



## Le Laboratoire des Procédés, Matériaux et Environnement

Organise

### Journée Doctorale ‘JDLPME 2022’

En l’honneur du Professeur  
El houssine El Ghadraoui



Jeu*di* 23 Juin 2022  
Au Centre de Conférences FST-Fès-

## Programme détaillé

Jeudi 23 Juin 2022

08:30 - 09:30	Accueil des participants et Enregistrement
09:30 - 10:00	Cérémonie officielle d'ouverture
10:00 - 10:30	Cocktail de Bienvenue
10h 30-14h00	Communications/Discussions
<b>Modérateurs: Prs. El. El Ghadraoui, A. Zerouale</b>	
10h30-11h15	<p><b>CO1: Ali Majdoub</b> Evaluation of a hybrid material of graphene oxide and silver nanoparticles embedded in polyester for the catalytic hydrogenation of 4-nitrophenol</p> <p><b>CO2: Boutaina Mounni</b> Evaluation of a Moroccan clay site properties and feasibility of using it for the production of fired bricks</p> <p><b>CO3: Oumaima Nahid</b> Effect of calcium sulphate and calcium carbonate on the permeate flux of a reverse osmosis membrane.</p>
<b>Modérateurs: Prs. J. Toyir, A. Lhassani</b>	
11h 15-12h00	<p><b>CO4: Abdellah El Aissouq</b> In silico prediction of novel Glycogen synthase kinase-3 beta (GSK-3<math>\beta</math>) inhibitors: 3D-QSAR, molecular docking and ADMET prediction studies</p> <p><b>CO5: Mona Ben Ali</b> Advances in catalytic conversion of lignocellulosic biomass to fine chemicals and liquid fuels</p> <p><b>CO6 : Malak Slaoui</b> Effect of Zinc Doping on the Electrical and Dielectric Properties of CCTO Compound Synthesized by Solid-State Method</p>
<b>Modérateurs: Prs. M. Nawdali &amp; F. Khalil</b>	
12h00-12h45	<p><b>CO7: Hamza Bellouk</b> Treatment of Fez city landfill leachate (Morocco) by conventional process combined with advanced oxidation method</p> <p><b>CO8: Youssef Sakout</b> Physico-chemical and dielectric properties of solid-state synthesized Nickel doped PbTiO<sub>3</sub> ceramics</p> <p><b>CO9: Said El Rhabori</b> In silico design of novel thioquinazolinone derivatives as anti-breast cancer agents using 3D-QSAR, molecular docking and ADMET investigations</p>
<b>Modérateurs: Prs. J. E. Hazm &amp; Pr. O. Sqalli Houssaini</b>	
12h45-13h30	<p><b>CO10: Ouafae El Ghadraoui</b> Effect of Magnesium on the physicochemical properties of Barium Titanate</p> <p><b>CO11: Imane El Arrouji</b> NH<sub>3</sub>-selective Catalytic Reduction of NO<sub>x</sub> to N<sub>2</sub> over Ceria Supported W/Ox Based Catalysts: Influence of Tungsten Content</p> <p><b>CO12: Ismail Ghandour</b> Copper-catalyzed synthesis of : 5,5'-dimethyl-2,2'-diphenyl-1',2'-dihydro-2H,3'H-[3,4'-bipyrazol]-3'-one derivatives</p>
<b>Modérateurs: Prs. A. El Ghazouali &amp; A. Harrach</b>	
13h30-14h00	<p><b>CO13: Zineb Bencheqroun</b> Application of Natural Adsorbents for the Removal of Cationic and Anionic Dyes from Aqueous Solutions by Fixed Bed Adsorption</p> <p><b>CO14: Alaoui Issam</b> Understanding the Plant-Soil System Interactions in Aromatic and Medicinal Plant</p>
14:15 - 14:45	Session de Poster
14:45 - 15:45	Déjeuner
15:45 - 16:15	Table Ronde et clôture de colloque

## Communications affichées

P1	<b>Imane El Mrabet</b> , Karim Tanji, Zineb Chaouki, Mohamed Hadri and H. Zaitan	Effect of the initial pH adjustment on COD and UV-Visible spectra of raw young and stabilized leachates
P2	<b>Alaoui Issam</b> , Ouafae Elghadraoui, Harach Ahmed and Abdellah Farah	THE SOIL-PLANT SYSTEM TRANSFERS
P3	<b>Zineb Bencheqroun</b> , Hicham Zaitan and Mostafa Nawdali	Application of natural adsorbents for the adsorption of dyes
P4	<b>Zineb Chaouki</b> , Mostapha Nawdali, Fouad Khalil and Hicham Zaitan	Effect of UV-A and UV-C photocatalytic process on organic matter removal from a pretreated landfill leachate using TiO <sub>2</sub>
P5	<b>Mohammed Kachabi</b> , Mostafa Nawdali, Ludovic Fine, Corinne Ferronato, Jean-Marc Chovelon and Hicham Zaitan	Synthesis of magnetite-based clay catalyst and its application in photo-Fenton processes for phenol degradation
P6	<b>El Houcine Lahrar</b> , Y. Sakout, O. Elghadraoui, M. Zouhairi, A. Harach, T. Lamcharfi and E. Elghadraoui	Influence of different synthesizing processes on the structural, microstructural and dielectric properties of PbTiO <sub>3</sub> ceramics
P7	<b>Ouafae El Ghadraoui</b> , M. Zouhairi, A. Harach, L. Taj Edine and F. Abdi	synthesis and analysis by XRD of the different congruent and stoichiometric composition of Lithium Niobate doped with Yttrium
P8	<b>Youssef Sakout</b> , El Houcine Lahrar, Ouafae Elghadraoui, Mohamed Zouhairi, Najib Tijani, Ahmed Harach and Tajeddine Lamcharfi	Preparation and structural characterization of perovskite ferroelectrics in the solid-solution (1-x) PbTiO <sub>3</sub> -xBaFeO <sub>3</sub>
P9	<b>Mohammed Kachabi</b> , Mostafa Nawdali, Ludovic Fine, Corinne Ferronato, Jean-Marc Chovelon and Hicham Zaitan	Optimization of coagulation-flocculation process using response surface methodology approach for COD, turbidity, and color removal from Fez wastewater (Morocco)
P10	<b>Imane El Mrabet</b> , Karim Tanji, Hicham Zaitan and Abdelhak Kherbeche	Photodegradation of Rhodamine B using Fe(III) in aqueous solution of deposited on ZnO surface
P11	<b>Abdellah El Aissouq</b> , S. Rhabori, M. Bouachrine, A. Ouammou and F. Khalil	Discovery of novel GSK-3 $\beta$ inhibitors by combined application of 2D-QSAR and molecular docking studies
P12	<b>El Houcine Lahrar</b> , Y. Sakout, O. Elghadraoui, M. Zouhairi, A. Harach, T. Lamcharfi and E. Elghadraoui	Mg substitution effect on the physico-chemical properties of Pb1-xMgxTiO <sub>3</sub> ferroelectric perovskites developed by hybrid process
P13	<b>Said El Rhabori</b> , Abdellah El Aissouq, Samir Chitita and Fouad Khalil	Design of new anti-breast cancer using 3D-QSAR, Molecular docking and ADMET studies
P14	<b>Zineb Chaouki</b> , Mostapha Nawdali and Hicham Zaitan	Comparative adsorption studies of organic matter from a pretreated leachate on activated carbon and palm bark
P15	<b>Ismail Ghandour</b> , Abdelouahed Bouayad, Said Chakroune and Youssef Kandri Rodi	Crystal structure, Hirshfeld surface analysis, interaction energy and DFT studies of: 5,5-diphenyl-1,3-bis(prop-2-yn-1-yl)-imidazolidine-2,4-dione
P16	<b>Maryam El Hajam</b> , Gabriel-Ionut Plavan, Noureddine Idrissi Kandri and A. Zerouale	Optimization of lead (II) removal from aqueous solutions using native and modified Dibetou saw dust (Louvra trichilioides): Application of experimental design methodology
P17	<b>Farah Lachquer</b> , I. El Arrouji, A. Oulmekki and J. Toyir	Effet de l'insertion des métaux de transition sur la structure et les propriétés optiques des sels polyoxometalliques : Cs <sub>5</sub> PM <sup>111</sup> M (H <sub>2</sub> O) <sub>3</sub> /M <sup>1</sup> = Mo, W et M = Co, Fe, Cu, Zn
P18	<b>Asmae Ghomil</b> , H. Lamsaf, I. El Arrouji, A. Oulmekki, J. Toyir, J.E Hazm, A. Driouché, M. Ijjaali	Synthesis, Crystal Structure, and Magnetic Properties of a New Mixed-Valence Diphosphate of Formula: Co <sub>5</sub> Fe <sub>2</sub> (P <sub>2</sub> O <sub>7</sub> ) <sub>4</sub>
P19	<b>Hassna Laalaoua</b> , Oumaima Nahid, Abdelhadi Lhassani	Study of electrical and wettability phenomenon of organic nanofiltration and reverse osmosis membranes
P20	<b>M. Achik</b> , B. Mourni, H. Benmoussa, A. Oulmekki	Elaboration of clay bricks from both Organic and Mineral waste (Saw dust and Pyrothite Ash), in the field to protect environment
P21	<b>Hamza Bellouk</b> , Imane El Mrabet, Mostafa Nawdali and Hicham Zaitan	Treatment of landfill leachate (Fez city) by coagulation combined with advanced oxidation process

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