



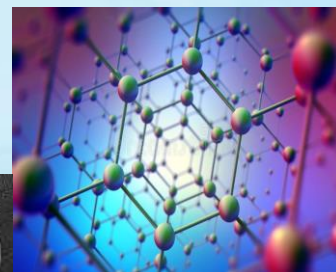
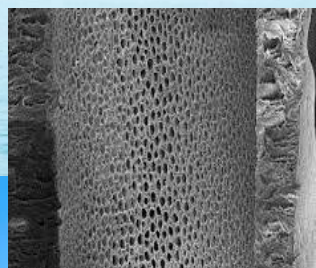
Conference Program

The Second International Symposium on Nanomaterials and Membrane Science for Water, Energy and Environment, Desalination and Reuse in the face of water scarcity

SNMS 2021

Tangier - Morocco

June 1st&2nd 2022



Organized by

Moroccan Membrane and Desalination Society

Laboratory of Materials, Membranes and Environment - University Hassan II of Casablanca

Laboratory of Advanced Materials and Process Engineering - Ibn Tofaïl University, Kenitra

Moroccan Membrane and Desalination Society - FST Mohammedia, PB146. 20650-Mohammedia - Morocco





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Tuesday May 31, 2022:

15:30 - 18:30: Registration - Conference office: Hotel Royal Tulip - Tangier

Wednesday June 1, 2022: The Second International Symposium of Nanomaterials and Membrane Science

08:00 - 09:00	Registration Conference office: Hotel Royal Tulip	
09:00 - 09:45	Grand opening ceremony & honoring *, Royal Hall	
09:45 - 10:20	M. ELIMELECH (Plenary lecture), Selective Ion Transport in Polymeric Membranes, Yale University, New Haven – USA	PL1
10:20 - 10:50	Coffee Break 	
Chairs:		
10:50 - 11:25	P. MIELE (Plenary lecture), 2D Materials-Based Nanostructured Interfaces For Membrane And Energy Application, ENSCM, Montpellier - France	PL2
11:25 - 12:00	A. IRIS. SCHÄFER (Plenary lecture), Decentralized renewable energy powered membrane filtration systems: implementation potential and challenges in Africa, Karlsruhe Institute of Technology - Germany	PL3
12:00 - 12:35	M. KHARIF (Plenary lecture), ONEE Experience in Terms of Water Desalination, ONEE, Rabat – Morocco	PL4
12:35 - 14:20	Lunch   	

* We honor two of the leading professors in the membrane field.

1- Prof Miriam Balaban, Italy

- Editor-in-Chief of the Desalination and Water Treatment journal
- Secretary General in the European Desalination Society


2- Prof Louis Cot, France

- Ex-Director of the European Institute of Membranes
- Ex-Director UNESCO SIMEV Chair

Salle 1

Topic 1: Nanomaterials and Membrane for Water

Chairs:

14:30 - 14:55	R. BEN AMAR (Keynote lecture), Progress in development of low-cost ceramic membranes toward various applications in water treatment, University of Sfax - Tunisia	KN1
14:55 - 15:20	F. ZAVISKA (Keynote lecture), Flow electrode capacitive deionization for water desalination: optimizing ion removal capacity and flowing properties of activated carbon flow electrodes, European Institute of Membranes, University of Montpellier - France	KN2
15:20 - 15:35	M. TAHAIKT (oral lecture), Comparison of the performance of three nanofiltration membranes for the reduction of fluoride ions: Application of the Spiegler - Kedem and Steric Hindrance pore models, Ibn Tofail University, Kenitra - Morocco	O1
15:35 - 15:50	D. BEQQOUR (oral lecture), Development of composite ultrafiltration membrane made of PmPD/PVA layer deposited on ceramic pozzolan/micronized phosphate support and its application for congo red dye removal, University Hassan II of Casablanca - Morocco	O2
15:50 - 16:00	J. CASETTA (PhD Student, oral lecture), Nano-composite hollow fibers membranes based on graphene oxide (GO) for water purification, European Institute of Membranes, University of Montpellier - France	O3
16:00 - 16:30	Coffee Break, Poster session and Stands visit 	


Chairs:

16:30 - 16:45	S. BENKHAYA (oral lecture), Preparation of a novel composite membrane made of polysulfone/polyetherimide layer and flat Polyamide /fiberglass/ Polyamide support for removal of dyes ultrafiltration: Experimental and Molecular dynamics simulations, Ibn Tofail University, Kenitra - Morocco	O4
16:45 - 16:55	H. LAALAOUA (PhD Student, oral lecture), Surface characterization and interfacial analysis of organic membranes: an investigation on electrical and wettability phenomenon, University Sidi Mohamed Ben Abdellah of Fez - Morocco	O5
16:55 - 17:05	I. NDIAYE (PhD Student, oral lecture), Study of the prediction model of water flux through a forward osmosis membrane, Euro-Med Research Institute Fes - Morocco	O6
17:05 - 17:15	H. ZEGGAR (PhD Student, oral lecture), Characterization of ion transfer and modeling of fouling in nanofiltration and reverse osmosis membranes, Ibn Tofail University, Kenitra – Morocco	O7
17:15 - 17:25	Y. KOUZI (PhD Student, oral lecture), Preparation and characterization of low-cost GO-based membrane grafted on kaolinite support. Application for dyes removal, University Hassan II of Casablanca - Morocco	O8
17:25 - 18:00	Poster session and Stands visit / get together to Hotel Royal Tulip	

Salle 2

Topic 2: Nanomaterials and Membrane for Environment

Chairs:

14:30 - 14:55	S. CHAKRABORTY (Keynote lecture), Plasmonic Nanomaterials for Environmental applications, University of Calabria - Italy	KN3
14:55 - 15:10	K. EL BELRHITI (oral lecture), Water quality control and its role in desalination plant's design and operation, ONEE, Rabat - Morocco	O9
15:10 - 15:25	V. CALABRO (oral lecture), To study the effectiveness of Zinc Oxide nanoparticles immobilized on Thin Film Composite (TFC) membrane for removal of Methyl Orange, University of Calabria - Italy	O10
15:25 - 15:35	K. SOFAINI (PhD Student, oral lecture), Comparative study of electro dialysis and anion-exchange resin in nitrate removal from groundwater, Ibn Tofail University, Kenitra - Morocco	O11
15:35 - 15:45	I. EL ARROUJI (PhD Student, oral lecture), Development of HPW based catalyst as a potential nanocomponent of NOx catalytic converter, University of Sidi Mohammed Ben Abdellah, Fez - Morocco	O12
15:45 - 15:55	G. ACHAGRI (PhD Student, oral lecture), Multifunctional PET fabric coated magnetic CoFe ₂ O ₄ /GO with high catalytic activity for peroxy monosulfate activation and degradation of rhodamine B, University Hassan II of Casablanca - Morocco	O13
15:55 - 16:30	Coffee Break, Poster session and Stands visit 	


Chairs:

16:30 - 16:45	F. PETROSINO (oral lecture), Multiscale modeling approach for Plasmonic Nanoparticle-Interfaced Membranes, University of Calabria - Italy	O14
16:45 - 16:55	A. EL ATTAR (PhD Student, oral lecture), Designing new material based on functionalized multi-walled carbon nanotubes and Cu(OH) ₂ -Cu ₂ O/Polypyrrole catalyst for ethanol oxidation in alkaline medium, University Hassan II of Casablanca - Morocco	O15
16:55 - 17:10	S. KITANOU (oral lecture), Membrane bioreactor for domestic wastewater treatment: energetic assessment, Ibn Tofail University, Kenitra - Morocco	O16
17:10 - 17:20	A. ESSATE (PhD Student, oral lecture), Development of polysulfone/polystyrene ultrafiltration membrane on pozzolan support for organic dyes removal, University Hassan II of Casablanca – Morocco	O17
17:10 - 17:20	R. MOURATIB (PhD Student, oral lecture), Low-cost ceramic membrane made from physicochemical drinking water treatment sludge and its application to wastewater filtration, Chouaib Doukkali University, El Jadida - Morocco	O18
17:20 - 18:00	Poster session and Stands visit / get together to Hotel Royal Tulip	




Salle 1

Topic 3: Desalination and membranes technologies

Chairs:

09:00 - 09:35	M. BARBOIU (Plenary lecture), Artificial Water Channels - toward biomimetic membranes for desalination, European Institute of Membranes - UMR CNRS, University of Montpellier - France	PL5
09:35 - 10:00	M. TAKY (Keynote lecture), Desalination in Morocco: Status, Prospects and Challenges, Ibn Tofail University, Kenitra - Morocco	KN4
10:00 - 10:15	A. A. ALWARTHAN (oral lecture), extraction of organic volatile pollutants in over-saturated water by pervaporation technique using a poly (dimethylsiloxane) - based sealer as a membrane, King Saud University - Saudi Arabia	O19
10:15 - 10:30	A. ATTIA (oral lecture), Preparation and characterization of ceramic flat membrane based on Clay-zeolite for the treatment of colored solution, University of Sfax - Tunisia	O20
10:30 - 10:40	H. ABUELGASIM (PhD student, oral lecture), Studying fouling behavior of layer - by - layer modified nanofiltration capillary membranes in water treatment and its impact on separation performance, University of Duisburg, Essen - Germany	O21
10:40 - 11:10	Coffee Break, Poster session and Stands visit 	

Chairs:

11:10 - 11:20	F. Z. CHARIK (PhD Student, oral lecture), Transmission of small charged and uncharged organic pollutants in reverse osmosis of salty & sea waters, University Rennes 1, France - University Hassan II of Casablanca - Morocco	O22
11:20 - 11:30	E. Mendoza (PhD Student, oral lecture), Fertilizer drawn forward osmosis for greywater treatment, ICRA-CERCA: Catalan Institute for Water - Spain	O23
11:30 - 11:45	W. EL-HARRAKI (oral lecture), Desalination into the national water policy in Morocco, Direction of water resources planning and research, Ministry of Equipment and Water - Morocco	O24
11:45 - 11:55	B. BACHIRI (PhD Student, oral lecture), Electrodialysis performances in water softening and scaling prevention, Ibn Tofail University, Kenitra - Morocco	O25
11:55 - 12:10	A. ABUSHABAN (oral lecture), Investigating the correlation between Bacterial growth potential in SWRO feed water and the development of biofouling in full - scale desalination plants, University of Mohammed VI Polytechnic Ben Guerir - Morocco	O26
12:10 - 12:20	I. KARMAL (PhD Student, oral lecture), The inhibition of precipitation of caco3 scale in brackish water reverse osmosis using a green inhibitor, Ibn Zohr University, Agadir - Morocco	O27
12:20 - 14:00	Lunch   	



Thursday June 2, 2022: The Second International Symposium of Nanomaterials and Membrane Science

Salle 2

Topic 4: Innovative wastewater treatment and reuse

Chairs:

09:00 - 09:25	J. COMAS (Keynote lecture), Decision support system for the Assessment of water reuse schemes, University of Girona - Spain	KN5
09:25 - 09:40	F. KHALIL (oral lecture), Efficiency of a coagulation - flocculation process using opuntia ficus indica for the treatment of a textile effluent, University Sidi Mohammed Ben Abdellah, Fez - Morocco	O28
09:40 - 09:55	S. BELHAMIDI (oral lecture), Biogas production by anaerobic digestion of vinasse derived from ethanol manufacturing, Faculty of Sciences, Ibn Tofail University, Kenitra - Morocco	O29
09:55 - 10:10	G. BLANDIN (oral lecture), FORWARD-FACTORY: Implementation of forward osmosis to transform urban, University of Girona, Girona - Spain	O30
10:10 - 10:20	Y. EL HAIMER (PhD Student, oral lecture), Olive oil mill wastewater treatment by freezing and thawing process, Chouaib Doukkali University, El Jadida - Morocco	O31
10:20 - 10:30	K. V. LUMAMI (PhD student, oral lecture), Intermediate results of research on the Removal of heavy metals from surface water using chitosan/ ZIF-8 mixed-matrix membranes, Hydrobiology Research Center, Uvira, R.D.Congo - Catholic University of Louvain - Belgium	O32
10:30 - 10:40	I. EL. MRABET (PhD student, oral lecture), Efficient Treatment of Landfill Leachate using Fenton-like Process Coupled with Adsorption into a Natural Bentonite, Sidi Mohamed Ben Abdellah University, Fez - Morocco	O33
10:40 - 11:10	Coffee Break, Poster session and Stands visit 	
Chairs:		
11:10 - 11:20	N. ELFILALI (PhD student, oral lecture), Effectiveness of membrane bioreactor / reverse osmosis hybrid process for advanced purification of landfill leachate, Ibn Tofail University, Kenitra - Morocco	O34
11:20 - 11:30	N. DAHBI (PhD student, oral lecture), Economic impact of the reuse of raw wastewater in irrigation: meso-economic survey on the largest perimeters of the Kingdom of Morocco where this practice is widely used (Meknes, Khemisset, Tiflet and Sidi Allal El Bahraoui), Moulay Ismail University, Meknes - Morocco	O35
11:30 - 11:40	K. MAIPHETLHO (PhD student, oral lecture), Technical design and optimisation of semi-upscaled polymer inclusion membrane (PIMs) based passive sampler for passive remediation of metal ions in acid mine drainage (AMD), University of the Witwatersrand, Johannesburg - South Africa	O36
11:40 - 11:50	A. KABBOUR (PhD student, oral lecture), Domestic wastewater treatment using Tidal Flow constructed wetland: a case study in the complex Bouregreg - ONEE RABAT, University Hassan II of Casablanca - Morocco	O37
11:50 - 12:00	A. BELGADA (PhD Student, oral lecture), Composite electrified membrane for pretreatment of seawater for RO desalination, Yale University, USA - University Hassan II of Casablanca – Morocco	O38
12:00 - 14:00	Lunch   	

Thursday June 2, 2022: The Second International Symposium of Nanomaterials and Membrane Science		
Topic 5: Nanomaterials and Membrane for Energy		
Chairs:		
14:00 - 14:35	M. RABILLER - BAUDRY (Plenary lecture), Strengths and weaknesses of OSN to separate complex reaction mixtures of homogeneous catalyzed hydroformylation versus distillation, University Rennes I - France	PL6
14:35 - 14:50	B. ACHIOU (oral lecture), Preparation of low-cost zeolite-based membrane for dehydration of alcohols, University Hassan II of Casablanca - Morocco	O39
14:50 - 15:05	F. ELAZHAR (oral lecture), Nitrate removal from Moroccan groundwater by Nanofiltration: Configuration modes and energetic assessment, Ibn Tofail University, Kenitra - Morocco	O40
15:05 - 15:20	O. SAMHARI (oral lecture), Enhanced Desalination NF Membranes Incorporating Artificial Water Chanel (Awcs), European Institute of Membranes, University of Montpellier - France	O41
15:20 - 15:35	V. EDERY (oral lecture), Characterization of highly interconnected pores by liquid extrusion porometry (LEP), gas liquid displacement porometry (GLDP) and pore network simulation (PNS), Institut de la Filtration et des Techniques Séparatives - France	O42
15:35 - 15:45	S. CHEMCHOUB (PhD Student, oral lecture), Novel pure phosphate with Nickel nanoparticles as Effective Catalysts for ethanol and methanol Electrocatalytic Oxidation, University Hassan II of Casablanca - Morocco	O43
15:45 - 16:15	Coffee Break, Poster session and Stands visit 	
16:15 - 17:00	Closing Ceremony/ Awards for the best oral and poster communications*	
20:00 - 23:00	Conference Dinner 	

*During the Closing Ceremony, one prize will be awarded to an academician with less than eight years of practice, and five prizes will be awarded to PhD students.

Poster Session	
P1	F. KHALIL , Optimization of coagulation flocculation conditions using experimental designs for Landfill leachate treatment in Morocco, Sidi Mohamed Ben Abdellah University, Fez - Morocco
P2	M. ACHIK , Apply a circular economy to protect the environment (reuse pyrrhotite ash to make clay bricks), Sidi Mohamed Ben Abdellah University, Fez - Morocco
P3	H. SAADI , Degradation of methylene blue dye in an industrial water photocatalyzed by ZnO nanopowders, University Hassan II of Casablanca - Morocco
P4	Z. BENCHEQROUN , Application of Moroccan cedar sawdust for the removal of textile dyes from aqueous solutions, Sidi Mohamed Ben Abdellah University, Fez - Morocco
P5	E. M. LEMDEK , Preparation and characterization of ecological nano-pigments based on rare earth phosphates, Moulay Ismail University Meknes - Morocco
P6	A. TAHIRI , The influence of a zeolite layer deposited on membrane supports based on Moroccan Rif clay on the retention of some dyes, Moulay Ismail University Meknes - Morocco
P7	C. MOUNIR , Catalytic reduction of para-nitrophenol over Cu nanoparticles catalysts supported on biopolymers chitin and chitosan, Moulay Ismail University Meknes - Morocco
P8	F. ELAZHAR , Nanofiltration-Reverse osmosis hybrid process for hardness removal in groundwater with higher recovery rate and minimization of brine discharges, Ibn Tofail University Kenitra - Morocco
P9	M. MESSAOUDI , Adsorption process of the malachite green onto clay: kinetic and thermodynamic studies, Moulay Ismail University Meknes - Morocco
P10	M. ZAIT , Performance of three ultrafiltration ceramic membranes reducing polluting load of landfill leachate, Ibn Tofail University Kenitra - Morocco
P11	K. JEBBOUR , Valuation of three clays from the Fès-Meknes region designed for the manufacture of membranes, Sidi Mohamed Ben Abdellah University Fez - Morocco
P12	M. MESSAOUDI , Removal of two dyes by tangential nano-filtration with new clay-based membranes, Moulay Ismail University Meknes - Morocco
P13	M. ELAZHAR , Optimization of parameters process on volatile fatty acid, and methane production from Sotrameg vinasses anaerobic digestion, Ibn Tofail University Kenitra - Morocco
P14	M. ELAZHAR , Industrial-scale anaerobic digestion of vinasse in Morocco: Performances and statistical models, Ibn Tofail University Kenitra - Morocco
P15	A. KARIM , Ultrafiltration membranes made from natural clays for dye removal, effect of purified clay structure on membrane morphology and performance, University Hassan II of Casablanca - Morocco
P16	B. MOUMNI , Technological properties of fired clay bricks containing different kind of wastes, Sidi Mohamed Ben Abdellah University Fez - Morocco
P17	H. AYYOUB , Membrane Bioreactor Treatment of fish canning industry wastewater, Ibn Tofail University Kenitra - Morocco
P18	S. BENALLA , Feasibility of electrodialysis in heavy metals removal from Brassware wastewaters, Ibn Tofail University Kenitra - Morocco
P19	F. ADDAR , Fluoride removal by nanofiltration: experimentation, modelling and prediction based on the surface response method, Ibn Tofail University Kenitra - Morocco
P20	H. EL OUADRASSI , Structural and microstructural characterization of an iron-rich clay based acid geopolymer cement, University Abdelmalek Essaadi of Tangier - Morocco
P21	M. EL. HOUSSE , Valorization of Agricultural Waste Extracts as an Efficient, Eco-friendly and Inexpensive Inhibitor of Scaling, Ibn Zoh University Agadir - Morocco
P22	S. EL ABBADI , Study and monitoring of the elimination of phenol by adsorption on clay from the region of Fez, Moulay Ismail University - Morocco

P23	F. GOURCHANE , Efficacy of duckweeds in the purification of wastewater destined for reuse, Mohammed V University - Morocco
P24	H. ELKHDIME , Fertilizing power of vinasse issued from ethanol production plant on the quality of soil and the growth of parsley (<i>Petroselinum crispum</i>), Ibn Tofail University, Kenitra - Morocco.
P25	Y. ZAHIRI , Optimization and modeling of a fixed-bed biosorption of textile dye using biomass from Moroccan Sahara, Mohammed V University - Morocco
P26	H. LOUKILI , Adsorption of textile dyes using different types of Moroccan clays, University Hassan II of Casablanca - Morocco
P27	H. BELLOUK , Treatment of landfill leachate of Fez city using coagulation/flocculation followed by advanced oxidation processes, Sidi Mohamed Ben Abdellah University - Morocco
P28	B. NECHCHADI , Dyes adsorption from aqueous solution using a eco-friendly porous adsorbent aerogel, Chouaib Doukkali University - Morocco
P29	O. CHOUKAI , Modeling of SWGH by a block diagram environment program and an equations solver program and simulations on different Moroccan locations, Ibn Tofail University - Morocco
P30	S. ALLAOUI , Valorization of two natural materials: crude olive stone and Ghassoul in the elaboration of ceramics supports, Moulay Ismaïl University - Morocco
P31	A. EL BAKRI , Removal of phenol by adsorption on synthetic calcium phosphates, Ibn Tofail University - Morocco
P32	I. ZORKANI , Impact of climate change on photovoltaic productivity in the Fez-Meknes region, Sidi Mohamed Ben Abdellah University - Morocco
P33	H. JAZI , Sintering effect on cationic and anionic dyes adsorption efficiency using natural red clay, University Hassan II of Casablanca - Morocco
P34	M. TAHRI , Nutrient removal performance within the biological treatment of the Marrakech WWTP and characterization of the aeration process and non-aeration via temporary DO and ORP measurements, Ibn Tofail University - Morocco
P35	N. ZOUHRI , Techno-economic comparison of the performance of nanofiltration and reverse osmosis membranes in reducing the salinity of M'irt water city (Morocco), Ibn Tofail University - Morocco
P36	S. AARABI , Study of the quality of bouregreg's estuary and the impact of development projects, Mohammed V University - Morocco
P37	A. BELGADA , Nanosized NiFe ₂ O ₄ /phosphate composite adsorbent for organic dyes, University Hassan II of Casablanca - Morocco
P38	H. JALTÉ , Nitrate removal by Nanofiltration powered by a hybrid system of renewable energies (solar and wind): technical- economic assessment, Ibn Tofail University - Morocco
P39	G. FATTAH , Elimination of heavy metals in textile effluents by coagulation-flocculation: treatment optimization using Box-Behnken design, Mohammed V University - Morocco
P40	O. NAHID , Study of RO membranes fouling by inorganic salts - Influence on rejection of salts, University Sidi Mohamed Ben Abdellah - Morocco
P41	M. BCHITI , Modeling of permeation flux decline during NaCl Removal using Nanofiltration and Reverse Osmosis Membranes, Ibn Tofail University - Morocco
P42	M. RABILLER - BAUDRY , Evaluation of Graphene Oxide/Polyethersulfone (GO/PES) mixed matrix membranes for desalination and model effluent treatment, Univ Rennes 1 - France
P43	O. ZAKIR , Synthesis and characterization of anodic TiO ₂ Nanotubes for Photocatalytic Applications, University Cadi Ayyad - Morocco
P44	M. LOUTFI , Valorization and elimination of Zinc from aqueous solutions by using natural clay, Ibn Tofail University - Morocco

P45	F. GOURCHANE , Influence of climatic conditions and aquatic environment on the growth of <i>Lemna gibba</i> in the pilot lagoon treatment plant of Bouregreg RABAT-Morocco, Mohammed V University and ONEE-Branche Eau - Morocco
P46	H. ELAOUANIA , Environmental impact of Laayoune plant's desalination and brine management: Challenges and mitigation measures, Chouaib Doukkali University - Morocco
P47	M. EL HAFIDI , Effect of the filtration layer depth on the treatment performances of vertical flow constructed wetlands Planted with <i>Papyrus Cyperus</i> , University Hassan II of Casablanca - Morocco
P48	Z. BOUABDALLAH , Coupling of membranes bioreactor and ferrates for the treatment of leachate from household waste, IEM - University of Montpellier - France
P49	M. ENNOUHI , Progress of treatment process by desalination and description of some units in Morocco: A review, Mohammed V University - Morocco
P50	S. EL AGGADI , Violet 5R textile azo dye behavior and its anodic oxidation in acidic environment, Mohammed V University - Morocco
P51	L. BENRAHMANE , Domestic wastewater Treatment by floating plants " <i>Cyperus papyrus</i> and <i>Typha latifolia</i> ": Adaptation of plants to Moroccan coast, University Hassan II of Casablanca - Morocco
P52	A. ABDELJALIL , Towards an environmental risk evaluation of industrial wastewater, University Ibn Zohr - Morocco
P53	M. AIT BAIH , Processing optimisation of Titanium Ultrafiltration Membrane using response surface methodology based on Box-Behnken design, University Ibn Zohr - Morocco
P54	H. EL MOUSTANSIRI , Low-cost clay-based mineral membrane for pretreatment of raw seawater and clarification of tannery wastewater, Moulay Ismail University - Morocco
P55	N. KHAYYA , Vapor permeation of alcohols through free-standing Bilayer Silica, Bielefeld University - Germany
P56	A. EL-KORDY , Treatment of wastewater contaminated by phenol by adsorption process on prepared and characterized zeolite, Moulay Ismail University - Morocco
P57	G. AZIATE , Sludge recirculation impact on conventional treatment at Khenifra station - Morocco, Mohammed V University - Morocco
P58	A. LAHNAFI , Elaboration of clay/zeolite A composite membranes and their application on the depollution of liquid effluents containing heavy metals, University of Moulay Ismail - Morocco
P59	O. SALHI , Highly sensitive electrochemical sensor based on poly 1-8 diaminonaphthalene combined with cysteine and carbon black nanoparticles for nitrite detection in water samples, University Hassan II of Casablanca - Morocco
P60	M. KALAN DIALLO , Copper Nanodendrites/Pozzolan for the electrooxidation of Alcohols in alkaline media, University Hassan II of Casablanca - Morocco
P61	A. EL-KORDY , Preparation of Sodalite and Faujasite Clay Composite Membranes and Their Utilization in the Decontamination of Dye Effluents, Moulay Ismail University, Meknes - Morocco
P62	R. MOURATIB , Removal of Acid red 97 from aqueous solutions using drinking water treatment sludge: Kinetics, equilibrium and thermodynamic, Chouaib Doukkali University - Morocco.
P63	M. RHOMDANI , Preparation of low-cost nanocomposite for dye removal from colored solution by coupling Adsorption-Ultrafiltration, University of Sfax - Tunisia
P64	H. H. NAWAZ , Photodegradation of Textile Pollutants in Wastewater by Nanocomposite Membranes, University of Manchester - United Kingdom
P65	ML. DLAMINI , An oxidoreductase enzyme, fungal laccase immobilized on zeolitic imidazolate frameworks for the biocatalytic degradation of an endocrine-disrupting chemical, Dimethyl Phthalate, University of the Witwatersrand - South Africa
P66	S. EL-GHZIZEL , Brine recycling impact on nitrate removal and electrochemical disinfection performances: Case study of Sidi Taibi desalination plant, Ibn Tofail University - Morocco

P67	D. BEQQOUR , Removal of congo red dye by ultrafiltration composite membrane of PpPD/PVA on flat pozzolan/micronized phosphate ceramic support, University Hassan II of Casablanca - Morocco
P68	M. OUAMMOU , Preparation of a composite membrane made of PoPD/PVA ultrafiltration layer on ceramic pozzolan/micronized phosphate support for removal of Congo red dye, Hassan II University of Casablanca - Morocco
P69	A. LHASSANI , Selective ions elimination using a nanofiltration operation: Application to the defluoridation of brackish water, Sidi Mohamed Ben Abdellah University, Fez - Morocco
P70	Z. CHAFIQ EL IDRISSE , Application of Box-Behnken design for optimizing parameters of copper II removal from aqueous solutions using fly ash zeolite: kinetic, equilibrium and thermodynamic studies, University Hassan II of Casablanca - Morocco
P71	D. EL MACHTANI IDRISSE , Fabrication, microstructural characterization and water permeability behavior of a novel porous ceramics membrane made from perlite and kaolinite mixtures, University Hassan II of Casablanca - Morocco
P72	S. ADLANE , Adsorption and removal of heavy metals from aqueous solution by pyrophyllite clay as low-cost absorbant, University Hassan II of Casablanca - Morocco
P73	P. LOULERGUE , Polyhydroxyalkanoate (PHA) a promising biopolymer family for membrane fabrication, Univ Rennes 1- France
P74	F. SINAN , Improved retention of (cordierite / ZrO ₂) membrane by incorporation of inert solid biomaterial: application to the retention of Cu ²⁺ , Ibn Zohr University, Agadir - Morocco
P75	M. ABALI , Removal of orthophosphate ions by adsorption on shrimp shell particles: Application to the wastewater of the natural lagoon process in the Tiznit city of Morocco, Ibn Zohr University, Agadir - Morocco
P76	A. AIT ICHOU , Elaboration and characterization of two LDH-type anionic clays: application to the retention of Cu(II) and Pb(II) metal ions in aqueous solution, Ibn Zohr University, Agadir - Morocco
P77	M. BREIDA , Application of tight γ -Al ₂ O ₃ ultrafiltration membranes for removal of anions from water solutions, University Hassan II of Casablanca - Morocco
P78	W. TAANAOU , Tight Ultrafiltration Ceramic Membrane (alumina and zirconia) for Separation of Dyes and Salts in Wastewater Treatment, University Hassan II of Casablanca - Morocco
P79	S. N. DIOP , Renewable Energy Powered Membrane Process for Removal of Excess Fluoride Ions and Safe Drinking water Supply in Rural Areas in Senegal, University Assane SECK of Ziguinchor - Senegal
P80	K. AGAYR , Influence of operating conditions on the recovery of sulfate from phosphogypsum by nanofiltration, Mohammed VI Polytechnic University, Morocco, University Côte d'Azur, Nice - France

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