. GUINETON</p> <p>Elaboration and characterization of ABO₄ type materials for photocatalytic and/or photoluminescent applications</p> <p><i>Institute of Materials Microelectronics and Nanosciences of Provence (Toulon, France)</i></p>	
09h30-10h00	<p>Key speakers 2 <i>Modérateur : Pr. F. GUINETON</i></p>	
	<p>Pr. A. BOUDDOUCH</p> <p>UV-Visible light-driven photocatalytic degradation of organic pollutants by bismuth/Zinc phosphate heterojunction photocatalysts: kinetics, mechanism and degradation pathways.</p> <p><i>Laboratory of Material's Physical- Chemicals (El Jadida, Maroc)</i></p>	
	<p>Pr. H. QAYOUH</p> <p>Biodegradable block copolymers obtained by controlled polymerisation applied for wastewater treatment.</p> <p><i>Laboratoire des Matériaux Innovants, Energie et Développement Durable (Marrakech, Maroc)</i></p>	

10h00-10h30	<p><i>Pr. S. ET-TALEB</i></p> <p>Maximizing the retention of methylene blue dye from contaminated water by grinding of natural sand</p> <p><i>Laboratoire Matériaux et Environnement (Agadir, Maroc)</i></p>	
	<p><i>Pr. O. ELASRI</i></p> <p>Le Biogaz issue des Déchets agricoles : Solution Durable et opportunité économique pour la balance énergétique au Maroc</p> <p><i>Microbial Biotechnology and Plant Protection Laboratory (Agadir, Morocco)</i></p>	
10h30-11h15	<p>Pause café & Session posters 2</p>	
11h15-12h45	<p>Sessions parallèles : communications orales</p>	
	<p>Session 5 (Thème 1 - Salle 1) Modérateur : Pr. L. ANEFLOUS</p>	<p>Session 6 (Thème 3 - Salle de conférences) Modérateur : Pr. M. KHACHANE</p>
	<p><i>A. EL-ASRI</i></p> <p>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</p> <p><i>Applied Physical Chemistry Laboratory (Agadir, Morocco)</i></p>	<p><i>M. FARAH</i></p> <p>Leachate treatment by ceramic ultrafiltration membranes: Fouling mechanisms identification</p> <p><i>Laboratory of Advanced Materials and Process Engineering (Kenitra, Maroc)</i></p>
	<p><i>R. SAYED</i></p> <p>Optical properties of transparent thin layers of cobalt-doped zinc oxide by electrodeposition process</p> <p><i>Laboratory of Advanced Materials and Process Engineering (Kenitra, Morocco)</i></p>	<p><i>F. Z. KARMIL</i></p> <p>Synthesis of novel porous geopolymer and its use for phosphate removal from aqueous media</p> <p><i>Laboratory of Physical Chemistry of Materials (El Jadida, Maroc)</i></p>
	<p><i>S. DARBAL</i></p> <p>Geochemical characterization and thermodynamic study of the scaling phenomenon in the hot spring water of Ain Skhouna in the Agadir region</p> <p><i>Process Engineering Laboratory (Agadir, Morocco)</i></p>	<p><i>H. DIALLO</i></p> <p>Ultrafiltration for treatment of secondary effluents from domestic wastewater: Optimization using response surface methodology</p> <p><i>Laboratory of Advanced Materials and Process Engineering (Kenitra, Maroc)</i></p>
	<p><i>A. IMJJAD</i></p> <p>Polydopamines corrosion bio-inhibitors for mild steel in HCl solution: A DFT study and Molecular Dynamics simulations</p> <p><i>Applied Chemistry-Physics laboratory (Agadir, Morocco)</i></p>	<p><i>A. AMJLEF</i></p> <p>Efficient orange G (OG) degradation via peroxymonosulfate (PMS) activation using Quartz-sand@Polythiophene (QS@PTH) composite</p> <p><i>Laboratory of Materials and Environment (Agadir, Maroc)</i></p>
	<p><i>M. NASSIRI</i></p> <p>Effect of a green inhibitor on calcium carbonate precipitation in wastewater transport pipes</p> <p><i>Process Engineering Laboratory (Agadir, Morocco)</i></p>	<p><i>M. ATTOUCH</i></p> <p>Experimental exploration of dye adsorption onto the chitosan matrix</p> <p><i>Organic Bio-organic Environment Laboratory (El-Jadida, Maroc)</i></p>
	<p><i>N. EL ASSALI</i></p> <p>Advancing sustainable corrosion protection: an in-depth investigation of a hybrid inhibitor for mild steel</p> <p><i>Laboratory of Advanced Materials and Process Engineering (Kenitra, Maroc)</i></p>	<p><i>Z. ENNAJIH</i></p> <p>Creating and analyzing arginine-doped polyaniline/SiO₂ for the purpose of adsorbing Orange G dye from water solutions</p> <p><i>Laboratory of Advanced Materials and Process Engineering (Kenitra, Maroc)</i></p>
	<p><i>I. KARMAL</i></p> <p>Highly effective scale inhibition performance of green inhibitor on calcium carbonate</p> <p><i>Process Engineering Laboratory (Agadir, Morocco)</i></p>	<p><i>H. ZOUGGARI</i></p> <p>Efficiency of an innovative polypyrrole-based composites for the removal of hexavalent chromium</p> <p><i>Laboratory of Materials and Environment (Agadir, Maroc)</i></p>
	<p><i>I. SABER</i></p> <p>Elaboration and characterization of new eco-friendly vitreous: Structural, chemical durability, morphologic, and thermal analysis</p> <p><i>Laboratoire, chimie organique, de la catalyse et de l'environnement (Kenitra, Maroc)</i></p>	<p><i>A. RGUIBI</i></p> <p>In Situ Chemical Polymerization of Aniline on NaPO₃-Fe₂O₃ Particles for Adsorption of Cr(VI)</p> <p><i>Laboratory of Advanced Materials and Process Engineering (Kenitra, Morocco)</i></p>

	<p><i>J. BENSALAH</i></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><i>S. BENALLA</i></p> <p>Comparison of reverse osmosis and electro dialysis in the treatment of brassware effluents</p> <p>Laboratory of Advanced Materials and Process Engineering (Kenitra, Maroc)</p>
13h15-15h00	Déjeuner	
	Sessions parallèles : communications orales	
	<p>Session 7 (Thème 1 & 2 - Salle 1) <i>Modérateur : Pr. A. JADA</i></p>	<p>Session 8 (Thème 3 - Salle de conférences) <i>Modérateur : Pr. S. SAITZEK</i></p>
	<p><i>M. KERROU</i></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><i>M. ZAIT</i></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, Maroc)</p>
	<p><i>H. MAARIR</i></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><i>Y. ETTAHIRI</i></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, Maroc)</p>
	<p><i>O. DOUGHMI</i></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, Morocco)</p>	<p><i>S. NOUAA</i></p> <p>Biodegradation of textile dyes by laccase from Trametes versicolor immobilized on layered doubled hydroxide-biopolymers composites beads</p> <p>Laboratory of Applied Chemistry and Environment (Agadir, Maroc)</p>
15h00-16h30	<p><i>S. FARSAD</i></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, Morocco)</p>	<p><i>B. ENNASRAOUI</i></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, Maroc)</p>
	<p><i>H. BELFARRANE</i></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><i>W. EI MOUHRI</i></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, Maroc)</p>
	<p><i>O. FARKAL</i></p> <p>Obtaining nano calcium fluoride and ammonium sulfate from phosphogypsum</p> <p>Laboratoire de Physico-Chimie des Matériaux (El Jadida, Maroc)</p>	<p><i>S. EL OMARI</i></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, Maroc)</p>
	<p><i>I. OUBELHAS</i></p> <p>Innovative Approach for phosphogypsum and brine wastes transformation into valuable fertilizers</p> <p>Laboratoire Génie de Procédés (Agadir, Maroc)</p>	<p><i>I. NADIF</i></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, Maroc)</p>
	<p><i>A. ESSEKRI</i></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, Maroc)</p>	<p><i>K. AIT EL BACHA</i></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, Maroc)</p>
	<p><i>M. OUBELLA</i></p> <p>Polypyrrole as pretreatment for metal electroplating of acrylonitrile-butadiene-styrene (ABS)</p> <p>Laboratory of Materials and Environment (Agadir, Maroc)</p>	<p><i>W. EL HAYAOUI</i></p> <p>An electrochemical sensor based on Pt/1±-Fe₂O₃@RGO nanocomposites for selective detection of the drug ornidazole (ORD) in environmental samples</p> <p>Laboratory of Applied Physical Chemistry (Agadir, Maroc)</p>

16h30-17h00	Pause café	
	Sessions parallèles : communications orales	
	Session 9 (Thème 1 & 3 - Salle 1) <i>Modérateur : Pr. A. TARA</i>	Session 10 (Thème 3 - Salle 2) <i>Modérateur : Pr. F. GUINETON</i>
	<i>B. AASLI</i> 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>	<i>Y. BAKHTAOUI</i> Biosorption of a textile dye on a biosorbent derived from agricultural waste <i>Laboratory of Advanced Materials and Process Engineering (Agadir, Morocco)</i>
	<i>M. D. MELLAOUI</i> 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, Maroc)</i>	<i>S. LAGDALI</i> 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>
	<i>N. TAJAT</i> 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>	<i>N. BOUGDOUR</i> 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>
17h00-18h10	<i>J. TALEBI</i> Polypyrrole Magnetic Functionalized Oxide-Graphene (FOPYGO) Nanocomposite for Effective Dye Pollutant Removal from Aqueous Effluents <i>Laboratory of Applied Physical Chemistry (Agadir, Morocco)</i>	<i>H. IGHNIH</i> A new hybrid nanocomposite BiOCl@Kaolinite for photocatalytic applications <i>Laboratory of Organic and Physical Chemistry (Agadir, Morocco)</i>
	<i>N. IBERACHE</i> 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>	<i>M. EL FAZDOUNE</i> 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>
	<i>K. BAHEND</i> Nanostructured Electrochemical Platforms for Sensitive Detection of Melatonin: Advancing Towards Clinical and Pharmaceutical Applications <i>Laboratory of Materials and Environment (Agadir, Morocco)</i>	<i>T. LAKTIF</i> 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>
	<i>M. SOUMANE</i> 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>	<i>M. RHAYA</i> Solar-light-driven photocatalytic degradation of orange G dye using a novel ternary photocatalyst <i>Laboratory of Organic and Physical Chemistry (Agadir, Morocco)</i>
18h10-18h40	Séance de clôture & Remise des prix	
	Liste des communications par affiche (e-poster)	
Thème 1	<i>Y. Moughazi</i> DOCID : 512348 Insight on the corrosion inhibition efficiency on low carbon steel in phosphoric acid medium implementing a green inhibitor	
	<i>Y. Moukhless</i> DOCID : 512714 Préparation et étude électrochimique d'un matériau d'électrode destiné aux batteries lithium-ion en milieu aqueux	
	<i>N. Idlahoussaine</i> DOCID : 512828 Performance-inhibitory action of the new imidazo pyridine compound on the corrosion of steel in 1 M HCl: Electrochemical	
	<i>My. D. Mellaoui</i> DOCID : 512866 Understanding the reactivity of N-methyl-C-(2-furyl) nitron participating in [3+2] Cycloaddition reactions towards maleimide	
	<i>K. Abouabassi</i> DOCID : 513238 Time effect on the electrochemical deposition of Sb ₂ Se ₃ thin films	
	<i>M. Oubella</i> DOCID : 515531 New technique for polymethyl methacrylate (PMMA) metallization	
	<i>A. Ait Mansour</i> DOCID : 515622 An exploratory investigation into the corrosion inhibition prowess of Isonicotinohydrazides on N80 steel in a 15% HCl	

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