

Contents
Volume 22

Issues 1–3

| | |
|---|-----|
| Cationic surfactant adsorption on silica gel and its application for wastewater treatment S. Koner (Jalpaiguri), A. Pal (Kharagpur) and A. Adak (Howrah, India) | 1 |
| Pure water production from aqueous solution containing low concentration hardness ions by electrodeionization Yulong Su, Jianyou Wang and Lin Fu (Tianjin, China) | 9 |
| Natural organic matter removal from water by complexation–ultrafiltration process with poly(diallyl dimethylammonium chloride) C. García, E. Rogel-Hernández, G. Rodríguez, F. Wakida, E. Vélez and H. Espinoza-Gómez (Tijuana, Mexico) | 17 |
| Screening of factors affecting reactive blue 19 decolorization by <i>Ganoderma</i> sp. using fractional factorial experimental design M.M. Fazli, A.R. Mesdaghinia, K. Naddafi, S. Nasser, M. Yunesian, M.M. Assadi, S. Rezaie (Tehran) and H. Hamzehei (Zanjan, Iran) | 22 |
| Drying kinetics and sorption isotherms of cornelian cherry fruits A. Kaya (Aksaray) and O. Aydın (Trabzon, Turkey) | 30 |
| ED-WAVE tool design approach: case of Limbe wastewater treatment works, Blantyre, Malawi V. Chipofya (Malawi), A. Kraslawski and Y. Avramenko (Lappeenranta, Finland) | 40 |
| Preliminary planning for reclaimed water reuse for agricultural irrigation in the province of Girona, Catalonia (Spain) M. Elbana, J. Puig-Bargués, J. Pujol and F. Ramírez de Cartagena (Girona, Spain) | 47 |
| Steam, electricity and water costs evaluation of power-desalination co-generation plants A.-N.A. Mabrouk, A.S. Nafey (Suez, Egypt) and H.E.S. Fath (Abu Dhabi, UAE) | 56 |
| Magnetic water treatment for scale control in heating and alkaline conditions V. Kozic, A. Hamler, I. Ban and L.C. Lipus (Maribor, Slovenia) | 65 |
| Selection and enrichment of denitrifying phosphorus accumulating organisms in activated sludge Qiuyan Yuan and J. Oleszkiewicz (Manitoba, Canada) | 72 |
| Solubility and scale prevention of gypsum in transportation pipes of well brine with salinities up to 5 M at temperature range of 278–298 K Hongqing Wang, Daoguang Wang, Zhibao Li (Beijing, China) and G.P. Demopoulos (Montreal, Canada) | 78 |
| Synthesis and characterization of zeolite 4A from soft kaolin Weiwei Li (Shanghai), Chunjie Yan (Wuhan) and Wenbin Hu (Shanghai, China) | 87 |
| Modeling and simulation in dynamic mode of a triple effect desalination system coupled to a plane solar collector O. Sow (Thiès and Dakar, Senegal), T. Maré (Rennes, France), J. Orfi (Riyadh, Saudi Arabia) and M. Adj (Dakar, Senegal) | 91 |
| Performance evaluation of a solar still in the Eastern Province of Saudi Arabia—An improved analysis M.A. Antar and S.M. Zubair (Dhahran, Saudi Arabia) | 100 |
| Removal of phosphorus in municipal landfill leachate by photochemical oxidation combined with ferrate pre-treatment Zong-Ping Wang, Li-zhi Huang, Xiao-Nan Feng, Peng-Chao Xie and Zi-zheng Liu (Wuhan, China) | 111 |
| Biosorption of copper(II) from aqueous solutions by <i>Pleurotus cornucopiae</i> Ü. Daniş (Samsun, Turkey) | 117 |
| Optimization of flocculation process for cut-stone wastewater: Effect of rapid mix parameters M.M. Nourouzi, T.G. Chuah and T.S.Y. Choong (Selangor, Malaysia) | 127 |
| Microfiltration of stable oil-in-water emulsions using kaolin based ceramic membrane and evaluation of fouling mechanism B.K. Nandi, R. Uppaluri and M.K. Purkait (Guwahati, India) | 133 |

| | |
|---|-----|
| The biosorption of safranin onto <i>Parthenium hysterophorus</i> L: Equilibrium and kinetics investigation V.S. Shrivastava (Nandurbar, India)..... | 146 |
| Enhanced physical and chemical processes by solid packing in the plasma reactor for the inactivation of <i>Microcystis aeruginosa</i> Cui-hua Wang (Shanghai), Yan Wu, Guo-feng Li (Dalian) and Xin-qiang Shen (Shanghai, China)..... | 156 |
| Development of an integrated reverse osmosis-greenhouse system driven by solar photovoltaic generators P.A. Davies and A.K. Hossain (Birmingham, UK)..... | 161 |
| Methyl orange removal from aqueous solutions by natural and treated skin almonds F. Atmani (Blida and Algiers, Algeria), A. Bensmaili (Algiers, Algeria) and A. Amrane (Rennes, France)..... | 174 |
| Performances of nanofiltration and reverse osmosis in textile industry waste water treatment E. Ellouze, S. Souissi (Sfax), A. Jrad (Tunis), R. Ben Amar and A. Ben Salah (Sfax, Tunisia)..... | 182 |
| Salt splitting process application Y. Oztekin (Konya, Turkey and Vilnius, Lithuania), N. Karadayi and Z. Yazicigil (Konya, Turkey)..... | 187 |
| The MSF: Enough is enough M.A. Darwish, F.M. Al Awadhi and M.Y. Abdul Raheem (Safat, Kuwait)..... | 193 |
| Enhanced photocatalytic degradation of C.I. Reactive Orange 86 in aqueous environment using nanostructure Zn _{1-x} Co _x O composite thin film coated on glass M.H. Habibi and I.A. Farsani (Isfahan, Iran)..... | 204 |
| Comparison of phenol removal in synthetic wastewater by NF or RO membranes Yanbo Li (Wuhan, China), Jiang Wei (Nakskov, Denmark), Cunwen Wang and Weiguo Wang (Wuhan, China)..... | 211 |
| Post treatment of up-flow anaerobic sludge blanket based sewage treatment plant effluents: A review A.K. Mungray, Z.V.P. Murthy and A.J. Tirpude (Surat, India)..... | 220 |
| Treatment of tellurium containing stream using ferrite process and its characterization Shin-Jo Kim and Ki-Yong Lee (Incheon, Korea)..... | 238 |
| Operation description and physicochemical characteristics of influent, effluent and the tertiary treatment from a sewage treatment plant of the Eastern Region of Cyprus under warm climates A.A. Zorpas, C. Coumi (Paralimni, Cyprus), M. Drtil (Bratislava, Slovakia), I. Voukalli (Paralimni, Cyprus) and P. Samaras (Kozanis, Greece)..... | 244 |
| Adsorption of methylene blue and methyl orange from aqueous solution by iron oxide-coated zeolite in fixed bed column: predicted curves Lei Zhao, Weihua Zou, Lina Zou, Xiaotian He, Jiyun Song and Runping Han (Zhengzhou, China)..... | 258 |
| Effect of ionic strength on ion exchange equilibrium between cationic membranes and K ⁺ /Na ⁺ , K ⁺ /Li ⁺ and Na ⁺ /Li ⁺ binary systems Ch. Hannachi, F. Guesmi, I. Marzouk and B. Hamrouni (Manar, Tunisia)..... | 265 |
| Simulation of an ion exchange membrane electro dialysis process for continuous saline water desalination Y. Tanaka (Ibaraki, Japan)..... | 271 |
| Seawater RO treatment of RO concentrate to extreme silica concentrations R.Y. Ning (San Diego, CA), A.J. Tarquin and J.E. Balliew (El Paso, TX, USA)..... | 286 |
| Importance of EBPR efficiency on energy demand of full-scale wastewater treatment plants T. Tunçal (Tekirdağ), F. İşgenç (İzmir) and A. Pala (Dokuz Eylül, Turkey)..... | 292 |
| Optimized copper alloy tubing configuration for a multi-stage flash distiller A. Trostmann (Vienna, Austria) and O. Morin (Riyadh, Saudi Arabia)..... | 299 |
| Electromagnetic treatment-doubled electrocoagulation of humic acid in continuous mode using response surface method for its optimisation and application on two surface waters D. Ghernaout, A. Mariche (Blida), B. Ghernaout (Medea) and Amara Kellil (Blida, Algeria)..... | 311 |
| Synthesis and application of 5-amino-2-benzotriazol-2-yl-phenol for preconcentration and determination of zinc (II) in water samples by flame atomic absorption spectrometry H.A. Panahi, M. Rabbani, N. Zabarjad-Shiraz, S. Mofavvaz, E. Moniri, S. Kanghari, M. Entezari and A. Hasanzadeh (Tehran, Iran)..... | 330 |
| Some quinazoline derivatives as corrosion inhibitors for copper in HNO ₃ solution A.S. Fouda (El-Mansoura), M. Abdallah and R.A. El-Dahab (Benha, Egypt)..... | 340 |
| Use of Jordanian natural zeolite as sorbent for removal of cadmium from aqueous solutions M. Allawzi and S. Al-Asheh (Irbid, Jordan)..... | 349 |
| Removal of dyes from wastewater using polyelectrolyte enhanced ultrafiltration (PEUF) H. Ouni and M. Dhahbi (Soliman, Tunisia)..... | 355 |

| | |
|--|-----|
| Preparation of agriculture residue based adsorbents for heavy metal removal T.M. Zewail and S.A.M. El-Garf (Alexandria, Egypt) | 363 |
| Thermoeconomic analysis of a CHP-based dual-purpose power plant Luopeng Yang, Xue Chen, Shengqiang Shen and Huawei Hu (Dalian, China)..... | 371 |
| Decision support system development for adaptive management of desalination plant outfalls in marine ecosystems J.M. Hernandez Torres, A. Hernandez Mascarell, M. Navarro Hernandez (Valencia), J.M. Cortes (Benissa), M. Martin Monerris (Valencia) and R. Molina (Madrid, Spain) | 379 |
| Development of a neuro fuzzy modelling tool for a decision support system in desalination in coastal zones A. Navarro Hernandez (Valencia), R. Molina (Madrid), M. Martin Monerris, J.M. Hernandez Torres and A. Hernández Mascarell (Valencia, Spain)..... | 386 |
| Erratum to “Preparation, characterization and photocatalytic activity of a novel nanostructure ZnO composite film derived sol–gel process inder material” [Desalination and Water Treatment, Volume 21 (2010) 202–209] M. Nasr-Esfahani (Najafabad), A. Khakifirooz (Karaj), N. Tavakoli and M.H. Soleimani (Najafabad, Iran) | 392 |
| Author Index..... | 393 |

