

Experimental and theoretical analysis of solar still with glass basin A. Alaudeen (Kilakarai), A.S. Abu Thahir (Tirunelveli), K. Vasanth, A.M. Infant Tom and K. Srithar (Madurai, India)	1489
Experimental study on municipal sludge dewatering capacity by using quicklime and slag Qiang Xue and Yi-jun Chen (Wuhan, China)	1499
Studies on properties of temperature-sensitive amphiphilic copolymer-modified PVDF ultrafiltration membrane Feifei Shen, Tonghu Xiao, Lina Han and Shanmei Chen (Ningbo, China)	1507
Development and stand tests of reciprocating-switcher energy recovery device for SWRO desalination system Daiwang Song, Yue Wang, Naiyuan Lu, Hui Liu, Enle Xu and Shichang Xu (Tianjin, China)	1519
A review on energy consumption of desalination processes Y. Ghalavand, M.S. Hatamipour and A. Rahimi (Isfahan, Iran)	1526
Synthetic PDMS composite membranes for pervaporation dehydration of ethanol M. Rezakazemi, K. Shahidi and T. Mohammadi (Tehran, Iran)	1542
Preparation and characterization of nanoporous ceramic membranes for separation of water from ethanol F. Nosratinia, H. Ghahremani and S. Shirazian (Tehran, Iran)	1550
Electrochemical treatment of bilge wastewater C. Carlesi, N. Guajardo Ramírez, D. Carvajal (Valparaíso, Chile), M. Cataldo Hernández and D. Fino (Turin, Italy)	1556
Water deoxygenation using hollow fiber membrane module with nitrogen as inert gas I. Martić, A. Maslarević, S. Mladenović, U. Lukić and S. Budimir (Belgrade, Serbia)	1563
Organic matter and dissolved salts removal in a microbial desalination cell with different orientation of ion exchange membranes H. Pradhan and M.M. Ghangrekar (Kharagpur, India)	1568
Carbonaceous organics removal kinetics in an upflow anaerobic sludge blanket (UASB) reactor treating physico-chemically pre-treated textile wastewater A.K. Verma, P. Bhunia and R.R. Dash (Bhubaneswar, India)	1577
Evaluating efficiency of H ₂ O ₂ on removal of organic matter from drinking water A. Dargahi (Parsabad), M. Pirsahab (Kermanshah), S. Hazrati, M. Fazlzadehdavil (Ardabil), R. Khamutian and T. Amirian (Kermanshah, Iran)	1589
Fluoride removal from drinking water by zirconium-impregnated fibrous protein Hui Deng (Fushun) and Xili Yu (Shanghai, China)	1594
Fluoride removal from aqueous solution by Purolite A520E resin: kinetic and thermodynamics study A. Ben Nasr (Sfax, Tunisia and Villeurbanne, France), C. Charcosset (Villeurbanne, France), R. Ben Amar and K. Walha (Sfax, Tunisia)	1604
Evaluation of phenol removal from aqueous solutions by UV, RO, and UV/RO hybrid systems A. Kargari and S. Mohammadi (Mahshahr, Iran)	1612
Degradation of phenol through solar-photocatalytic treatment by zinc oxide in aqueous solution N.A. Yusoff, S.-A. Ong, L.-N. Ho, Y.-S. Wong and W.F. Khalik (Arau, Malaysia)	1621
Equilibrium and kinetic studies on the adsorption of Ni(II) ion from an aqueous solution using activated carbon prepared from <i>Theobroma cacao</i> (cocoa) shell S.S. Kalaivani, T. Vidhyadevi, A. Murugesan, P. Baskaralingam, C.D. Anuradha (Chennai), L. Ravikumar (Coimbatore) and S. Sivanesan (Chennai, India)	1629
Surface modification of silica gel for adsorptive removal of Ni ²⁺ and Cd ²⁺ from water A.K. Kushwaha (Palampur and Allahabad) and M.C. Chattopadhyaya (Allahabad, India)	1642

On the importance of surface chemistry and composition of Bone char for the sorption of heavy metals from aqueous solution D.I. Mendoza-Castillo, A. Bonilla-Petriciolet and J. Jáuregui-Rincón (Aguascalientes, Mexico)	1651
Removal of cadmium(II) from aqueous solutions by biosorption onto the brown macroalga (<i>Dictyota dichotoma</i>) Y. Hannachi (Monastir, Tunisia and Belgorod, Russia), A. Rezgui, A.B. Dekhil and T. Boubaker (Monastir, Tunisia)	1663
Effective utilization of the functional groups in chitosan by loading Zn(II) for the removal of nitrate and phosphate A. Sowmya and S. Meenakshi (Dindigul, India)	1674
Adsorptive removal of vinyl polymer/ZnO nanocomposite from aqueous solution by activated sludge biomass Xia Zhao, Hongrui Ma, Jianzhong Ma, Dangge Gao, Lizhen Hu and Xiangfei Lv (Xi'an, China)	1684
Adsorption of lead by activated carbon developed from rice husk A.M. Youssef, A.I. Ahmed (Mansoura), M.I. Amin (Cairo) and U.A. El-Banna (Mansoura, Egypt)	1694
Optimization of process parameters for efficient decolorization of Congo red by novel fungus <i>Curvularia</i> sp. using Box–Behnken design S. Senthilkumar, M. Perumalsamy, H.J. Prabhu and N. Thajudin (Trichy, India)	1708
Poly(methyl methacrylate-ethylene glycol dimethacrylate) copolymer for adsorptive removal of erythrosine dye from aqueous solution İ.G. Altındağ, A. Dinçer, S. Becerik, A. Eser and T. Aydemir (Muradiye, Turkey)	1717
Removal of basic yellow dye from aqueous solutions by sorption onto reed as an adsorbent F. Boudrahem, F. Aissani-Benissad and A. Soualah (Bejaia, Algeria)	1727
Removal of textile-based dyes by nanofiltration: study of physico-chemical parameters' effect on the retention by experimental designs methodology H. Kelewou, A. Lhassani, M. Merzouki (Fez, Morocco) and P. Drogui (Quebec, Canada)	1735
Investigation of equilibrium, kinetic and thermodynamic of methylene blue adsorption onto dehydrated hazelnut husk carbon G. Simsek and M. Imamoglu (Sakarya, Turkey)	1747
Adsorption of anionic dye on natural and organophilic clay: effect of textile dyeing additives N. Abidi (Bizerte, Tunisia and Strasbourg, France), J. Duplay (Strasbourg, France), F. Ayari, S. Gangloff and M. Trabelsi-Ayadi (Bizerte, Tunisia)	1754
Author Index	1770