

CONTENTS

Volume XVII, Issue 1 / June 2018

Soil pollution prevention and control measures in China Claudio O. DELANG	5
Lateral migration of the Jiu river course between 1864 and 2018. Case study: Craiova – Zăval sector Andreea-Gabriela ZAMFIR, Claudia Daniela ALBĂ, Sandu BOENIU	14
Considerations on the influence of micro urban heat islands to the Temperature - Humidity Index during July 2017 in Craiova city centre Daniela ROȘCA, Adrian ROȘCA	21
The analysis of relationship between microclimate and microbial carbon-dioxide production in the soils of the Tapolca and Gömör-Tornai karst terrains, Hungary János MÓGA, Klaudia KISS, Andrea BORSODI, Mária SZABÓ, Daniela STRAT, Bódai BARBARA	31
Arch dam failure preliminary analysis using HEC-RAS and HEC-GEO RAS modeling. Case study Someșul Rece 1 reservoir Daniel SABĂU, Gheorghe ȘERBAN	44
Playing with water – An introduction to experimental hydrology Gabriel MINEA, Jesús RODRIGO COMINO, Gabriela MOROȘANU	56
Estimation of drinking water supply and its future trends in Varanasi city, India Vineet Kumar RAI, Pravin KUMAR, Praveen Kumar RAI	66
Indicators for evaluating the role of green infrastructures in sustainable urban development in Romania Mihai Răzvan NIȚĂ, Maria PĂTROESCU, Denisa Lavinia BADIU, Athanasios Alexandru GAVRILIDIS, Margarita AVRAM	75
Using GIS methods to analyze spatial characteristics of urban transportation system in Craiova city Cristiana VÎLCEA, Sorin AVRAM, Claudia FLORESCU	82
Mapping spatial urban growth and land use change using geoinformatics technique in Varanasi District, Uttar Pradesh, India Sunita SINGH	90
An evaluation of the human resources potential of the Western Region (Romania) Sorin PAVEL, Sebastian JUCU	99

