

**20-21 Juillet 2022**

**Casablanca - Maroc**

**Conférence Internationale de Dépollution des Eaux et Energies Vertes (CIDEEV2022)**

**International Conference of Water Depollution and Green Energy**

**PROGRAMME CIDEEV2022**

**MERCREDI 20 JUILLET 2022**

08:00 – 08:30	<b>Accueil et Inscription des participants - Cérémonie officielle d'ouverture</b>	
09:00 – 09:30	<b>Mots d'ouverture</b>	<p>Professeur Houssine Azeddoug : Président de l'Université Hassan II de Casablanca                  Professeur Jamal Zahi : Président de l'Université Hassan I, Settat                  Professeur Abdelmajid Badri : Directeur de l'Ecole Supérieure de Technologie, Casablanca                  Professeur Jamal Naja : Doyen de la Faculté des Sciences de Techniques, Settat                  Professeur Mohammed Chafi : Président du comité d'organisation de la CIDEEV2022                  Professeur Mohamed Essahli : co-Président du comité d'organisation de la CIDEEV2022</p>
09:30 – 11 :00 <b>Grand Amphi</b>  M. Azzi F. Amraoui A. Essadki	<b>Conférencier 1 : Pr Didier Hauchard, Rennes, France</b> <b>Traitement de polluants organiques persistants par procédé électro-Fenton : Perspectives d'un réacteur à cathode à lit fixe granulaire</b>	
	<b>Conférencier 2 : Pr Benzina Mourad, Sfax, Tunisie</b> <b>Valorisation des argiles dans diverses applications environnementales</b>	
	<b>Conférencier 3 : Pr Mohamed Tahiri, Casablanca, Morocco</b> <b>Réutilisation des eaux épurées des stations de traitement des eaux usées en tant qu'alternative à la sécheresse et à la pénurie d'eau</b>	
11:00 – 11:30	<b>Pause-café - Session Posters 1</b>	

**Sessions orales 1 (sessions parallèles)**

		<b>Thème 1</b>			
		<b>ID</b>	<b>Salle 1 : N. Kamil, A. Anouar, I. Bimaghra, S.Tighadouini</b>	<b>ID</b>	<b>Salle 2 : K. Elfalaki, S. Zyade, A. Ech-chahed, S. Kholtei</b>
<b>11:30 – 13:00</b>		420600	<b>A. Dabagh, M. Abali, A. Ait Ichou, R. Benhiti, M. El Habacha, F. Sinan, M. Zerbet</b> Modélisation de l'adsorption des colorants Rhodamine B et Rouge Congo sur la plante <i>Carpobrotus edulis</i>	419603	<b>S. Kouzbour, B. Gourich</b> Decadmiation of wet phosphoric acid solutions using sulfide precipitation process operating in batch and continuous modes: performance analysis and kinetic modeling
		418927	<b>H. Hajjaoui, A.Soufi, M.Khnifira, M.Abdennouri, N. Barka</b> A novel magnetic polyaniline nanocomposite as an adsorbent to remove eriochrome black T dye from aqueous media.	420091	<b>Z. Hader, M. Chafi, S. Akazdam</b> La décoloration de la mélasse par un adsorbant issu de l'industrie sucrière
		420751	<b>M. El Habacha, A. Dabagh, S. Lagdali, Y. Miyah, G. Mahmoudy, F. Sinan, M. Chiban, S. Iaich, M. Zerbet</b> Adsorption of a cationic dye from an aqueous solution using natural clay from South-East Morocco: kinetic and thermodynamic study and optimization by experimental design.	420367	<b>F. Falil, A. Abourriche, Y. Abouliatim, Y. Rakcho, M. Mouiya, S. Mansouri, A. Benhammou, M. Oumam, B. Gourich, F. Allam, J. Alami, H. Hannache</b> Development of low-cost adsorbent from agri-food waste for removing of methylene blue in wastewaters: adsorption isotherms, kinetic modeling, and characterization
		419604	<b>N. Najid, S. Kouzbour, B. Gourich</b> Adsorption of organic substances on ultrafiltration membranes: Role on permeate flux loss and fouling reversibility	420389	<b>J. Attarki, M. Khnifira, A. Mahsoune, M. Sadiq, N. Barka, M. Abdennouri</b> DFT calculations and Monte Carlo dynamic simulations adsorption mechanism study of methylene blue on $Co_3(PO_4)_2$ (012) surface
		419547	<b>A. Elouahli, H. Khallok, F. Abida, N.Moncif, Z.Hatim</b> Apatitic Tricalcium phosphate production by Neutralization method optimization: High Sorption Capacity of Hexavalent Chromium Removal	418282	<b>I. Chaouki, R. Belakhmima, Z. Aribou, N. Khemmou, N. Dkhirech, K. Rahil, S. Iguider, M. Ebn Touhami</b> Effect of initial pH and electric current on Brassware wastewater treatment using Electrocoagulation process

Thème 2			
ID	Salle 3 : <b>N. Barka, M. Ben Ali, M. Chiban</b>	ID	Salle 4 : <b>A. Dahchour, A. Elhalil, A. El Laghdach, M.Zerbet</b>
419551	<b>Falah Fatima Zahra</b> Biochar as an Eco-Friendly Adsorbent for the Removal of Dyes from Aqueous Solutions	417773	<b>R. Benhiti, T. Bahnariu, M. Chiban, C. Gabriela, F. Sinan</b> Effects of synthesis conditions on the textural, morphology, and adsorption performance of layered double hydroxide particles
415055	<b>M. Ilou, F. Abida, A. Kheribech, Z. Hatim</b> Characterization of solid by-product obtained after heavy metals (Cu, Ni, Zn, Fe and Pb) removal from synthetic wastewater by electrocoagulation	418035	<b>A. Dabagh, R. Benhiti, M. El -Habacha, M. Abali, M. Chiban, F. Sinan, M. Zerbet</b> Efficient adsorbent derived from <i>Carpobrotus edulis</i> plant for the adsorption of Crystal Violet: isotherm, thermodynamic and desorption
414768	<b>M. Asri, R. Ouafi, W. Bahafid, S. Elabed, A. Elabed, S. Ibsouda Koraichi, F. Costa, T. Tavares, N. El Ghachtouli</b> Chromium removal by newly developed microbial consortia supported on wood husk	419501	<b>R. Saddik, S. Tighadouini, O. Roby</b> Élaboration d'un nouveau matériau hybride organique-inorganique pour la dépollution des eaux
420566	<b>M. Roudi Chema, M. Khamar, A. Nounah, E. Cherkaoui, F. Benradi</b> Emerging "pharmaceutical" pollutants in municipal wastewater and their environmental fate	420878	<b>A. Aboussabek, R. Aziam, A. Ait Ichou, M. Zerbet, F. Sinan, M. Chiban</b> Fixed-bed column study for the adsorptive removal of acid blue 113 onto hybrid clay (Muscovite @ Fe <sub>3</sub> O <sub>4</sub> )
420164	<b>A. Essekre, H. Zougari, F.Z. Mahir, M. Laabd, A. Ait Addi, A. Albourine</b> Enhanced adsorptive removal of crystal violet dye from aqueous media using citric acid modified red-seaweed: experimental study combined with RSM process optimization	419653	<b>J. Karmal, M. El Housse, J. El Gaayda, S. Ben Aazza, M. Belattar, A. Hafdi, M. Hamdani, A. Driouiche</b> Inhibition of inorganic scaling by green inhibitor in reverse osmosis plant treating brackish water
Thème 3			
ID	Salle 5 : <b>L. Bammou, F. Lmai, Y. Mejdoub, S. Bouchta</b>	ID	Salle 6 : <b>M. Abid, S. Dlimi, A. kettani, A. Tizliouine</b>
417793	<b>A. Chakir, A. El Maakoul, I. El Ghandouri, S. Saadeddine, M. Meziane, M. Sakkay</b> A comprehensive review of thermoelectric geometry with variable cross-section legs and structure optimization for performance enhancement	415529	<b>C. Naim, A. Tizliouine</b> Study of a floating wave energy exploitation system
420160	<b>M. Mahir, A. El Maakoul, I. Khay, M. Bakhouya</b> An investigation of an Anaerobic digestion/PV hybrid system for 100% renewable energy microgrid in Morocco	407002	<b>S. El Ouahbi, Z. Yamkane, R. Moubah, S. Derkaoui, H. Lassri</b> Critical behavior and its correlation with magnetocaloric effect in Amorphous Fe <sub>40</sub> Ni <sub>38</sub> Mo <sub>4</sub> B <sub>18</sub> alloy
417792	<b>M. Saissi, I. Elghandouri, A. El Maakoul, S. Saadeddine, M. Meziane, A. Chakir, M. Sakkay, A. Elbouzidi</b> Analysis and comparison of heat sinks with different fin shapes for cooling applications	420158	<b>A. Emrani, A. Berrada, M. Bakhouya</b> Deployment of green gravity-based energy storage system for redeveloping abandoned mine shafts: A case study in Morocco
420313	<b>Y. Boukioud, R. Senhaji, Y. Mejdoub</b> Buildings Energy Efficiency: A review	419242	<b>Y. Khaddam</b> Molecular design of D-π-A-π-D conjugated molecules based on carbazole for application in solar cells
418603	<b>A. Elouafi, A. Tizliouine, M. Chafi, S. Derkaoui, H. Lassri</b> Ce doping effect on the structural, magnetic and optical properties of hematite α-Fe <sub>2-x</sub> Ce <sub>x</sub> O <sub>3</sub>	415357	<b>M. Elleuch, M. Mallek, D. Dhouib, A. Frikha</b> Multi-criteria decision making for sustainable management of natural renewable resources
Thème 4			
ID	Salle 7 : <b>A. Ouballouch, O. Bouksour, M. Najim,</b>	ID	Salle 8 : <b>M. Tanane, M. Mansouri, M. Nassraoui, T. Tbatou</b>
410805	<b>O. Ben Charhi</b> A new approach for pavements reinforcement subjected to solicitations and admissible deformations	419452	<b>H. Zniker, B. Ouaki, S. Bouzakraoui, M. K. Elkouifat, I. Feddal</b> Comparative study on the repeated impact behavior of composites in civil engineering structures
419506	<b>S. Abouhazim, M. Nassraoui, O. Bouksour</b> An overview on 3D concrete printing for a sustainable construction	418063	<b>S. Al-Mahfadi Afrah</b> Dams impacts on downstream wetlands (Case study in Ahwar delta in Yemen)
420542	<b>A. Ziraoui, B. Kissi, H. Aaya</b> Analyse statique non linéaire d'une structure en Béton armé (Pushover)	415735	<b>J. Attarki, M. Khnifira, A. Mahsoun, M. Sadiq, N. Barka, M. Abdennouri</b> DFT calculations and Monte Carlo dynamic simulations adsorption mechanism study of methylene blue on Co <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> (012) surface

11:30 – 13:00

415324	<b>O. Outassafte, A. Adri, Y. Elkhouddar, I. Elhantati, S. Rifai, R. Benamar</b> Analysis of linear and geometrically nonlinear free in-plane vibration of a functionally graded porous circular arch	417526	<b>I. Essaket, A. El Maliki, O. Cherkaoui</b> Effect of sisal fabric on mechanical properties of epoxy composites
406525	<b>S. Jamoudi Sbai</b> Application of CuCoO metallic nanoparticles in storage energy	417969	<b>B. Bahja, A. Tizliouine, L. El Hachemi Omari</b> Effect of treated natural fibers on mechanical properties of geopolymers activated by alkalis

**13:00 – 14:30** *Pause-déjeuner*

<b>14:30 – 16:00</b> <b>Grand amphi</b> <b>B. Lekhlif</b> <b>M. Tahiri</b>	<b>Conférencier 4 : Pr Jama Chareffeddine, Lille, France</b> <b>Récents développements dans le domaine de l'élaboration de revêtements anticorrosion</b>
	<b>Conférencier 5 : Pr Rachid Amrouse, UCD, Morocco</b> <b>Green Energetic Propellants as Sustainable Space Materials: from Lab Scale to Pilot Plant Scale up</b>
	<b>Conférencier 6 : Pr Pedro Graca, Portugal</b> <b>Phosphosilicate glasses – electrical characteristics</b>
<b>16:00 – 16:30</b>	<i>Pause-café - Session Posters 2</i>

**Sessions orales 2 (sessions parallèles)**

<b>Thème 1</b>			
<b>ID</b>	<b>Salle 1 : M. Benzina, A. Errami, M. Dakkir, M. Zertoubi, K. Moustaid,</b>	<b>ID</b>	<b>Salle 2 : Y. Karhat, N. Kamil, M. Chiban, M. Dakkir,</b>
420437	<b>R. Saddik, S. Tighadouini, O. Roby</b> Environmentally-friendly silica modified with 2-phenylimidazo [1,2-a] pyridine-3-carbaldehyde for Cu(II) removal from aqueous solution	421645	<b>B. Nachchach Badr, H. Jounaid, B. Elamrani</b> Effect of bottom aeration on water quality of an eutrophic urban pond: Case study of El Oulfa pond
415394	<b>A. Sbai, S. Kounbach, E. Cheikh S'Id, M. Degue, C. Khaliffa, C. M'Bareckm</b> Etude de la stabilité chimique du jus de cactus utilisé comme un floculant naturel	418374	<b>O. Zidani</b> Performance of Electrodeionization (EDI) in Water Purification
418010	<b>Bouriqi Abdelillah</b> Etude l'impact de changement saisonnier et la pollution anthropique sur la qualité des masses d'eau de la rivière de ZAT, Bassin de Tensift, Morocco	416661	<b>M. Tahiri, M. Zarri, F. Amraoui</b> Study of the Compliance of Treated Water from Wastewater Treatment Plants in the Peri-urban Area of Casablanca with Respect to WHO standards for reuse in agriculture
415621	<b>A. Eddaoukhi, M. Berradi, H. Nassali, A. Habsaoui, A. El Bachiri</b> Evaluation of the impact of treated margins on the development of pepper (Capsicum Annum L.) grown on two different soils	414799	<b>H. Akichouh, A. Tahani, H. Amhamdi</b> Modélisation de l'échange ionique à l'interface montmorillonite/solution et applications pour la dépollution des eaux usées
419687	<b>F. Z. Erraji, F. El Baz, N. Amkraz</b> Impact of the modification of a support based on fish by-products on the adsorption of cationic dyes: Methylene Blue	520571	<b>S. Echih, N. Benzbiria, M. Elbelghiti, M. Elfal, M. Boudalia, A. Bellaouchou, A. Guenbour, E. Mabrouk, D. Chebabe, M. Tabyaoui, A. Zarrouk</b> Pyrazole pyrimidine as corrosion inhibitor for mild steel in acidic medium
415559	<b>S. El Harfaoui, K. Digua, H. Chaair</b> Statistical optimization and Modeling for COD reduction of reactive black-5 dye from industry effluents using experimental design methodology	408811	<b>Z. Zmirli, H. Chaair, B. Sallek</b> Optimization of cyanide removal by electrocoagulation in an internal loop airlift reactor using response surface methodology (RSM)
420562	<b>M. Roudi Chemaa, M. Khamar, A. Nounah, E. Cherkaoui, F. Benradi</b> Les polluants émergents « produits pharmaceutiques » dans les eaux usées municipales et leurs devenir sur l'environnement	419693	<b>H. Ditona Tsumbu, D. Cammaerts, I. Adant, F. Lelo Nzuzi</b> Perrenité ou légimité ? Aanalyse du rôle de l'opacité sur les coûts de l'eau potable dans les ASUREPs en zone péri-urbaine de Kinshasa
419614	<b>L. El Joumri, N. Labjar, S. El Hajjaji</b> Life cycle assessment of the olive oil production: comparative studies and recent trends	419796	<b>Rakcho Yassine</b> Fabrication and characterisation of a ceramic membrane made of clay and a new pore-forming agent for use in the treatment of industrial wastewater
417603	<b>A. Amarray, Y. Slek, E. Salmi, M. Dahbi, S. El Ghachtouli, M. Azzi</b> MnO <sub>2</sub> -Nanosheets Nanomaterial Synthesis: Potential Sorbent for Heavy Metals Removal	420937	<b>M. Saadouni, M. El Bouchti, A. Nadi, O. Cherkaoui, M. Tahiri</b> Removal of Dyes from Aqueous Solutions using Functionalized Technical Textile Fiber

Thème 2			
Salle 3 : <b>A. Elhalil, Y. Lghazi, A. Essadki</b>		Salle 4 : <b>A. Samdi, M. Chhiba, M. Zertoubi, M. Sadiq</b>	
420260	<b>Z. Habibi, O. Kamal, M. Riri, Y. Chaouqi, K. Touaj, S. Majid, M. Hlaibi</b> Affinity polymer membrane containing NTA, EDTA and TREN as carriers for the recovery of Ni (II) from Waste Li-ion batteries	419683	<b>I. Bahaj, M. Kaddami, M. Essahli, N. Labjar</b> Microstructural and Surface Degradation of Al reinforced by Intermetallic compounds in Acidic Environment.
419502	<b>S. Es-sakali, A. Anouar</b> Alkaline synthesis of nanocrystalline apatite from raw phosphate- effect of surfactant	415532	<b>M. Mouloudi, M. Essahli, M. Chhiba, M. Chafi</b> Numerical study of aluminum pitting corrosion using a multi-species reactive transport model
420877	<b>M. Mouloudi, M. Essahli, M. Chhiba, M. Chafi</b> Étude numérique de la corrosion par piqûre d'aluminium à l'aide d'un modèle du transport réactif multi-espèces	420565	<b>M. Guaali</b> Study of temperature and electrode function work Effect on the efficiency of inverted solar cell based on copper phthalocyanine (CuPc)/ Fullerene (C60) by SCAPS -1D
418030	<b>M. Belhadi, M. Oubahou, S.Tighadouini, M. Chafi</b> Evaluation of corrosion inhibition efficiency of phenanthroline for carbon steel C48 in 1M hydrochloric acid HCl: Theoretical and experimental investigations	418287	<b>S. Chebanat, MH. El Jalil, M. Lotfi, A. Nounah</b> Recovery of Yttrium from the fluorescent powder cathode ray tube screens by a hydro metallurgical process
419377	<b>A. Chahid, M. Essahli, M. Chafi</b> Experimental and computational studies on the corrosion inhibition of Aluminum	419476	<b>M. Guennoun, E. Elqars</b> Sheep manure extract as an efficient organic compound for corrosion inhibition of carbon steel in a 1 M hydrochloric acid medium
417801	<b>M. Saissi Hassani I. El Ghandouri, A. Elmaakoul, S. Saadine, M. Sakkay, A. Chakir</b> CFD analysis on heat transfer and pressure drop characteristics in tube goûter with twisted tape insert	417899	<b>K. Bougrine</b> Synthèse de nouveaux verres phosphatés isolés au sein du système quaternaire Li <sub>2</sub> O-ZnO-PbO-P <sub>2</sub> O <sub>5</sub>
419394	<b>H. Raji, A. Barhoumi, N. Ourhriss, A. Ouled Aitouna, M.E. Belghiti, A.Chekroun, A. Zeroual, A. Benharref</b> Theoretical study of the inhibition of aluminum corrosion in an acid medium by organic inhibitors: Genistein, Daidzein and Biochanin A	422329	<b>M.El jazouli, K.Lekouch, L.Bouriden, A. Nait alla</b> Study of humidity fields inside a canarian greenhouse
418050	<b>F. Gugouch, M. Elghorba, M. Barakat</b> Maintainability of CPVC Piping Using Experimental Tests	420422	<b>A. Hatim, Y. Abouliatim, Y. El Hafiane, A. Abourriche, A. Benhammou, B. Gourich, Z. Hatim, A. Smith</b> Synthesis and physico-chemical characterization of calcium phosphate apatites around the stoichiometry
419420	<b>E. Elqars Esseddik, M. Guennoun, N. Sqalli, A. H. Essadki, T. Nbigui</b> New 3-(2-methoxyphenyl)-isoxazole-carvone: synthesis, spectroscopic characterization, and prevention of carbon steel corrosion in hydrochloric acid		
Thème 3		Thème 4	
Salle 5 : <b>S. Elghachtouli, J. Louafi, S. Derkaoui, R. Moubah</b>		Salle 6 : <b>M. Benchikhi, A. Tizliouine, S. Zyade, F. Lmai</b>	
420425	<b>H. Zahdi, O. Oulhakem, S. Aazou, S. Laalioui, M. Belaiche, K. B. Alaoui, Z. Sekkat</b> Numerical optimization study of silicon-based cell for photoelectrochemical wastewater treatment	414977	<b>B. Debabeche, S. Cherhabil</b> Experimental study of the hydraulic jump in a rectangular channel for homogeneous and inhomogeneous conditions of the flow distribution over the width of the channel
418196	<b>K. Mounich, A. Wahabi, M. Chafi, Y. Mejdoub, H. K. Ibrahim</b> Design of a meteo station for acquisition of meteorological measurements using sensors and arduino board powered by solar energy	420262	<b>H. Elmoudnia, M. Waqif, R. Jalal, L. Saâdi</b> Extraction and characterization of natural cellulosic fiber from Washingtonia robusta palm (WRP)
420789	<b>E. Bouiri, E. Omari, N. Chakhchaoui, O. Cherkaoui</b> development and characterisation of polymer-based composites with reinforced β-phase	415541	<b>A. Khtibar, A. Ennaji, A. Kartouni, M. Elghorba</b> Impact of strain rate on mechanical behavior of CPVC

16:30 – 18:30

420161	<b>F. Laihemdi, M. Chafi, Y. Abouliatim, A. Tizliouine</b> Development of a clay-based proton exchange membrane with starch and sawdust for a microbial fuel cell.	415197	<b>Y. El Khouddar, A. Adri, O. Outassafte, I. El Hantati, S. Rifai, R. Benamar</b> Linear and nonlinear vibration analysis of FGM beams with porosity in thermal environments
420104	<b>A. Aynaou, B. Youbi, Y. Lghazi, M. Ait Himi, C. Elhaimer, J. Bahar, A. Sahlaoui, I. Bimaghra</b> Effect of electrodeposition potential on the electrochemical performance of polyaniline electrodeposited on an ITO substrate	420130	<b>A. Natic</b> Magnetic and optical properties of bulk Cr <sub>3</sub>
420895	<b>I. Elhamdi</b> Effects of Cr <sup>3+</sup> mol% on the structure and optical properties of ZnAl <sub>2</sub> O <sub>4</sub> biomarkers spinels	420337	<b>A. Lekdadri</b> Magnetic hysteresis and anisotropy in evaporated Co/Mn multilayers
418142	<b>R. Foulad, S. Amellah, S. Jebli, S. Amal-Oudiâ, A. Bouaziz</b> Environnement et Coûts de la qualité:Quelle relation ?	418592	<b>H. Boutkhal</b> Mechanical properties and microstructure of fly ash C Concrete
411732	<b>K. Lamhour, A. Tizliouine, O. Cherkaoui</b> Evaluation of the mechanical properties of a bio-composite reinforced with woven alfa fibers for wind turbine blade application	419503	<b>F. Baalla, A. Maziri, E. Mallil, J. Echaabi</b> Natural Fibers as Building Materials
407080	<b>A. Belhaouzi, S. Zyade</b> Numerical modelling of the effective thermal conductivity of Polysulfone-Based Composites		

**Fin de la 1<sup>ère</sup> journée**

<b>08:30 - 10:30</b> <b>Grand amphi</b> <b>S. Zyade</b> <b>B. Elamrani</b> <b>A. Chafiai</b>	<b>Conférencier 7 : Dr Kaba Salaheddine, EAGLE AI/CMTC, Morocco</b> <b>Leveraging AI/ML and remote sensing for pollution monitoring</b>
	<b>Conférencier 8 : Saad Azzaoui, Directeur du patrimoine, LIDEC, Maroc</b> <b>Les services essentiels face aux enjeux des changements climatiques</b>
	<b>Conférencier 9 : Pr Elhafiane Youssef, Limoges, France</b> <b>Contribution au développement de ciments bas carbone</b>
<b>10:30 – 11:00</b>	<b>Pause-café - Session Posters 3</b>

**Sessions orales 3 (sessions parallèles)**

Thème 1				
ID	Salle 1: <b>H. Jounaid, B. Gourich, A. Errami, A. Anouar</b>	ID	Salle 2 : <b>M. Essahli, S. Elghachtouli, C. Jama, D. B. Left</b>	
415479	<b>E. El-Abboubi, F.Z. Mahjoubi, A. Oussama, N. Barka</b> Structural and morphological investigations of layered double hydroxides as effective adsorbents of Methyl Orange	413836	<b>M. Kasbaji, M. Mennani, M. Oubenali, M. Mbarki, A. Moubarik</b> Valorization of waste lignocellulosic material as precursor of a new high biosorbents for the adsorption of methylene blue from aqueous solution	
415043	<b>S. Jaddoudi, A. El Hourch, A. Dahchour, S. El Hajjaji, A. Duering Rolf</b> Studies on the behavior of ivermectin in the soils from gharb region in Morocco	417704	<b>M. Zarri, N. Chakri, F. Amraoui, M. Tahiri</b> Monitoring of the physicochemical and bacteriological quality of purified wastewater collected from Médiouna (Morocco) wastewater treatment plant during the period: December 2021- June 2022	
419684	<b>Fadili Amina</b> Suivi et distribution du temps de séjour (DTS) dans une colonne à bulles	417342	<b>A. Machrouhi, H. Khlar, A. Elhalil, M. Sadiq, M. Abdennouri, N. Barka</b> Novel ZnO/activated carbon composite: Synthesis, characterization and photocatalytic degradation of methyl orange dye	
420531	<b>S. El Qdhy, R. Benhiti, A. Aboussabek, M. Chiban, M. Zerbet, F. Sinan</b> Synthesis, characterization, and application of Cu-Mg-Al Layered Double Hydroxide for the degradation of acid blue 113 dye in aqueous solution	418567	<b>R. Aftiss, M. Najim</b> Numerical study of passive solar still with PCM	
415524	<b>A. Chema</b> Synthesis, Characterization, Electrical and Dielectric Properties of Ni <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> .8H <sub>2</sub> O	415187	<b>Raji Yosra</b> Preparation and characterization of a bio-adsorbent from Moringa oleifera pod waste	
<b>11:00 – 12:30</b>	<b>ID</b>	<b>Salle 3: <b>A. Tazi, S. Zyade, N.Barka</b></b>	<b>ID</b>	<b>Salle 4: <b>M. Abdennouri, R. Drissi, M. Kaddami, A. Elamrani</b></b>
	415876	<b>M. El Rharib, Z. Zaroual, M. Azzi</b> Preparation and characterization of Moroccan clay for Kinetic, thermodynamic and isotherm studies of heavy metals adsorption	416295	<b>A. Soufi, H. Hajjaoui, M. Khnifira, M. Abdennouri, N. Barka</b> Optimization parameters, kinetics and mechanism of indigo carmine dye removal by catalytic wet peroxide oxidation with a magnetic ferrite nanoparticle catalyst
	417785	<b>A. Wakrim, D. Hauchard, M. Azzi</b> Procédé électrochimique d'oxydation avancée en réacteur à cathode volumique - Application au traitement d'un effluent contaminé par un colorant azoïque	417608	<b>O. Roby, S. Tighadouini, R. Saddik, A. Aboulmouhajir</b> Organically modified silica with Schiff bases as a new environmental-friendly adsorbent for solid-liquid extraction of Cu(II) from aqueous solutions
	419680	<b>J. Kouar, A. Cherif, N. Kamil</b> Removal of anionic dye from aqueous solution by synthesized adsorbent	419657	<b>A. Ait El Mahjoub, S. Kouzbou, B. Gourich, F. Audonnet, F. Allam</b> Performance evaluation of Pretreatment Technologies for Removing Dissolved Silica from Brackish Groundwater Treatment by Reverse Osmosis
	417527	<b>R. Aziam, L. Boukarma, M. Abali, E. Eddaoudi, M. Zerbet, M. Chiban</b> Removal of anionic dyes in a binary system using Moroccan prickly pear cactus peel as natural adsorbent: Kinetic, Isotherm and thermodynamic studies	415536	<b>B. Lizoul, F. Kzaiber, M. Benharaf, M. Soussi El Begrani, F. Bennesnes, E. Zahidi</b> Retention of Heavy Metals Using Calcium Phosphate Materials
	410836	<b>R. El Amri, R. Elkacmi, A. Hasib, O. Boudouch</b> Removal of pharmaceutical contaminant from an aqueous solution using living microalgae: effect of operating parameters on removal efficiency and mechanisms		

Thème 3				
11:00 – 12:30	<b>ID</b>	<b>Salle 5 : S. Dlimi, L.Bammou, M.A. Elmhammedi, S. Bouchta</b>	<b>ID</b>	<b>Salle 6 : A. Nait Alla, L.H. omari, M. Najim, A.Tihane</b>
	418288	<b>I. Abdelrhafor, L. H. Omari, E. Hlil</b> First principles study of the electronic properties of Li ions in LiCoO <sub>2</sub>	419504	<b>B. El Ghmari, H. Farah, A. Echchahad, E. Nadir</b> Green synthesis, characterization of silver oxide nanoparticles by <i>Herniaria Hirsuta</i> and their photocatalytic applications of dyes
	420163	<b>Y. Bouzhar, M. Berradi, A. Eddaoukhi, A. El Yacoubi, A. El Bachiri, M. R. Bricha, B. Sallek</b> Optimization of heat energy consumption in the clinker firing process in a cement factory	406917	<b>A. Faddouli</b> Integration of Smart Hybrid System in a Greenhouse to Supply the Heating, and Cooling Demands
	415453	<b>A. Alioui</b> Photovoltaic performance and power conversion efficiency prediction of solar cells: A photo current-voltage assessment.	419669	<b>A. Bhar, S. Jemjami</b> Inventaire, atténuation et valorisation du biogaz produit en une décharge contrôlée du Maroc
	419986	<b>M. Othmani, M. Lamchich</b> Power Management and Control of a Grid- Connected DFIG based Wind turbine/PV/Battery Hybrid Renewable Energy System	418594	<b>S. Ezairi, A. Elouafi, F. Lmai Fatima, A. Tizliouine, M. Chafi</b> Large reversible magnetocaloric effect in antiferromagnetic Er <sub>2</sub> Ir <sub>2</sub> O <sub>7</sub> compound
	420922	<b>K. Saadaoui, R. K. Senhaji, A. Aboudou, Y. Mejdoub</b> Floating and normal pv, prospects, comparaison and efficiency	420291	<b>O. Bayoussi</b> Low-cost and non-destructive approach for virgin olive oils quality control: correlation of fatty acid composition with TGA/DTA, ATR-FT-IR, rheology and geographical origin
	419454	<b>S. Rhandouriate, Y. Naimi, M. Tahiri, M. Saghir</b> Digestion anaérobie mésophile de déchets de fruits et légumes des marchés de quartiers : optimisation des paramètres physico-chimiques pour l'amélioration du rendement méthanogène		
Thème 4				
	<b>ID</b>	<b>Salle 7 : H. Ifassiouen, A. Ibnfassi, S. Krimi, M. Kaddami</b>	<b>ID</b>	<b>Salle 8 : Y. Abouliatim, M. Chiban, A. Adri, A. Samdi</b>
	419433	<b>R. Fakhreddine, N. Sajai, H. Bellefqih, R. Tigha, A. Aatiq</b> Preparation, Crystal structure and spectroscopic studies of new A(Sb <sub>0.5</sub> Cr <sub>0.5</sub> )(PO <sub>4</sub> ) <sub>2</sub> (A= Sr, Pb and Ba) yavapaiite phases	417625	<b>A. Akhrouf, S. Krimi</b> Synthesis, structural and optical properties of Na <sub>2</sub> O-CaO-CuO-P <sub>2</sub> O <sub>5</sub> glasses
	418052	<b>R. Hattaf, A. Aboulayt, N. Lahlou, M. Ouazzani Touhami, M. Gomina, A. Samdi, R. Moussa</b> Recycling geopolymer waste	419460	<b>A. Azouz, F. Lmai, Y. Ben Smail, A. Imad, N. Hamidallah, A. El Moumen</b> The effect of washing wool fibers on their thermal stability
	420134	<b>H. Bellefqih, R. Fakherddine, A. Aatiq</b> Structure, infrared and Raman spectroscopic studies of new BaSbV <sub>2/3</sub> XII <sub>1/3</sub> (PO <sub>4</sub> ) <sub>2</sub> (XII = Mn, Co, Cu, Zn) yavapaiite type-phases	417353	<b>A. Ammari</b> Thermal, Chemical and Mineralogical properties of soil building blocks reinforced with cement
	418555	<b>H. Soumadrass, Z. Beidouri, K. Zarbane</b> Study and intervention of the pathologies and defects of the ancient buildings: a case of Derb Sultan in Casablanca, Morocco	419670	<b>K. Zraraa, F. Errachidi</b> Valorization of flax solid waste in ecological building materials
	419688	<b>N. Sajai, R. Fakhreddine, A. Chahine</b> Synthesis, Infrared spectroscopic and chemical durability of lead "calcium" phosphate glasses	420588	<b>A. Saadi Ali, B. Mejdoubi</b> Electronic and magnetic properties of Ce <sub>x</sub> Ni <sub>1-x</sub> alloy theoretical study within DFT Framework

12:30 – 14:00 *Pause-déjeuner*

<b>14:00 – 15:30</b> <b>Grand amphi</b> <b>L.H. Omari</b> <b>H. Elomari</b>	<b>Conférencier 10 : Pr Dhahri Essebti, Sfax, Tunisie</b> <b>Réfrigération magnétique, effet magnétocalorique des oxydes de type pérovskites</b>
	<b>Conférencier 11 : Pr Tarik Chafik, FST, Tanger, Morocco</b> <b>Catalytic filter for air pollution control prepared from local clays easily extruded as honeycomb monolith</b>
	<b>Conférencier 12 : Pr Manoun Bouchaib, FSTS, UHI, Morocco</b> <b>Behaviour of Perovskite oxides under extreme conditions: High temperature, high pressure and composition induced phase transitions</b>
<b>15:30 – 16:00</b>	<i>Pause-café</i> - <b>Session Posters 4</b>

Salle 1 : L.H. Omari, H. Lassri, J. Louafi, H. Elomari		Salle 2 : A. Kettani, M. Benchikhi, A. Tizliouine	
419679	<b>M. Tair, M. Chafi, R. Chami, A. Tizliouine, L.H. Omari</b> modeling of hydrogen storage in solid-state	419422	<b>H. El Khatat, M. Derrhi, S. Dlimi</b> Comparative study between the analytical and experimental method of the currents resulting from the fluxes of the shunt transformer used to supply the magnetron for industrial microwave generators
417763	<b>O. El Oujih, Tizliouine Abdeslam, A. Elouafi, L. E. Omari, H. Salhi</b> Magnetic and magnetocaloric properties of Sm-doped in double perovskite $\text{Ho}_2\text{CoMnO}_6$	419685	<b>S. Drissi</b> Synthesis and characterization of the new $\text{Cu}_2\text{Fe}_{1-x}\text{Co}_x\text{SnS}_4$ nanoparticules for solar cells applications
405659	<b>M. Lassri, S. El Ouahbi, M. Sajieddine</b> Magnetic, magnetocaloric properties & phenomenological model of $\text{Fe}_{28}\text{Y}_{52}\text{B}_{20}$ alloy	415064	<b>S. Dlimi, L. Limouny, E. Baghaz, H. Elkhatat, A. Nait Alla, A. El Kaaouachi</b> Study of electrical conductivity behavior of wet spun graphene fiber
417544	<b>R. Chami, M. Chafi, L.h. Omari, M. Chhiba</b> Mixed B-site chalcogenide perovskites for solar energy harvesting: first Principles study	418072	<b>Z. Harimech, R. Amrousse</b> Thermal decomposition of ammonium dinitramide as green energy source of space propulsion
418076	<b>M. Lassri, S. El Ouahbi, M. Sajieddine, A. Elouafi</b> Structural and magnetic properties of $\text{FePO}_4$	417794	<b>M. Sakkay, A. El Maakoul, I. Elghandouri, S. Saadeddine, M. Meziane, A. Chakir, M. Saissi Hassani, A. Danil</b> Thermo-hydraulic performance of convective heat transfer from tubes in crossflow: A CFD approach
420002	<b>A. El Hachmi</b> Structural and optical properties of perovskites: $\text{Sr}_3\text{Fe}_{2+x}\text{Mo}_{1-x}\text{O}_{9-3x/2}$ ( $0.3 < x < 1$ )	417100	<b>E. Raouhi, M. Lachgar, A. Kartit</b> Towards Smart Farming Through IoT enabled technologies and Deep Learning-Based Automatic Irrigation Planning
422315	<b>A. Nait Alla L. Bammou, S. Alami, M. Najim, S. Bouchta, S. Dlimi, M. Feddaoui</b> Evaporation of a saltwater film in the presence of nanoparticles	415477	<b>H. El Kihal, M. A. Kinani, A. Lakdadri, Y. Mir, M. Zazoui</b> Ab-initio investigation of electronic, structural and optical properties of $\text{CaSnS}_3$ : DFT study
418057	<b>Y. El-Azizi</b> Study of magnetic and magnetocaloric properties of perovskite $\text{CaCrO}_3$	421650	<b>Y. Kasseh</b> Assessing the carbon footprint of public lighting services, a review and case study in Morocco

16:30 – 18:30

## Laboratoires de recherche :

Laboratoire de Mécanique, Productique et Génie Industriel (LMPGI), ESTC, Casablanca

Rayonnement-Matière et Instrumentation (RMI), FST, Settat

Chimie Appliquée et Environnement (CAE), FST, Settat

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