

Faculté : Technologie

Laboratoire : Biomatériaux et Phénomènes de Transport LBMPT

Code du laboratoire : 0560100



Equipe : Phénomènes de transport dans les matériaux poreux & environnement

Code de l'équipe de recherche : 0560101

N	Nom et prénom des auteurs	Titre de l'article	Journal	Catégorie A+/A/ B/C	Lien sur net ou DOI	Année de publication
1	Y Ammi, L Khaouane, S Hanini	A comparison of "neural networks and multiple linear regressions" models to describe the rejection of micropollutants by membranes	Kemija u industriji: Časopis kemičara i kemijskih inženjera Hrvatske	B	https://hrcak.srce.hr/clanak/342677	2020
2	N Melzi, L Khaouane, S Hanini, M Laidi, Y Ammi, H Zentou	Optimization methodology of artificial neural network models for predicting molecular diffusion coefficients for polar and non-polar binary gases	Journal of Applied Mechanics and Technical Physics	B	https://link.springer.com/article/10.1134/S0021894420020066	2020
3	H Maouz, L Khaouane, S Hanini, Y Ammi, M Hamadache, M Laidi	QSPR studije karbonilnih, hidroksilnih, polienskih indeksa i prosječne molekulske težine polimera pod fotostabilizacijom pristupom ANN i MLR	Kemija u industriji: Časopis kemičara i kemijskih inženjera Hrvatske	B	https://hrcak.srce.hr/clanak/338337	2020

Faculté : Technologie

Laboratoire : Biomatériaux et Phénomènes de Transport LBMPT

Code du laboratoire : 0560100



4	H Maouz, L Khaouane, S Hanini, Y Ammi, M Hamadache, M Laidi	QSPR studies of carbonyl, hydroxyl, polyene indices, and viscosity average molecular weight of polymers under photostabilization using ANN and MLR approaches	Kem. Ind	B	http://silverstripe.fkit.hr/kui/assets/Uploads/1-1-16.pdf	2020
5	H Maouz, L Khaouane, S Hanini, Y Ammi, M Laidi, H Benimam	The prediction of carbonyl groups during photo-thermal and thermal aging of polymers using artificial neural networks	Algerian Journal of Environmental Science and Technology		https://www.aljest.net/index.php/aljest/article/view/333	2020
6	S Belmadani, S Hanini, M Laidi, C Si-Moussa, M Hamadache	Artificial Neural Network Models for Prediction of Density and Kinematic Viscosity of Different Systems of Biofuels and Their Blends with Diesel Fuel. Comparative Analysis.	Kemija u Industriji	B	http://silverstripe.fkit.hr/kui/assets/Uploads/1-355-364.pdf	2020
7	H Benimam, C Si-Moussa, M Hentabli, S Hanini, M Laidi	Dragonfly-support vector machine for regression modeling of the activity coefficient at infinite dilution of solutes in imidazolium ionic liquids using σ -profile descriptors	Journal of Chemical & Engineering Data	A	https://pubs.acs.org/doi/abs/10.1021/acs.jced.0c00168	2020
8	Y Ammi, L Khaouane, S Hanini	Stacked neural networks for predicting the membranes performance by treating the pharmaceutical active compounds	Neural Computing and Applications	B	https://link.springer.com/article/10.1007/s00521-021-05876-0	2021

Faculté : Technologie

Laboratoire : Biomatériaux et Phénomènes de Transport LBMPT

Code du laboratoire : 0560100



9	Y Ammi, S Hanini, L Khaouane	An artificial intelligence approach for modeling the rejection of anti-inflammatory drugs by nanofiltration and reverse osmosis membranes using kernel support vector machine	Comptes Rendus. Chimie	B	https://comptes-rendus.academie-sciences.fr/chimie/item/CRCHIM_2021_24_2_243_0/	2021
10	M Laidi, HA Abdallah, C Si- Moussa, O Benkortebi, M Hentabli, S Hanini	CMC of diverse Gemini surfactants modelling using a hybrid approach combining SVR-DA	Chemical Industry and Chemical Engineering Quarterly	B	https://doiserbia.nb.rs/Article.aspx?id=1451-93722000048L	2021
11	W BENMOULOUD , C SI-MOUSSA, O BENKORTBI	Machine learning approach for the prediction of surface tension of binary mixtures containing ionic liquids using σ -profile descriptors	International Journal of Quantum Chemistry	B	https://onlinelibrary.wiley.com/doi/abs/10.1002/qua.27026	2022
12	I EULDJI, C SI- MOUSSA, M HAMADACHE, O BENKORTBI	QSPR Modelling of The Solubility of Drug and Drug-Like Compounds in Supercritical Carbon Dioxide	Molecular Informatics	B	https://onlinelibrary.wiley.com/doi/abs/10.1002/minf.202200026	2022
13	EA Saleh, L Khaouane, S Hanini, M Laidi	Development of Novel Dimensionless Parameters for Accurate Estimation of Properties in Fluidized Beds	Iranian Journal of Chemistry and Chemical Engineering	B	https://www.ijcce.ac.ir/article_709257.html	2023

Faculté : Technologie

Laboratoire : Biomatériaux et Phénomènes de Transport LBMPT

Code du laboratoire : 0560100



14	A Khaouane, L Khaouane, S Ferhat, S Hanani	Deep Learning for Drug Development: Using CNNs in MIA- QSAR to Predict Plasma Protein Binding of Drugs	AAPS PharmSciTech	B	https://link.springer.com/article/10.1208/s12249-023-02686-6	2023
15	Faiza Omari, Latifa Khaouane, Maamar Laidi, Abdellah Ibrir, Mohamed Roubehie Fissa, Mohamed Hentabli, Salah Hanani	Dragonfly algorithm–support vector machine approach for prediction the optical properties of blood	Computer Methods in Biomechanics and Biomedical Engineering	B	https://www.tandfonline.com/doi/abs/10.1080/10255842.2023.2228957	2023
16	MR Fissa, Y Lahiouel, L Khaouane, S Hanani	Development of QSPR-ANN models for the estimation of critical properties of pure hydrocarbons	Journal of Molecular Graphics and Modelling	A	https://www.sciencedirect.com/science/article/abs/pii/S1093326323000487	2023
17	A Dahmani, Y Ammi, S Hanani	A Novel Non-Linear Model Based on Bootstrapped Aggregated Support Vector Machine for the Prediction of Hourly Global Solar Radiation	Smart Grids and Sustainable Energy	B	https://link.springer.com/article/10.1007/s40866-023-00179-w	2023
18	Y Ammi, C Si- Moussa, S Hanani	Machine Learning and Neural Networks for Modelling the Retention of PPhACs by NF/RO	Kemija u industriji: Časopis kemičara i kemijskih inženjera Hrvatske	B	https://hrcak.srce.hr/309800	2023

Faculté : Technologie

Laboratoire : Biomatériaux et Phénomènes de Transport LBMPT

Code du laboratoire : 0560100



19	F Kratbi, Y Ammi, S Hanini	Support Vector Machines for Evaluating the Impact of the Forward Osmosis Membrane Characteristics on the Rejection of the Organic Molecules.	Kemija u Industriji	B	http://silverstripe.fkit.hr/kui/assets/Uploads/1-417-431-KUI-7-8-2023.pdf	2023
20	A Dahmani, Y Ammi, S Hanini, M Redha Yaiche, H Zentou	Prediction of hourly global solar radiation: comparison of neural networks/bootstrap aggregating	Kemija u industriji: Časopis kemičara i kemijskih inženjera Hrvatske	B	https://hrcak.srce.hr/295720	2023
21	Abdennasser Dahmani, Yamina Ammi, Nadjem Bailek, Alban Kuriqi, Nadhir Al- Ansari, Salah Hanini, Ilhami Colak, Laith Abualigah, El- Sayed M El- Kenawy	Assessing the Efficacy of Improved Learning in Hourly Global Irradiance Prediction	Computers, Materials and Continua	B	https://www.diva-portal.org/smash/record.jsf?pid=diva2%3A1824733&dswid=988	2023
22	I Euldji, A Belghait, C Si- Moussa, O Benkortbi, A Amrane	A new hybrid quantitative structure property relationships-support vector regression (QSPR-SVR) approach for predicting the	AIChE Journal	A	https://aiche.onlinelibrary.wiley.com/doi/abs/10.1002/aic.18115	2023

Faculté : Technologie

Laboratoire : Biomatériaux et Phénomènes de Transport LBMPT

Code du laboratoire : 0560100



		solubility of drug compounds in supercritical carbon				
23	S Tared, L Khaouane, S Hanini, A Khaouane, M Roubehie Fissa	Enhancing lung cancer prediction through crow search, artificial bee colony algorithms, and support vector machine	International Journal of Information Technology	B	https://link.springer.com/article/10.1007/s41870-024-01770-9	2024
24	A Bouzidi, Y Ammi, N Baaka, M Hentabli, H Maouz, M Laidi, S Hanini	Artificial Neural Network Approach to Predict the Colour Yield of Wool Fabric Dyed with Limoniastrum monopetalum Stems	Chemistry Africa	B	https://link.springer.com/article/10.1007/s4250-023-00755-8	2024
25	I Euldji, W Benmouloud, K Padaszyński, C Si-Moussa, O Benkortbi	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://pubs.acs.org/doi/abs/10.1021/acs.jcim.3c01876	2024