

Table of Contents

Control of soil pollution at dumping site by polytar mix formation within Erbil province –Iraq <i>Jwan J. Abdullah and Jwan J. Shekh Mohammed</i>	1
Environmental Pollution Depletion of Chromium from Water Using Barberry Root <i>Ali Shahidi, Abbas khashei, Zahra Zeraatkar</i>	7
Methane Generation from Landfills: Malaysia Specific Parameters <i>Mohammed F.M. Abushammala, Noor Ezlin Ahmad Basri and Mohammad K. Younes</i>	14
Validation and thermal analysis of combined cycle Power Plant (CCPP) standalone and with Multi effect desalination with thermal vapor desalination (MED-TVC) <i>Nuri Eshoul, Brian Agnew, Mohammed Al-Wesahi, Ratha Mathkor</i>	20
Effect of Industrial Pollution in Some Biochemical Parameters of the Garden Snail (<i>Helix Pomatia L.</i>) in the Region of “Trepça” smelter in Mitrovica, Kosovo <i>Kemajl Bislimi, Avni Behluli, Ilir Mazreku, Agim Gashi and Sali Aliu</i>	28
Durability of concretes with marble powder <i>Rabah Chaid, Arnaud Perrot, Youcef Ghernouti</i>	33
Application of Progressive Freeze Concentration for Water Purification using Rotating Crystallizer with Anti-supercooling Holes <i>Farah Hanim Ab. Hamid, Zaki Yamani Zakaria, Norzita Ngadi and Mazura Jusoh</i>	41
Optimal selection of using fluids (HFC, HCFC, HFC) for an organic Rankine cycle Utilizing a low temperature geothermal energy source <i>Fathi A. Latrash, Brian Agnew, Mohammed A. Al-Weshahi, Nuri M. eshoul</i>	48
The knowledge of the residents concerning the health risk of arsenic (As) contamination in the blackfoot disease (BFD) area, Taiwan <i>Ming-Chao Lin, Jen-Chun Ou, Ting-You Liu, Bo-Sen Huang and Ying-Tai Hsu</i>	55
Thermodynamic study of solvents type ionic liquids: Application in the substitution of polluted solvents <i>Hind Bouafia, Mourad Korichi</i>	59
Effects of nitrogen fertilizer on wild oat (<i>Avena fatua</i>) competition with wheat (<i>Triticum aestivum</i>) <i>Jafar Pourreza, Abdollah Bahrani</i>	67
Strategies for Ensuring the Performance Sustainability of Cirata Reservoir Using Soft System Methodology (SSM) <i>Kholil and Laksanto Utomo</i>	73
A study on the effects of lining irrigation in the channel network on integrated	79

water resources systems managements (case study; Bar basin of Iran) <i>Abbas Khashei-Siuki, Ali Shahidi</i>	
An Assessment of Carbon Footprint at BITS Pilani, Dubai Campus and Proposed Green Campus Initiative <i>Vishakha Sharma and Geetha Kannan</i>	86
The effect of mix composition on the water absorption, density and compressive strength of rice husk based geopolymers) <i>Zeynab Emdadi, Nilofar Asim, M. A. Yarmo, Roslinda Shamsudin and M. A. Alghoul</i>	92
Spectral Indices for Detecting Change Trend in Vegetation affected by Hydrocarbon Spillage <i>Esther Oluwafunmilayo Makinde</i>	97
Implementation of environmentally forest road construction in sensitive Greek semi-mountainous forest <i>Vasileios C. Drosos, Sarantis - Angelos Liampas and Dimitrios E. Farmakis</i>	103
A pilot scale study of pulse-jet cleaning of a rectangular bag filter system: optimization of operating parameters <i>Kritana Prueksakorn, Sujit Dahal, Cheng Xu Piao, Hyunchul Ha, Taehyeung Kim</i>	109
Recovery of Tartaric Acid and Added-Value Phenolics from Wine Wastes Towards an Integrated Treatment and Commercial Valorisation <i>Alexandra Moschona, Maria G. Ziagova, Mahendra Aryal, Aliko Iliadou, Maria Liakopoulou-Kyriakides and Dimitrios A. Kyriakidis</i>	116
Establishing an Environmental Behavior Pattern for the Green Education of College Students: Using Emerging Contaminants as an Example <i>Tai-Yi Yu, Tai-Kuei Yu</i>	121
Use of Factor Analysis to Evaluate the Water Quality of Gala Lake National Park (Edirne, Turkey) <i>Cem Tokatlı, Esengül Köse, Özgür Emiroğlu, Arzu Çiçek</i>	125
Statistical Analysis of Long Term Temporal Trends of Precipitation and Temperature in Wainganga Sub-Basin, India <i>Arun Kumar Taxak, A. R. Murumkar and D. S. Arya</i>	129
Recuperation of Silver from Wastewater of Miroiterie of Thenia (Algeria) <i>Naima Ghemmit-Doulache, Nassima Morsli, Nadia Slimani</i>	134
Study of the Insects Diversity in Morzok <i>Kotela Mohamed Ali</i>	139
Investigation of the Veterinary Drug Adsorption Characteristics by Live Activated Sludge <i>Serpil Savcı</i>	143
Nephroprotective Effects of Selenium against Nickel Chloride-Induced	148

Nephrotoxicity in Pregnant Rats <i>Ounassa Adjroud</i>	
Antibacterial Activity and Total Flavonoid of <i>Mauli Banana</i> Stem <i>Maharani Laillyza Apriasari, Iskandar and Eko Suhartono</i>	153
Hydrogeological Vulnerability Assessment in Urban Systems, Spain <i>G. Sanz, M. T. D. Albuquerque, R. Martínez-Alegría, I. M. H. R. Antunes and J. Taboada</i>	157
Expert based DRASTIC Adaptation to Mineralized Aquifer Vulnerability Assessment – Penamacor, Portugal <i>L. M. Ferreira Gomes, M. T. D. Albuquerque and I. M. H. R. Antunes</i>	163
Consideration of Polymer Inclusion Membranes Containing D2EHPA for Toxic Metallic Ion (Pb ²⁺) Extraction Recovery <i>O. Kebiche-Senhadji, L. Mansouri and M. Benamor</i>	169
Removal of Phenol from Aqueous Solutions by Polymer Inclusion Membranes (PIMs): Modeling of the Extraction Process <i>Fadila Oughlis-Hammache, Ounissa Senhadji-Kebiche, Salima Ait Ali, Hayette Lahlou and Mohamed Benamor</i>	177
The Buffer Zone Livelihood Link under Community Managed Game Parks: Evidence from Nyatana Game Park, Zimbabwe <i>A. Taruvinga and A. Mushunje</i>	184
Author Index	191