



Contents

Volume 251

*Selected papers presented at the virtual International Conference on
New Strategies in Water Treatment and Desalination (WTD-2021), 21–23 March 2021,
SRM Institute of Science and Technology, Kattankulathur, India*

Effects of manual interventions in the winding process on the performance of spiral wound membrane module B. Sutariya, K. Patel, S. Karan (India)	1
Studies on the application of algae biomass as an adsorbent in the treatment of industrial Azadirachtin insecticide wastewater P. Mulla, S. Vishali, E. Sobiya (India)	7
Colour removal of tannery wastewater using salt tolerant microorganisms in a sequential batch reactor R. Rajesh Kannan, G. Durai, R. Ramsenthil, M. DilipKumar, P. Balamurugan (India)	18
Artificial neural network based modeling for the degradation of tannery wastewater in sequential batch reactor G. Durai, R. Ramsenthil, M. DilipKumar, R. Rajesh Kannan, S.B. Riswan Ali, P. Balamurugan, M. Rajasimman (India)	27
Preparation of hydrated lime quality for water treatment: to reduce silica concentration from hydrated lime up to standard specification B. Shimelis, A. Saka, L.T. Jule, B. Bekele, M. Redi (Ethiopia), N. Nagaprasad (India), E.S. Esakkiraj (Ethiopia), B. Stalin (India), K. Ramaswamy (Ethiopia)	35
Review and assessment on the separation of cesium and strontium from the aqueous stream E. Kavitha, S. Prabhakar (India)	43
Response surface methodology based optimization of photocatalytic degradation of 2,4-dichlorophenoxyacetic acid G. Keerthiga, A. Balakrishnan, K. Sathiasivan (India)	57
Performance of membrane assisted solvent extraction with homologous solvents for the removal and recovery of phenol E. Poonguzhali, F.A.M. Ali, A. Kapoor, S. Prabhakar (India)	64
Potential role of biochar in water treatment P. Gupta, N. Gupta (India)	79
Evaluation of the performance of an agricultural residue <i>Cyamopsis tetragonolobus</i> (guar gum) in toxic paint industry, effluent treatment using continuous fixed-bed adsorption column S. Vishali, S. Picasso, M. Rajdeep, B. Debom (India)	105
Removal of chlorophenol using a batch and airlift inner loop bioreactor using <i>Aspergillus fumigates</i> M. Ponnuchamy, V. Saravanan, P. Balamurugan, R. Rajeshkannan, M. Dilipkumar (India)	114
Water management for irrigation scheduling by computing evapotranspiration using ANFIS modelling M. Rajagopal, M. Ponnuchmay, A. Kapoor (India)	123
Performance analysis of operating multi-stage flash distillation unit coupled with nuclear power plant D. Harishwar, S.N. Amresh, S. Prabhakar, V. Murugan, M. Magesh Kumar (India)	134
Effective recovery of struvite from wastewater by electrochemical process M.N.N. Hussain, P. Letchoumanane, P. Sivaraman, K. Sathiasivan (India)	146
Author Index	157

