

Theme 6-1: Water and Wastewater Treatment - 2021

Title	Authors	Scopus Source title	Volume	Issue	Pages	Source type	Publication type	Open Access
A comprehensive review on membrane fouling: Mathematical modelling, prediction, diagnosis, and mitigation	Alsawafah, N. Abuwatfa, W. Darwish, N. Hussein, G.	Water (Switzerland)	13	9	-	Journal	Review	Gold Green
Efficient removal of phenol compounds from water environment using Ziziphus leaves adsorbent	Al Bsoul, A. Hailat, M. Abdelhay, A. Tawalbeh, M. Al-Othman, A. Al-Kharabsheh, I.N. Al-Taani, A.A.	Science of the Total Environment	761	-	-	Journal	Article	
Membrane bioreactor for wastewater treatment: A review	Al-Asheh, S. Bagheri, M. Aidan, A.	Case Studies in Chemical and Environmental Engineering	4	-	-	Journal	Letter	Gold
Recent progress and challenges of adsorptive membranes for the removal of pollutants from wastewater. Part II: Environmental applications	Qalyoubi, L. Al-Othman, A. Al-Asheh, S.	Case Studies in Chemical and Environmental Engineering	3	-	-	Journal	Article	Gold
Comprehensive review of membrane design and synthesis for membrane distillation	Qasim, M. Samad, I.U. Darwish, N.A. Hlail, N.	Desalination	518	-	-	Journal	Review	
Recent progress and challenges on adsorptive membranes for the removal of pollutants from wastewater. Part I: Fundamentals and classification of membranes	Qalyoubi, L. Al-Othman, A. Al-Asheh, S.	Case Studies in Chemical and Environmental Engineering	3	-	-	Journal	Article	Gold
Ionic liquids and deep eutectic solvents for the recovery of phenolic compounds: effect of ionic liquids structure and process parameters	Khan, A.S. Ibrahim, T.H. Jabbar, N.A. Khamis, M.I. Nancarrow, P. Mjalli, F.S.	RSC Advances	11	20	12398-12422	Journal	Review	Gold Green
COSMO-RS based screening of ionic liquids for extraction of phenolic compounds from aqueous media	Khan, A.S. Ibrahim, T.H. Rashid, Z. Khamis, M.I. Nancarrow, P. Jabbar, N.A.	Journal of Molecular Liquids	328	-	-	Journal	Review	
Preparation of sustainable activated carbon-alginate beads impregnated with ionic liquid for phenol decontamination	Khan, A.S. Ibrahim, T.H. Khamis, M.I. Nancarrow, P. Iqbal, J. AlNashif, I. Jabbar, N.A. Hassan, M.F. Mjalli, F.S.	Journal of Cleaner Production	321	-	-	Journal	Article	
Chlorination breakpoint with nitrite in wastewater treatment: A full factorial design experiments	Khawaga, R. Abouleish, M. Abdel Jabbar, N. Al-Asheh, S.	Journal of Environmental Chemical Engineering	9	1	-	Journal	Article	
Role of cation and alkyl chain length on the extraction of phenol from aqueous solution using NT2-based ionic liquids: Experimental and computational analysis	Khan, A.S. Ibrahim, T.H. Khamis, M.I. Nancarrow, P. Jabbar, N.A.	Journal of Molecular Liquids	326	-	-	Journal	Article	Green
Adsorption potentials of iron-based metal-organic framework for methyl orange removal: batch and fixed-bed column studies	Karami, A. Sabouni, R. Al-Sayah, M.H. Aidan, A.	International Journal of Environmental Science and Technology	18	11	3597-3612	Journal	Article	Green
Simultaneous adsorption and reduction of Cr(VI) to Cr(III) in aqueous solution using nitrogen-rich aminal linked porous organic polymers	Sabri, M.A. Sara, Z. Al-Sayah, M.H. Ibrahim, T.H. Khamis, M.I. El-Kadri, O.M.	Sustainability (Switzerland)	13	2	1-13	Journal	Article	Gold Green
Cationic Surfactant-Natural Clay Complex as a Novel Agent Against Acanthamoeba castellanii Belonging to the T4 Genotype	Akbar, N. Siddiqui, R. Khamis, M. Ibrahim, T. Khan, N.A.	Eye & contact lens	47	11	592-597	Journal	Article	
Removal of selected non-steroidal anti-inflammatory drugs from wastewater using reduced graphene oxide magnetite	Zaka, A. Ibrahim, T.H. Khamis, M.	Desalination and Water Treatment	212	-	401-414	Journal	Article	
Comparative analysis of aeration and oscillation in a suspended catalyst photocatalytic membrane reactor	Sabouni, R. Gomaa, H.G.	Chemical Engineering Research and Design	173	-	55-62	Journal	Article	
Photocatalytic demulsification of oil/water emulsions containing nonionic surfactant	Shubair, A. Al-Salih, H. Sabouni, R. Gomaa, H. Hassanin, S. Salem, S. Zeno, T. El Taher, B. Zaka, A.	Environmental Science and Pollution Research	28	11	13124-13132	Journal	Article	Green
Leachability of microplastic from different plastic materials	Mortula, M.M. Atabay, S. Fattah, K.P. Madbulu, A.	Journal of Environmental Management	294	-	-	Journal	Article	
GIS-based vulnerability analysis of the United States to COVID-19 occurrence	Ali, T. Mortula, M. Sadiq, R.	Journal of Risk Research	24	3-4	416-431	Journal	Article	
Non-Destructive Water Leak Detection Using Multitemporal Infrared Thermography	Yahia, M. Gawai, R. Ali, T. Mortula, M.M. Albasha, L. Landolsi, T.	IEEE Access	9	-	72556-72567	Journal	Article	Gold
Assessment of factors affecting bromate formation in drinking water bottles	Mortula, M.M. Atabay, S. Ismail, H.S. Aljafari, N.	International Journal of Hydrology Science and Technology	11	2	125-135	Journal	Article	