Faculté : Technologie

Laboratoire : Biomatériaux et Phénomènes de Transport LBMPT

Code du laboratoire : 0560103

Equipe : Synthèse et caractérisation physico-chimique des biomatériaux

Code de l'équipe de recherche : 0560103

N	Auteurs	Titre de l'article	Journal	Catégorie A+/A/B	Lien sur net ou DOI	Année de punlication
1	Yahia Belaissa et al.	A new hetero-junction p -CuO/ n -ZnO for the removal of amoxicillin by photocatalysis under solar irradiation	J TAIWAN INST CHEM E	A	https://doi.org/10.1016/j.jtice.2016.09.002	2016
2	Hamadache mabrouk et al.	A Quantitative Structure Activity Relationship for acute oral toxicity ofpesticides on rats: Validation, domain of application and prediction	J HAZARD MATER	A+	https://doi.org/10.1016/j.jhazmat.2015.09.021	2016
3	Boukhelkhal Asmaa et al.	Adsorptive removal of amoxicillin from wastewater using wheat grains: equilibrium, kinetic, thermodynamic studies and mass transfer,	DESALIN WATER TREAT	A	https://doi.org/10.1080/19443994.2016.1166991	2016
4	Hamadache mabrouk et al.	Artificial neural network-based equation to predict the toxicity of herbicides on rats	CHEMOMETR INTELL LAB	A	https://doi.org/10.1016/j.chemolab.2016.03.007	2016

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5	Sediri Meriem et al.	Artificial Neural Networks Modeling of Dynamic Adsorption From Aqueous Solution	Moroccan Journal of Chemistry	B	https://doi.org/10.48317/IMIST.PRSM/morjchem-v5i2.7785	2017
6	Mahammadou Harouna Bassirou et al.	New approach of the fouling process modeling in tangential filtration on cake	DESALIN WATER TREAT	A	doi: 10.5004/dwt.2017.20576	2017
7	Djamel Atsamnia et al.	Prediction of the antibacterial activity of garlic extract on E. coli, S.aureus and B. subtilis by determining the diameter of the inhibition zones using artificial neural networks	LWT-FOOD SCI TECHNOL	A	https://doi.org/10.1016/j.lwt.2017.04.053	2017
8	Bitam Said et al.	QSAR model for prediction of the therapeutic potency of N-benzylpiperidine derivatives as AChE inhibitors	SAR QSAR ENVIRON RES	A	https://doi.org/10.1080/1062936X.2017.1331467	2017
9	Hamadache mabrouk et al.	Multilayer Perceptron Model for Predicting Acute Toxicity of Fungicides on Rats	International Journal of Quantitative Structure-Property Relationships	B	https://doi.org/10.4018/IJQSPR.2018010106	2018
10	Bitam Said et al.	Prediction of therapeutic potency of tacrine derivatives as BuChE inhibitors from quantitative structure–activity relationship modelling	SAR QSAR ENVIRON RES	A	https://doi.org/10.1080/1062936X.2018.1423640	2018

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11	Hamadache mabrouk et al.	QSAR modeling in ecotoxicological risk assessment: application to the prediction of acute contact toxicity of pesticides on bees (Apis mellifera L.)	ENVIRON SCI POLLUT R	A	https://doi.org/10.1007/s11356-017-0498-9	2018
12	Boukhelkhal Asmaa et al.	Use of an anionic surfactant for the sorption of a binary mixture of antibiotics from aqueous solutions,	ENVIRON TECHNOL	A	https://doi.org/10.1080/09593330.2018.1472301	2018
13	Mhammadou Harouna Bassirou et al.	Modeling of transitional pore blockage to cake filtration and modified fouling index – Dynamical surface phenomena in membrane filtration,	CHEM ENG SCI	A	https://doi.org/10.1016/j.ces.2018.07.054	2019
14	Mahammadou harouna Bassirou et al.	New Alternative of Enhancing Hospital Hygiene Facing Pseudomonas aeruginosa Drug Resistance Impact of Hypertonic Saline Solutions on the Behavior of P. aeruginosa	ACS Omega	B	https://doi.org/10.1021/acsomega.8b02733	2019
15	Gheraba Lamia et al.	Prediction of Climatic Parameters from Physicochemical Parameters using Artificial Neural Networks: Case Study of Ain Defla (Algeria)	KUI	B	https://doi.org/10.15255/KUI.2019.004	2019

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16	Bitam Said et al.	2D QSAR studies on a series of (4S,5R)-5-[3,5-bis(trifluoromethyl)phenyl]-4-methyl-1,3-oxazolidin-2-one as CETP inhibitors	SAR and QSAR in Environmental Research	A	https://doi.org/10.1080/1062936X.2020.1765195	2020
17	S. Belmadani et al.	Artificial Neural Network Models for Prediction of Density and Kinematic Viscosity of Different Systems of Biofuels and Their Blends with Diesel Fuel. Comparative Analysis.	KUI	B	https://doi.org/10.15255/KUI.2019.053	2020
18	Rahal Sofiane et al.	In silico prediction of critical micelle concentration (CMC) of classic and extended anionic surfactants from their molecular structural descriptors	Arabian Journal for Science and Engineering	A	https://doi.org/10.1007/s13369-020-04598-0	2020
19	Mahammadou harouna Bassirou et al.	Optimization of Diauxienne Growth of Pseudomonas aeruginosa in the Bioremediation of Soils Polluted by Hydrocarbons	ACTA SCIENTIFIC MICROBIOLOGY	A	http://dx.doi.org/10.31080/ASMI.2020.03.0578	2020
20	H. Maouz et al.	QSPR studies of carbonyl, hydroxyl, polyene indices, and viscosity average molecular weight of polymers under photostabilization using ANN and MLR approaches	KUI	B	https://doi.org/10.15255/KUI.2019.022	2020

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21	Imane Khezrane et al.	Use of hydrocarbons sludge as a substrate for the production of biosurfactants by Pseudomonas aeruginosa ATCC 27853	Environmental monitoring and assessment	A	https://doi.org/10.1007/s10661-020-08269-3	2020
22	Laidi Maamar et al.	CMC OF DIVERSE GEMINI SURFACTANTS MODELING USING A HYBRID APPROACH COMBINING SVR-DA	Chemical Industry & Chemical Engineering Quarterly	A	https://doi.org/10.2298/CICEQ200907048L	2021
23	M. Hammoudi et al.	Optimisation of the Microencapsulation of an Active Ingredient by Crosslinking and the Coating Method to Target Colon Diseases	KUI	B	https://doi.org/10.15255/KUI.2020.056	2021
24	K. Otmanine et al.	Preventive Activity of Giner (Zingiber officinale) Against Myelotoxicity and Hepatotoxicity Induced by Cyclohexatriene and Identification of the Most Active …	KUI	B	https://doi.org/10.15255/KUI.2020.062	2021
25	OMARI Souhila et al.	Response surface methodology for the study of interactions between components in a micellar system formulation	Journal of the Serbian Chemical Society	A	https://doi.org/10.2298/JSC210216033O	2021
26	Yahia Belaissa et al.	A new hybrid process for Amoxicillin elimination by combination of adsorption and photocatalysis on (CuO/AC) under solar irradiation	Journal of Molecular Structure	A	https://doi.org/10.1016/j.molstruc.2022.132769	2022

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27	Mohamed Sannad et al.	A numerical simulation under milk fouling in a plate heat exchanger in the presence of a porous medium	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	B	https://doi.org/10.37934/arfmts.91.1.117	2022
28	Djamel Atsamnia et al.	Comparative Therapeutic Properties of Garlic Extract and Metformin on Hyperglycaemia, Hypercholesterolaemia, and Hypertriglyceridaemia in Alloxan-induced Type1-like Diabetic Rats	KUI	B	https://doi.org/10.15255/KUI.2021.035	2022
29	Abd Elaziz Sarrai et al.	Modeling and optimization of Tylosin adsorption using dehydrated wheat bran: adsorption behaviors, kinetic and thermodynamic studies	Reaction Kinetics, Mechanisms, and Catalysis	A	https://doi.org/10.1007/s11144-022-02241-7	2022
30	Imane Euldji et al.	QSPR Modelling of the Solubility of Drug and Drug-like Compounds in Supercritical Carbon Dioxide	Molecular Informatics	A	https://doi.org/10.1002/minf.202200026	2022
31	Yahia Belaissa et al.	Removal of amoxicillin in aqueous solutions by a chemical activated carbons derived from Jujube nuts: adsorption behaviors, kinetic and thermodynamic studies	Reaction Kinetics, Mechanisms, and Catalysis	A	https://doi.org/10.1007/s11144-022-02159-0	2022
32	Mohamed Kouider Amar et al.	Rheological and structural study of solid lipid microstructures	Journal of Pharmaceutical Innovation	A	https://doi.org/10.1007/s12247-022-09642-0	2022

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		stabilized within a lamellar gel network				
33	OMARI Souhila et al.	Synthesis and characterization of activated carbon from red pumpkin skin for the removal of ionic dyes	Water Practice & Technology	B	https://doi.org/10.2166/wpt.2022.038	2022
34	Bitam Said et al.	2D-QSAR, docking, molecular dynamics, studies of PF-07321332 analogues to identify alternative inhibitors against 3CLpro enzyme in SARS-CoV disease	Journal of Biomolecular Structure and Dynamics	A	https://doi.org/10.1080/07391102.2022.2113822	2023
35	N. Ghalem et al.	A new comprehensive model of thermal conductivity for hydrofluoroolefins refrigerants using feed-forward back-propagation neural networks	Thermophysics and Aeromechanics	B	https://doi.org/10.1134/S086986432302018X	2023
36	Imane Euldji et al.	A new hybrid quantitative structure property relationships-support vector regression (QSPR-SVR) approach for predicting the solubility of drug compounds in supercritical carbon …	AIChE journal	A	https://doi.org/10.1002/aic.18115	2023
37	Achouak Madani et al.	In silico prediction of the inhibition of new molecules on SARS-CoV-2 3CL protease by using QSAR: PSOSVR approach	Brazilian Journal of Chemical Engineering	A	https://doi.org/10.1007/s43153-023-00332-z	2023

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38	Widad Benmouloud et al.	Machine learning approach for the prediction of surface tension of binary mixtures containing ionic liquids using σ-profile descriptors	International Journal of Quantum Chemistry	A	https://doi.org/10.1002/qua.27026	2023
39	Yahia Belaissa et al.	Methylene blue Photo-degradation on the Hetero-junction system α-Fe2O3 / BaTiO3 under sunlight	Journal of Photochemistry and Photobiology A: Chemistry	A	https://doi.org/10.1016/j.jphotochem.2023.114634	2023
40	Rahal Sofiane et al.	Remediation of crude oil polluted soil using washing process with surfactant in batch reactor	Algerian Journal of Environmental Science and Technology Vol.9 n°2	B	-	2023
41	H. Fodil Cherif et al.	Thermodynamic and kinetic study of the improvement of the adsorption efficiency of Hexavalent chromium (VI) ions by encapsulated modified prickly pear peel	Algerian Journal of Environmental Science and Technology Vol.9 n°3	B	-	2023
42	Imane Euldji et al.	Hybrid Improved Grey Wolf Support Vector Regression Algorithm for Modeling Solubilities of APIs in Pure Ionic Liquids: σ-Profile Descriptors	Journal of Chemical Information and Modeling	A	https://doi.org/10.1021/acs.jcim.3c01876	2024

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43	Nada Boukelkal et al.	QSPR for the prediction of critical micelle concentration of different classes of surfactants using machine learning algorithms	Journal of Molecular Graphics and Modelling	A	https://doi.org/10.1016/j.jmgm.2024.108757	2024
44	Bitam Said et al.	Targeting bladder cancer with Trigonella foenum-graecum: a computational study using network pharmacology and molecular docking	Journal of Biomolecular Structure and Dynamics	A	https://doi.org/10.1080/07391102.2023.2217926	2024
	Auteurs	Titre du chapitre	Livre		Lien sur net ou DOI	Editeur
45	Mabrouk Hamadache et al.	QSAR Approaches and Ecotoxicological Risk Assessment	Ecotoxicological QSARs		https://doi.org/10.1007/978-1-0716-0150-1_25	Humana, New York, NY
46	Mabrouk Hamadache et al.	Contribution of Chemometric Modeling to Chemical Risks Assessment for Aquatic Plants: State-of-the-Art	Chemometrics and Cheminformatics in Aquatic Toxicology		https://doi.org/10.1002/9781119681397.ch20	John Wiley & Sons, Inc
47	Hamadache M.et al.	Environmental Toxicity of Pesticides, and Its Modeling by QSAR Approaches: In: Roy K. (eds) Advances in QSAR Modeling. Challenges and Advances in Computational Chemistry and Physics,	Advances in QSAR modeling. Callenges and Advances..		https://doi.org/10.1007/978-3-319-56850-8_13	Springer International Publishing

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