

Conférence Internationale de Dépollution des Eaux et Energies Vertes (CIDEEV'2022)

International Conference of Water Depollution and Green Energy

PROGRAMME CIDEEV 2022

MERCREDI 20 JUILLET 2022

08:00 – 08:30	Accueil et Inscription des participants - Cérémonie officielle d'ouverture	
09:00 – 09:30	Mots d'Ouverture	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 Mohammed Chafi, Président du comité d'organisation de la CIDEEV2022
09:30 - 10:30 G. Amphi M. Azzi F. Amraoui A. Essadki	Conférence invitée 1 : Traitement de polluants organiques persistants par procédé électro-Fenton : Perspectives d'un réacteur à cathode à lit fixe granulaire Pr. Didier Hauchard, Rennes, France Conférence invitée 2 : 3 zeros project, to solve water, energy and environment problems Al Kelsh Abdellah/Lybia Conférence invitée 3 : Réutilisation des Eaux Épurées des Stations de Traitement des Eaux Usées en tant qu'alternative à la sécheresse et à la pénurie d'eau Pr. Mohamed Tahiri, Université Hassan II de Casablanca, Maroc	
10:30 – 11:00	Pause-café - Session Posters 1	

Sessions orales 1 (sessions parallèles)

Thème 1					
Salle 1 : N. Kamil, A. Anouar, I. Bimaghra			Salle 2 : S. Zyade, A. Ech-chahed, A. Lamiri		
ID			ID		
416661	M. Tahiri, M. Zarri, F. Amraoui 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		419603	S. Kouzbou, B. Gourich Decadmiation of wet phosphoric acid solutions using sulfide precipitation process operating in batch and continuous modes: performance analysis and kinetic modeling	
418927	H. Hajjaoui, A.Soufi, M. Khnifira, M.Abdennouri, N.Barka. A novel magnetic polyaniline nanocomposite as an adsorbent to remove eriochrome black T dye from aqueous media.		420091	Z. Hader, M. Chafi, S. Akazdam La décoloration de la mélasse par un adsorbant issus de l'industrie sucrière	
420751	M. EL-HABACHA, A. DABAGH, S. LAGDALI, Y. MIYAH, G. MAHMOUDY, F. SINAN, M. CHIBAN, S. IAICH, M. ZERBET 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	F. Falil, A. Abourriche, Y. Abouliatim, Y. Rakcho, M. Mouiya, S. Mansouri, A. Benhammou, M. Oumam, B. Gourich, F. Allam, J. Alami, H. Hannache Development of low-cost adsorbent from agri-food waste for removing of methylene blue in wastewaters: adsorption isotherms, kinetic modeling, and characterization	
419604	N. NAJID, S. KOUZBOUR, B. GOURICH Adsorption of Organic Substances on Ultrafiltration membranes: Role on Permeate Flux Loss and Fouling Reversibility		420389	J. Attarki, M. KHNIFIRA, A. MAHSOUNE, M. SADIQ, N. BARKA, M. ABDENNOURI DFT calculations and Monte Carlo dynamic simulations adsorption mechanism study of methylene blue on Co3(PO4)2 (012) surface	
419547	A. ELOUAHLI, H. KHALLOK, F. ABIDA, N. MONCIF, Z. HATIM Apatitic Tricalcium phosphate production by Neutralization method optimization: High Sorption Capacity of Hexavalent Chromium Removal		418282	I. Chaouki, R. Belakhmima, Z. Aribou, N. Khemmou, N. Dkhirech, K. Rahil, S. Iguidir, M. Ebn Touhami Effect of initial pH and electric current on Brassware wastewater treatment using Electrocoagulation process	

Thème 1			
ID	Salle 3 : N. Barka, M. Ben Ali, M. Chiban	ID	Salle 4 : A. Dahchour, A. Elhalil, A. El Laghdach
419551	Falah Fatima Zahra Biochar as an Eco-Friendly Adsorbent for the Removal of Dyes from Aqueous Solutions	417773	R. BENHITI, T. BAHNARIU, M. CHIBAN, C. GABRIELA, F. SINAN Effects of synthesis conditions on the textural, morphology, and adsorption performance of layered double hydroxide particles
415055	M. Ilou, F. Abida , A. Kheribech , Z. Hatim Characterization of solid by-product obtained after heavy metals (Cu, Ni, Zn, Fe and Pb) removal from synthetic wastewater by electrocoagulation	418035	A. Dabagh , R. Benhiti, M. El -Habacha, M. Abali, M. Chiban, F. Sinan, M. Zerbet Efficient adsorbent derived from Carpobrotus edulis plant for the adsorption of Crystal Violet: isotherm, thermodynamic and desorption
414768	M. Asri, R. Ouafi, W. Bahafid, S. Elabed, A. Elabed , S. Ibensouda Koraichi , F. Costa, T. Tavares, N. El Ghachtouli Chromium removal by newly developed microbial consortia supported on wood husk	419501	R. Saddik, S. TIGHADOUINI, O. ROBY Élaboration d'un nouveau matériau hybride organique-inorganique pour la dépollution des eaux
420566	M. ROUDI CHEMAA, M. KHAMAR, A. NOUNAH, E. CHERKAoui, F. BENRADI Emerging "pharmaceutical" pollutants in municipal wastewater and their environmental fate	420878	A. Aboussabek, R. Aziam, A. Ait Ichou, M. Zerbet, F. Sinan, M. Chiban Fixed-bed column study for the adsorptive removal of acid blue 113 onto hybrid clay (Muscovite @ Fe ₃ O ₄)
420164	A. Essekre, H. Zouggar, F.Z. Mahir, M. Laabd, A. Ait Addi, A. Albourine Enhanced adsorptive removal of crystal violet dye from aqueous media using citric acid modified red-seaweed: experimental study combined with RSM process optimization	419653	M. EL HOUSSE , J. EL GAAYDA , S. BEN AAZZA , M. BELATTAR , A. HADFI , M. HAMDANI , A. DRIOUICHE Inhibition of inorganic scaling by green inhibitor in reverse osmosis plant treating brackish water
Thème 3			
ID	Salle 5 : L. Bammou, F. Lmai, L.H. omari		Salle 6 : M. Abid, S. Dlimi, A. kettani, A. Tizliouine
417793	A. Chakir, A. El Maakoul, I. El Ghandouri, S. Saadeddine, M. Meziane, M. Sakkay A comprehensive review of thermoelectric geometry with variable cross-section legs and structure optimization for performance enhancement	415529	C. Naim, A. Tizliouine Study of a floating wave energy exploitation system
420160	M. Mahir Maha An investigation of an Anaerobic digestion/PV hybrid system for 100% renewable energy microgrid in Morocco	407002	S. El Ouahbi, Z. Yamkane, R. Moubah, S. Derkaoui, H. Lassri Critical behavior and its correlation with magnetocaloric effect in Amorphous Fe ₄₀ Ni ₃₈ Mo ₄ B ₁₈ alloy
417792	I. Elghandouri, A. El Maakoul, S. Saadeddine, M. Meziane, A. Chakir, M. Sakkay, A. Elbouzidi Analysis and comparison of heat sinks with different fin shapes for cooling applications	420158	A. Emrani, A. Berrada, M. Bakhouya Deployment of green gravity-based energy storage system for redeveloping abandoned mine shafts: A case study in Morocco
4203	Y. Boukioud, R. Senhaji, Y. Mejdoub Buildings Energy Efficiency : A review	4192	Y. Khaddam Molecular design of D-Î€-A-Î€-D conjugated molecules based on carbazole for application in solar cells
418603	A. Elouafi, A. Tizliouine, M. Chafi, S. Derkaoui, H. Lassri Ce doping effect on the structural, magnetic and optical properties of hematite $\hat{1}\pm$ -Fe ₂ -xCe _x O ₃	415357	M. Elleuch, M. Mallek, D. Dhouib, A. Frikha Multi-criteria decision making for sustainable management of natural renewable resources
Thème 4			
	Salle 7 : A. Ouballouch, O. Bouksour, M. Najim		Salle 8 : M. Tanae, M. Mansouri, M. NAssraoui, T. Tbatou
410805	O. Ben Charhi A new approach for pavements reinforcement subjected to solicitations and admissible deformations	419452	H. Zniker, B. Ouaki, S. Bouzakraoui, M. K. Elkouifat, I. Feddal Comparative study on the repeated impact behavior of composites in civil engineering structures
419506	S. ABOUHAZIM, M. NASSRAoui, O. BOUKSOUR An overview on 3D concrete printing for a sustainable construction	418063	S. Al-Mahfadi Afrah Dams impacts on downstream wetlands (Case study in Ahwar delta in Yemen)
420542	A. Ziraoui, B. Kissi, H. Aaya Analyse statique non linéaire d'une structure en Béton armé (Pushover)	415735	J. Attarki

			DFT calculations and Monte Carlo dynamic simulations adsorption mechanism study of methylene blue on Co ₃ (PO ₄) ₂ (012) surface
415324	O. Outassafte, A. Adri, Y. Elkhouldar, I. Elhantati, S. Rifai, R. Benamar Analysis of linear and geometrically nonlinear free in-plane vibration of a functionally graded porous circular arch	417526	I. ESSAKET, A. EL MALIKI, O. CHERKAoui Effect of sisal fabric on mechanical properties of epoxy composites
406525	S. Jamoudi Sbai Application of CuCoO metallic nanoparticles in storage energy	417969	B. Bahja, A. Tizliouine, O. Lhaj Elhachmi Effect of treated natural fibers on mechanical properties of geopolymers activated by alkalis

12:30 – 14:00	Pause Déjeuner
14:00 – 15:30 G. Amphi B. Lekhlif M. Tahiri M. Feddaoui	Conférence Invitée 4 : Récents développements dans le domaine de l'élaboration de revêtements anticorrosion Jama Chareffeddine, Lille, France Conférence Invitée 5 : Catalytic filter for air pollution control prepared from local clays easily extruded as honeycomb monolith Tarik Chafik, FST, Tanger, Morocco Conférence Invitée 6 : phosphosilicate glasses – electrical characteristics Pedro Graca, Portugal
15:30 – 16:30	Pause-café - Session Posters 2

Sessions orales 2 (sessions parallèles)				
Thème 1				
Salle 1 : A. Errami, M. Dakkir, M. Zertoubi, K. Moustaid				
16:00 – 18:30	ID			
	420437	R. Saddik, S. Tighadouini, O. Roby Environmentally-friendly silica modified with 2-phenylimidazo [1,2-a] pyridine-3-carbaldehyde for Cu(II) removal from aqueous solution	420562	M. Roudi Chemaa, M. Khamar, A. Nounah , E. Cherkaoui, F. Benradi Les polluants émergents « produits pharmaceutiques» dans les eaux usées municipales et leurs devenir sur l'environnement
	415394	A. Sbai, S. Kounbach, E. Cheikh S'Id, M. Degue , C. Khaliffa, C. M'Bareckm Etude de la stabilité chimique du jus de cactus utilisé comme un flocculant naturel	419614	L. El Joumri, N. Labjar, S. El Hajjaji Life cycle assessment of the olive oil production: comparative studies and recent trends
	418010	Bouriqi Abdelillah 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	417603	A. Amarray, Y. Slek, E. Salmi, M. Dahbi, S. El Ghachtouli, M. Azzi MnO ₂ -Nanosheets Nanomaterial Synthesis: Potential Sorbent for Heavy Metals Removal
	415621	A. Eddaoukhi, M. Berradi, H. Nassali, A. Habsaoui, A. El Bachiri Evaluation of the impact of treated margins on the development of pepper (Capsicum Annum L.) grown on two different soils		

Thème 2			Thème 3		
Salle 2 : A. Elhalil, Y. Lghazi, S. Kholtei, M. Chafi			Salle 3 : S. Elghachtouli, J. Louafi, S. Derkaoui		
420260	Z. Habibi, O. Kamal, M. Riri, Y. Chaouqi, K. Touaj, S. Majid, M. Hlaibi Affinity polymer membrane containing NTA, EDTA and TREN as carriers for the recovery of Ni (II) from Waste Li-ion batteries		420425	H. Zahdi, O. Oulhakem, S. Aazou, S. Laalioui, M. Belaÿche, K. B. Alaoui, Z. Sekkat Numerical optimization study of silicon-based cell for photoelectrochemical wastewater treatment	
419502	S. Es-sakali, A. Anouar Alkaline synthesis of nanocrystalline apatite from raw phosphate- effect of surfactant		418196	K. Mounich, A. Wahabi, M. Chafi, Y. Mejdoub, H. K. Ibrahim Design of a meteo station for aquisition of meteorological measurements using sensors and arduino board powered by solar energy.	
420877	M. Mouloudi, M. Essahli, M. Chhiba, M. Chafi Étude numérique de la corrosion par piquûre d'aluminium à l'aide d'un modèle du transport réactif multi-espèces		420789	E. Bouiri, E. Omari, N. Chakhchaoui, O. Cherkaoui development and characterisation of polymer-based composites with reinforced Î ² -phase	
418030	M. Belhadi, M. Oubahou, S.Tighadouini, M. Chafi Evaluation of corrosion inhibition efficiency of phenanthroline for carbon steel C48 in 1M hydrochloric acid HCl: Theoretical and experimental investigations		420161	F. Laihemdi, M. Chafi, Y. Abouliatim, A. Tizliouine Development of a clay-based proton exchange membrane with starch and sawdust for a microbial fuel cell.	
419377	A. Chahid, M. Essahli, M. Chafi Experimental and computational studies on the corrosion inhibition of Aluminum		420104	A. Aynaou, B. Youbi, Y. Lghazi, M. Ait Himi, C. Elhaimer, J. Bahar, A. Sahlaoui, I. Bimaghra Effect of electrodeposition potential on the electrochemical performance of polyaniline electrodeposited on an ITO substrate	
417801	I. El Ghandouri, A. Elmaakoul, S. Saadine, M. Sakkay, A. Chakir CFD analysis on heat transfer and pressure drop characteristics in tube goûter with twisted tape insert		420895	I. Elhamdi Effects of Cr ³⁺ mol% on the structure and optical properties of ZnAl ₂ O ₄ biomarkers spinels	
419394	A. Barhoumi, A. Matine, M. Belhadi, S. Byadi, M. Chafi, M. Elalaoui Belghiti, H. EL Alaoui, El Abdalloui, A. Zeroual Theoretical study of the inhibition of aluminum corrosion in an acid medium by organic inhibitors: Genistein, Daidzein and Biochanin A		418142	R. Foulad, S. Amellah, S. Jebli, Sahib Amal-Oudiâ, A. Bouaziz Environnement et Coûts de la qualité : quelle relation ?	
418050	F. Gugouch, M. Elghorba, M. Barakat Maintainability of CPVC Piping Using Experimental Tests		411732	K. Lamhour, A. Tizliouine, O. Cherkaoui Evaluation of the mechanical properties of a bio-composite reinforced with woven alfa fibers for wind turbine blade application	
Thème 4					
Salle 4 : M. Benchikhi, A. Tizliouine, S. Zyade					
414977	B. Debabeche, S. Cherhabil 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		420337	A. Lekdadri Magnetic hysteresis and anisotropy in evaporated Co/Mn multilayers	
420262	H. ELMOUDNIA, M. WAQIF, R. JALAL, L. SAADI Extraction and characterization of natural cellulosic fiber from Washingtonia robusta palm (WRP)		418592	H. Boutkhil Mechanical properties and microstructure of fly ash C Concrete	
415541	A. Khtibar, A. Ennaji, A. Kartouni, M. Elghorba Impact of strain rate on mechanical behavior of CPVC		419503	F. Baalla, A. Maziri, E. Mallil, J. Echaabi Natural Fibers as Building Materials	
415197	Y. El Khouddar, A. Adri, O. Outassafte, I. El Hantati, S. Rifai, R. Benamar Linear and nonlinear vibration analysis of FGM beams with porosity in thermal environments		407080	A. Belhaouzi, S. Zyade Numerical modelling of the effective thermal conductivity of Polysulfone-Based Composites	

420130	A. Natic Magnetic and optical properties of bulk CrI3		
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Fin de la 1^{ère} journée

JEUDI 21 JUILLET 2022

08:00 - 10:30 G. Amphi S. Zyade B. Elamrani, A. Chafiai	Conférence invitée 7 : Valorisation des argiles dans diverses applications environnementales Benzina Mourad, Sfax, Tunisie
	Conférence invitée 8 : Leveraging AI/ML and remote sensing for pollution monitoring Kaba Salaheddine, CMTC, Morocco
	Conférence invitée 9 : Contribution au développement de ciments bas carbone Elhafiane Youssef, Limoges, France
10:30 – 11:00	Pause-café - Session Posters 3

Sessions orales 3 (sessions parallèles)

11:00 – 12:30	Thème 1			
	ID	Salle 1 : H. Jounaid, A. Errami, A. Anouar	I D	Salle 2 : M. Essahli, S. Elghachtouli, C. Jama
	415479	E. El-Abboubi, F.Z. Mahjoubi, A. Oussama, N. Barka Structural and morphological investigations of layered double hydroxides as effective adsorbents of Methyl Orange	413836	M. Kasbaji, M. Mennani, M. Oubenali, M. Mbarki, A. Moubarik Valorization of waste lignocellulosic material as precursor of a new high biosorbents for the adsorption of methylene blue from aqueous solution
	415043	S. Jaddoudi, A. El Hourch, A. Dahchour, S. El Hajjaji, A. Duerling Rolf Studies on the behavior of ivermectin in the soils from gharb region in Morocco	417704	M. ZARRI, N. CHAKRI, F. AMRAOUI, M. TAHIRI 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	Fadili Amina Suivi et distribution du temps de séjour (DTS) dans une colonne à bulles	417342	A. Machrouhi, H. Khia, A. Elhalil, M. Sadiq, M. Abdennouri, N. Barka Novel ZnO/activated carbon composite: Synthesis, characterization and photocatalytic degradation of methyl orange dye
	420531	S. EL QDHY, R. BENHITI, A. ABOUSSABEK, M. CHIBAN, M. ZERBET, F. SINAN Synthesis, characterization, and application of Cu-Mg-Al Layered Double Hydroxide for the degradation of acid blue 113 dye in aqueous solution	418567	R. Aftiss, M. Najim Numerical study of passive solar still with PCM
	415524	Chemaa Abdeljalil Synthesis, Characterization, Electrical and Dielectric Properties of Ni ₃ (PO ₄) ₂ .8H ₂ O	415187	Raji Yosra Preparation and characterization of a bio-adsorbent from Moringa oleifera pod waste
		Salle 3: M. Abdennouri, S. Zyade, K. Moustaid, N. Barka		Salle 4: A. Tazi, R. Drissi, M. Kaddami, A. Elamrani
	415876	M. El rharib, Z. Zaroual, M. Azzi Preparation and characterization of Moroccan clay for Kinetic, thermodynamic and isotherm studies of heavy metals adsorption	416295	A. SOUFI, H. HAJJAOU, M. KHNIFIRA, M. ABDENNOURI, N. BARKA Optimization parameters, kinetics and mechanism of indigo carmine dye removal by catalytic wet peroxide oxidation with a magnetic ferrite nanoparticle catalyst
	417785	A. Wakrim, D. Hauchard, M. Azzi Procédé électrochimique d'oxydation avancée en réacteur à cathode volumique - Application au traitement d'un effluent contaminé par un colorant azoïque	417608	O. Roby, S. Tighadouini, R. Saddik, A. Aboulmouhajir Organically modified silica with Schiff bases as a new environmental-friendly adsorbent for solid-liquid extraction of Cu(II) from aqueous solutions

419680	J. KOUAR, A. CHERIF, N. KAMIL Removal of anionic dye from aqueous solution by synthesized adsorbent	419657	A. AIT EL MAHJOUB, S. KOUZBOUR, B. GOURICH, F. AUDONNET, F. ALLAM Performance evaluation of Pretreatment Technologies for Removing Dissolved Silica from Brackish Groundwater Treatment by Reverse Osmosis
417527	R. AZIAM, L. BOUKARMA, M. ABALI, E. EDDAOUDI, M. ZERBET, M. CHIBAN Removal of anionic dyes in a binary system using Moroccan prickly pear cactus peel as natural adsorbent: Kinetic, Isotherm and thermodynamic studies	415536	B. LIZOUL, F. KZAIBER, M. BENHARAF, M. SOUSSI EL BEGRANI, F. BENNESNES, E. ZAHIDI Retention of Heavy Metals Using Calcium Phosphate Materials
410836	El Amri Radouane (1), Elkacmi Reda (1), Hasib Aziz (1), Boudouch Otmane (1) Removal of pharmaceutical contaminant from an aqueous solution using living microalgae: effect of operating parameters on removal efficiency and mechanisms		
Thème 3			
ID	Salle 5 : S. Dlimi, L. Bammou, M.A. Elmhammedi,		Salle 6 : A. NaitAlla, Y. Mejdoub,
418288	I. Abdelrhafor, L. Omari, El Hachemi, E. Hlil First principles study of the electronic properties of Li ions in LiCoO ₂	419504	B. El Ghmari, H. Farah, A. Echchahad, E. Nadir Green synthesis, characterization of silver oxide nanoparticles by Herniaria Hirsuta and their photocatalytic applications of dyes
4201	Y. Bouzhar, M. Berradi Optimization of heat energy consumption in the clinker firing process in a cement factory	4069	A. Faddouli Integration of Smart Hybrid System in a Greenhouse to Supply the Heating, and Cooling Demands
415453	A. Alioui Photovoltaic performance and power conversion efficiency prediction of solar cells: A photo current-voltage assessment.	419669	A. Bhar, S. Jemjami Inventaire, atténuation et valorisation du biogaz produit en une décharge contrôlée du Maroc
419986	M. Othmani, M. Lamchich Power Management and Control of a Grid- Connected DFIG based Wind turbine/PV/Battery Hybrid Renewable Energy System	418594	S. Ezairi, A. Elouafi, F. Lmai Fatima, A. Tizliouine, M. Chafi Large reversible magnetocaloric effect in antiferromagnetic Er ₂ Ir ₂ O ₇ compound
420922	K. Saadaoui, R. K. Senhaji, A. Aboudou, Y. Mejdoub Floating and normal pv, prospects, comparaison and efficiency	420291	O. Bayousfi 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
Thème 4			
	Salle 7 : H. Ifassiouen, A. Ibnlfassi, S. Krime		Salle 8 : Y. Abouliatim, M. Chiban, A. Adri
419433	R. FAKHREDDINE, N. SAJAI, H. BELLEFQIH, R. TIGHA, A. AATIQ Preparation, Crystal structure and spectroscopic studies of new A(Sb _{0.5} Cr _{0.5})(PO ₄) ₂ (A= Sr, Pb and Ba) yavapaiite phases	417625	A. Akhrout, S. Krime Synthesis, structural and optical properties of Na ₂ O-CaO-CuO-P ₂ O ₅ glasses
418052	R. Hattaf, A. Aboulayt, N. Lahlou, M. Ouazzani Touhami, M. Gomina, A. Samdi, R. Moussa Recycling Geopolymer Waste	419460	A. Azouz, F. Lmai, Y. Ben Smail, A. Imad, N. Hamidallah, A. El Moumen The effect of washing wool fibers on their thermal stability
420134	H. Bellefqih, R. Fakherddine, A. Aatiq Structure, infrared and Raman spectroscopic studies of new BaSbV ₂ /3XII ₁ /3(PO ₄) ₂ (XII = Mn, Co, Cu, Zn) yavapaiite type-phases	417353	A. Ammari Thermal, Chemical and Mineralogical properties of soil building blocks reinforced with cement
418555	H. Soumadrass, Z. Beidouri, K. Zarbane Study and intervention of the pathologies and defects of the ancient buildings: a case of Derb Sultan in Casablanca, Morocco	419670	K. Zraraa, F. Errachidi Valorization of Flax Solid Waste in Ecological Building Materials
419688	N. SAJAI, R. FAKHREDDINE, A. CHAHINE Synthesis, Infrared spectroscopic and chemical durability of lead "calcium"phosphate glasses		

14:00 – 15:30 G. Amphi A. El Kaaouachi, L.H. Omari, H. Elomari	Conférence invitée 10 : Réfrigération magnétique, effet magnétocalorique des oxydes de type pérovskites Dhahri Essebti, Sfax, Tunisie
	Conférence invitée 11 : Green Energetic Propellants as Sustainable Space Materials: from Lab Scale to Pilot Plant Scale up Rachid Amrousse, UCD, Morocco
	Conférence invitée 12 : Behaviour of Perovskite oxides under extreme conditions: High temperature, high pressure and composition induced phase transitions Manoun Bouchaib, FSTS, UH1, Morocco
15:30 – 16:00	Pause-café - Session Posters4

Sessions orales 4 (sessions parallèles)				
16:00 – 18:30	Thème 1			
	ID	Salle 1 : Y. Karhat, N. Kamil, M. Chiban, M. Dakkir		
	420600	A. Dabagh, M. Abali, A. Ait Ichou, R. Benhiti, M. El Habacha, F. Sinan, M. Zerbet Modélisation de l'adsorption des colorants Rhodamine B et Rouge Congo sur la plante <i>Carpobrotus edulis</i>	408811	Z. Zmirli, H. Chaair, B. Sallek Optimization of cyanide removal by electrocoagulation in an internal loop airlift reactor using response surface methodology (RSM)
	414799	H. AKICHOUH, A.TAHANI, H.AMHAMDI Modélisation de l'échange ionique à l'interface montmorillonite/solution et applications pour la dépollution des eaux usées	419693	H. Ditona Tsumbu, D. Cammaerts, I. Adant, F. Lelo Nzuzi Perrenité ou légimité ? Analyse du rôle de l'opacité sur les coûts de l'eau potable dans les ASUREPs en zone péri-urbaine de Kinshasa
	415559	S. EL HARFAOUI, K.DIGUA, H. CHAAIR Statistical optimization and Modeling for COD reduction of reactive black-5 dye from industry effluents using experimental design methodology	419796	Rakcho Yassine Fabrication and characterisation of a ceramic membrane made of clay and a new pore-forming agent for use in the treatment of industrial wastewater
	Thème 2		Thème 3	
	Salle 2 : M. Samdi, M. Chhiba, M. Zertoubi		Salle 3 : L.H. Omari, H. Lassri, J. Louafi	
	419683	I. Bahaj Imane, M. Kaddami, M. Essahli, N. Labjar Microstructural and Surface Degradation of Al reinforced by Intermetallic compounds in Acidic Environment.	419679	M. Tair, M. Chafi, R. Chami, A. Tizliouine, L. H. Omar modeling of hydrogen storage in solid-state
	415532	M. Mouloudi, M. Essahli, M. Chhiba, M. Chafi Numerical study of aluminum pitting corrosion using a multi-species reactive transport model	417763	O. El Oujih, Tizliouine Abdeslam, A. Elouafi, L. E. Omari, H. Salhi Magnetic and Magnetocaloric properties of Sm-doped in double perovskite $\text{Ho}_2\text{CoMnO}_6$
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