



Contents

Volume 235

Heat and mass transfer analysis of passive solar still with nanoparticles, operating at different water depth and various slope of glass cover V.K. Thakur, M.K. Gaur (India)	1
Exergetic and thermo-economic analysis of different multi-effect configurations powered by solar power plants Y. Aroussy, D. Saifaoui, A. Lilane (Morocco)	26
Treatment of mine rejected-brine wastewater by indigenous halophilic bacterial species under aerobic and anaerobic conditions A.A.E.A. Zintchem, I. Kamika, M.N.B. Momba (South Africa)	39
Landfill leachate pretreatment by biocoagulation/bioflocculation process using plant-based coagulant (optimization by response surface methodology) A. Ayat, S. Arris, M. Bencheikh-Lehocine, A.-H. Meniai (Algeria)	66
Investigate the simultaneous effect of pH, temperature, and hydraulic retention time in moving bed biofilm reactor: optimization and modeling using response surface methodology H. Alizadeh Golestani, N. Davari, H. Ahmari, S. Mohseni (Iran)	80
Applying the aerobic/membrane hybrid process for treatment of slaughterhouse wastewater H. Zamani, H. Alizadeh Golestani, S.M. Mousavi, R. Zhiani, M.S. Hosseini (Iran)	92
Evaluating the performance of two denitrifying bacteria and their synergistic relationship in remediating nitrate-polluted wastewater Xingchao Jiang, Yongchao Yang, Jianmei Zhang, Wei Liu, Kaihong Wang, Yanfei Chen (China)	99
Corrosion inhibition of triazines in sulfur-containing oilfield wastewater Peng Wang, Xuefan Gu, Quande Wang, Jianlong Dong, Sanbao Dong, Jie Zhang, Shidong Zhu, Chen Gang (China)	107
Photocatalytic oxidation of waste activated sludge using a backlight photocatalytic reactor M.R. Khaksar, H. Ganjidoust, B. Ayati (Iran)	117
Oily wastewater treatment by hybrid ultrasound and electrocoagulation batch process H. Posavcic, I. Halkijevic, D. Vouk (Croatia)	127
Evaluation of porcelanite and bentonite performance as an effective coagulant agent for petroleum contaminated wastewater treatment A.S. Merzah, B.A. Hussain, B.A. Saleh (Iraq)	135
Recent advancements in the development of graphitic like carbon nitride (g-C ₃ N ₄) photocatalyst for volatile organic compounds removal: a review S. Al Mamari (Oman), A.T. Kuvarega (South Africa), R. Selvaraj (Oman)	141
A new performance analysis model for urban water supply systems evaluation B. Kizilöz, E. Şişman (Turkey)	177
Extraction of cesium from aqueous solution through t-BAMBP/C ₂ mimNTf ₂ and recovery of cesium from waste desalination brine Cheng-Han Lee, Wei-Sheng Chen (Taiwan)	193
Sm-doped TiO ₂ with boosted photocatalytic detoxification activity benefited from the accelerated separation of photogenerated carriers Yanbai Chen, Lei Wang, Junbo Zhong, Minjiao Li, Huajun Fan, Congxue Tian (China)	200
Effective removal of Pb ²⁺ and Cd ²⁺ from wastewater by mesoporous tobermorite synthesized from alumina-extracted fly ash Zehua Wang, Zhongliang Huang, Shili Zheng, Daishe Wu, Wei-quan Cai (China)	209
Competitive adsorption of Cd(II) and Pb(II) in aqueous solution onto humic acid derived from sewage sludge Liang Dai, Weifan Zhao, Gang Wang, Bigui Wei, Kang Zhang, Tao Han, Gui Ma (China)	221

Biosorption of lead ions from aqueous environment using henna biomass F. Mirnezami (Iran), M. Jafari (Italy), A. Jalali, M. Lotfi, M. Shafiee (Iran), A.H. Mohammadi (South Africa)	231
Integrated utilization of <i>Chlorella vulgaris</i> as biofuel and dye biosorbent R.A. Abdelghaffar, S.A. El-Mekkawi, F. Abdelghaffar, S.A. Abo El-Enin (Egypt)	241
Low-cost ceramic microfiltration membranes made from Moroccan clay for domestic wastewater and Congo Red dye treatment S. Iaich, Y. Miyah, F. Elazhar, S. Lagdali, M. El-Habacha (Morocco)	251
A brief study of adsorption of Congo red dye over saw dust of <i>Cedrus deodara</i> I. Muneer, T. Javed, A. Abdul Majeed, H.T. Masood (Pakistan)	272
Efficient sequestration of Alizarin red from solution using a novel adsorbent based on zirconium and diethylenetriamine functionalized wheat straw Jiajie Zhang, Jinghua Zhang, Mengmeng Yang, Runping Han (China)	283
A review of fruit waste-derived sorbents for dyes and metals removal from contaminated water and wastewater S. Martini (Indonesia), S. Afroze (Australia), K.A. Roni, M. Setiawati, D. Kharismadewi (Indonesia)	300
Spatial statistical analysis of groundwater quality based on inverse distance weighting and ordinary kriging in District Sheikhpura, Pakistan Z. Javed, S. Chand, M. Ahmad (Pakistan)	324
Impact of industrialization and urbanization on water quality of Surma River of Sylhet City M. Rahman, F. Ishaque, M.A. Hossain, I.H. Mahdy, P.P. Roy (Bangladesh).....	333
Corrigendum to "Development of newspaper/polystyrene composite adsorbent for oil spills removal" published in vol. 229 (2021) 167–183, doi:10.5004/dwt.2021.27375 R.E. Khalifa, S.N. Abd-Eldayem, M.H. Abd-Elmageed, T.M. Tamer, A.M. Omer, M.S. Mohy Eldin (Egypt)	346
Author Index	347