Table of Contents

Control of soil pollution at dumping site by polytar mix formation within Erbil	1
province –Iraq Jwan J. Abdullah and Jwan J. Shekh Mohammed	
Environmental Pollution Depletion of Chromium from Water Using Barberry Root Ali Shahidi, Abbas khashei, Zahra Zeraatkar	7
Methane Generation from Landfills: Malaysia Specific Parameters Mohammed F.M. Abushammala, Noor Ezlin Ahmad Basri and Mohammad K. Younes	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 (Helix Pomatia L.) 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 Rabah Chaid, Arnaud Perrot, Youcef Ghernouti	33
Application of Progressive Freeze Concentration for Water Purification using Rotating Crystallizer with Anti-supercooling Holes Farah Hanim Ab. Hamid, Zaki Yamani Zakaria, Norzita Ngadi and Mazura Jusoh	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 (Avena fatua) competition with wheat (<i>Triticum aestivum</i>) Jafar Pourreza, Abdollah Bahrani	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) Abbas Khashei-Siuki, Ali Shahidi	
An Assessment of Carbon Footprint at BITS Pilani, Dubai Campus and Proposed Green Campus Initiative Vishakha Sharma and Geetha Kannan	86
The effect of mix composition on the water absorption, density and compressive strength of rice husk based geopolymers) Zeynab Emdadi, Nilofar Asim, M. A. Yarmo, Roslinda Shamsudin and M. A. Alghoul	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 Vasileios C. Drosos, Sarantis - Angelos Liampas and Dimitrios E. Farmakis	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, Aliki Iliadou, Maria</i> <i>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) Cem Tokatlı, Esengül Köse, Özgür Emiroğlu, Arzu Çi çek	125
Statistical Analysis of Long Term Temporal Trends of Precipitation and Temperature in Wainganga Sub-Basin, India Arun Kumar Taxak, A. R. Murumkar and D. S. Arya	129
Recuperation of Silver from Wastewater of Miroiterie of Thenia (Algeria) Naima Ghemmit-Doulache, Nassima Morsli, Nadia Slimani	134
Study of the Insects Diversity in Morzok Kotela Mohamed Ali	139
Investigation of the Veterinary Drug Adsorption Characteristics by Live Activated Sludge Serpil Savcı	143
Nephroprotective Effects of Selenium against Nickel Chloride-Induced	148

Nephrotoxicity in Pregnant Rats Ounassa Adjroud	
Antibacterial Activity and Total Flavonoid of Mauli Banana Stem Maharani Laillyza Apriasari, Iskandar and Eko Suhartono	153
Hydrogeological Vulnerability Assessment in Urban Systems, Spain G. Sanz, M. T. D. Albuquerque, R. Mart nez-Alegr a, I. M. H. R. Antunes and J. Taboada	157
Expert based DRASTIC Adaptation to Mineralized Aquifer Vulnerability Assessment – Penamacor, Portugal L. M. Ferreira Gomes, M. T. D. Albuquerque and I. M. H. R. Antunes	163
Consideration of Polymer Inclusion Membranes Containing D2EHPA for Toxic Metallic Ion (Pb2+) Extraction Recovery O. Kebiche-Senhadji, L. Mansouri and M. Benamor	169
Removal of Phenol from Aqueous Solutions by Polymer Inclusion Membranes (PIMs): Modeling of the Extraction Process Fadila Oughlis-Hammache, Ounissa Senhadji-Kebiche, Salima Ait Ali, Hayette Lahlou and Mohamed Benamor	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