

# Table of Contents

## Environment and BioScience

Pre-construction Durability Index for Reinforced Concrete Structure <i>Muhammad Saleem</i>	1
The Flavone, Total Phenolic Composition and Antioxidant Activity of Extracts from Bast of <i>Citrus maxima</i> and Rind of <i>Citrus maxima</i> <i>Jin-Shun Lv, Xiao-Yan Liu, Jia-xin Xu, Hui Xu and Lun-Yong Bian</i>	7
Evaluation of Essential Oil Mixture Overuse on Gut Health and Some Immune Parameters in Laying Japanese Quail ( <i>Coturnix Coturnix Japonica</i> ) <i>Marwa A. Hassan, Mohamed S. Yusuf, Omnia E. Kilany, H. A. Khalil, A. M. Hanafy and A. M. Hassan</i>	14
Efficiency of Biochar from Agricultural Waste to Remove Heavy Metals in Water <i>Nisa Pakvilai</i>	23
Anthropogenic Aerosol Effects on Climate Change <i>Xiangjun Shi and Xiefei Zhi</i>	29
The Effect of Subchronic Exposure of Petrol Vapours on Leukocyte Parameters in Rats <i>Teh Rasyidah, I., Nur Husna Hazwani, A., Nur Hidayah, H., Lian, H. H., Kaswandi, M. A. and Noah, M. R.</i>	35
Study of Salinity Pollution due to Irrigated Agriculture from Sangamner Area, Ahmednagar District, Maharashtra, India <i>Keshav Deshmukh and Lata Deshmukh</i>	40
Comparison on Effects of Different Sampling Methods for the Disinfection of Ventilator Pipes <i>Yanming Li and Yian Lu</i>	48
<b>Biology, Environment and Chemistry</b>	
Comparative Study of Different Types of Nanoscale Zero Valent Iron on Nitrate Removal from Water <i>Ahmed M. E. Khalil, Osama Eljamal, Skander Jribi and Nobuhiro Matsunaga</i>	53
Passive Proton Exchange Membrane Fuel Cell Temperature Characteristic <i>Shimei Sun, Xinyu Zhang and Mengqiao Yang</i>	61
Energy Conservation on EEG Signal Acquisition in WBSN Using a Novel Hybrid CS Technique with Hexagonal Clusters <i>V. Parthasarathy and A. Mary Judith</i>	66
Multi-Modality Communication Systems for Robotic Telesurgery <i>Syed Saqib Hussain Shah and Jackrit Suthakorn</i>	72
The Effects of Non-Equidistant Arrangement of Buried Pipes on the Soil Temperature Field and Heat Flux <i>Li Bai and Wenhao Che</i>	79

Assessment of COD and AOX Removal in a Sequential Bio-ozone-Bio treatment of a Pulp Factory Wastewater Treatment System	83
<i>Amir Hajiali, Gevorg Pirumyan, Farideh Atabi and Mohd Fadhil Md. Din</i>	
Author Index	87