

Contents

Volume 242

Nanometer and micrometer particle occurrence in the feed-concentrate channels of a nanofiltration membrane process C. Powell, S.J. Duranceau (USA)	1
The role of nanotechnology, based on carbon nanotubes in water and wastewater treatment M. Wilson (China), M.G. Ruk (Pakistan), M.A. Ashraf (China)	12
Hybrid membrane-evaporative system for a near-ZLD utilization of coal mine brine K. Mitko, M. Turek, P. Dydo (Poland)	22
Application of jug filters for the treatment of model well water E. Puszczalo, A. Marszałek, G. Kamińska (Poland)	31
Ultrafiltration enhanced with poly(sodium acrylate) as an effective method for separation of heavy metals from multicomponent solutions I. Korus (Poland)	38
Application of biosorbents in hybrid ultrafiltration/sorption processes to remove radionuclides from low-level radioactive waste A. Miśkiewicz, G. Zakrzewska-Koltuniewicz (Poland)	47
Determination of phenolic compounds in surface waters using high-performance liquid chromatography and molecularly imprinted solid-phase extraction M. Pasek, A. Poliwoda, P.P. Wieczorek (Poland)	56
UV/O ₃ and UV/H ₂ O ₂ processes in the decomposition on waste streams generated during membrane filtration of laundry wastewater E. Kudlek (Poland)	64
Enhanced photocatalytic degradation of diazinon by TiO ₂ /ZnO/CuO nanocomposite under solar radiation M. Malakootian, M.M. Soori (Iran)	75
Inactivation of <i>Escherichia coli</i> in water by using ultrasonic disinfection processes Y.R. Humudat, S.K. Al-Naseri, M.S. Jaafar's (Iraq)	89
Influence of PEG on the properties of gadolinium titanate photocatalyst for RBR X-3B degradation Jiaying Zhang, Wenjie Zhang, Jiao Yang (China)	94
Shortcut nitrification-denitrification achieved by hydroxylamine addition in constructed rapid infiltration system Xiuqin Kong, Yiming Lian, Nini Zhang, Qianjun Tang, Yajing Zhao (China)	100
Inhibition of copper alloy corrosion using CBG-HCl as a green inhibitor in 0.5 M H ₂ SO ₄ solution A. Elhebsi, A. El Nemr, M.S. El-Deab, I. Ashour, S. Ragab (Egypt)	106
Equilibrium, kinetic and thermodynamic studies of manganese removal from aqueous solutions by adsorption process using beet pulp shreds as a biosorbent J. Chwastowski, P. Staroń (Poland)	117
Preparation and evaluation of epoxy resins for the selective removal of Cs ⁺ in high-level liquid waste E.C. Escobar, R.E.C. Torrejos (Korea, Philippines), J.E.L. Sio, H. Kim, W.-J. Chung, G.M. Nisola (Korea)	128
Investigation of the removal of sulfamethoxazole drug waste from aqueous solutions under the effect of zinc oxide/montmorillonite nanocomposite by photocatalytic ozonation process I.N. Özyürek, M. Kırınşan, S. Karaca (Turkey)	144
Highly competitive multicomponent adsorption of organic and heavy metals using activated mangrove charcoal M.F. Sabbagh, M.H. Al-Malack (Saudi Arabia)	162
Removal of imidacloprid from polluted water using adsorption and membrane separation technologies M. Qurie, M. Alkhatab (Palestinian Authority), S.A. Bufo, L. Scrano (Italy), M. Khamis (UAE), I. Ayyad, R. Karaman (Palestinian Authority)	178

Application of selected carbamate pesticides from aqueous solution using coconut sorbents K. Ignatowicz, J. Piekarski (Poland)	187
Water quality evaluation and guarantee treatment of outdoor landscape water Zhongping Liu (China)	195
RUSLE-GIS/RS based prediction of soil loss from Liangzi Lake watershed, Hubei, China S. Issaka, M.A. Ashraf (China), P.B. Laari (Ghana), G.V. Fritz (China)	203
Selection and optimization of the control plan for precipitation characteristic landslide Liangting Wang, Zhishan Zheng, Xijian Chao, Huojun Zhu (China)	214
Mineralogy and mineral chemistry characteristics of garnet for prospecting and water-soluble mining of skarn polymetallic deposits Fengqin Ran (China)	221
A novel method of the water quality system assessment: genetic algorithm optimized back-propagation neural networks evaluation model Yueqing Ding, Wei Hong, Jianhua Yang (China)	226
Morphometric analysis of Moridhal watershed in Dhemaji district of Assam, India using remote sensing and Geographic Information System techniques B. Deka, P.K. Bhartee, M. Dutta, D.K. Patgiri, R. Saikia (India)	235
Facile preparation of modified Fe-graphene hydrogel with enhanced removal of perfluorooctanoic acid Xuewen Chen, Dan Zhao, Yanmao Dong, Yanhui Zhou, Yan Yuan (China)	243
Evaluating the corrosiveness in drinking water distribution system in Yancheng City, China Yumin Wang, Guangcan Zhu (China)	250
Stormwater fees. Are they really necessary? J. Królikowska, T. Cichór (Poland)	260
An assessment on the performance of activated carbon augmented by activated sludge for removing Methylene blue A. Asadi, M. Rostami (Iran)	266
3-(Aminopropyl)triethoxysilane modified CuO nanoparticles-mediated adsorbent for removal of methylene blue through polymer inclusion membranes transport: optimization of operational variables K. Mustafa, S. Musaddiq, S. Farrukh, S. Ahmad, H. Rasheed, I. Fayyaz (Pakistan)	274
Chitosan modifications for azo dyes removal from wastewaters: methyl orange dye model H.M. Ahmed, S. Aboulhadeed, R.E. Khalifa, A.M. Omer, T.M. Tamer, M.S. Mohy-Eldin (Egypt)	283
Preparation of calcium alginate-graphene oxide composite and its application for the removal of Maxilon Blue D.Md. Mahmudunnai, Md.Z. Alam, T.R. Choudhury, M. Nurnabi (Bangladesh)	293
Investigation of adsorption behavior of cationic nonwoven textiles as an alternative and environmentally friendly adsorbent to remove the Reactive Blue 21 dye from a model solution T. Demirel, Y. Yavuz, M.E. Üreyen, A.S. Koparal (Turkey)	304
Author Index	316