

Contents

<i>Mykola Malashevskyi, Olena Malashevska</i>	
Land Consolidation Considering Natural Afforestation.....	5
<i>Shyama Mohan, Giridhar M.V.S.S.</i>	
A Brief Review of Recent Developments in the Integration of Deep Learning with GIS.....	21
<i>Lamyaa Gamal El-deen Taha, Rania Elsayed Ibrahim</i>	
A Machine Learning Model for Improving Building Detection in Informal Areas: A Case Study of Greater Cairo	39
<i>Sudhir K. Powar, Sachin S. Panhalkar, Abhijit S. Patil</i>	
An Evaluation of Pixel-based and Object-based Classification Methods for Land Use Land Cover Analysis Using Geoinformatic Techniques.....	61
<i>Ikram El Hamdouni, Lahsen Ait Brahim, Abderahman El Mahsani, Abdellah Abdelouafi</i>	
The Prevention of Landslides Using the Analytic Hierarchy Process (AHP) in a Geographic Information System (GIS) Environment in the Province of Larache, Morocco	77
<i>Morad Taher, Touafik Mourabit, Abdelhak Bourjila, Omar Saadi, Ali Errahmouni, Fouad El Marzkioui, Mhamed El Mousaoui</i>	
An Estimation of Soil Erosion Rate Hot Spots by Integrated USLE and GIS Methods: a Case Study of the Ghiss Dam and Basin in Northeastern Morocco.....	95
<i>Noushin Sanjaranipour, Farideh Atabi, Mansour Momeni, Jamal Ghodousi, Akramolmolok Lahijanian</i>	
Investigating the Efficiency of Combined Cycle Power Plants with the Data Envelopment Analysis Process (with an Emphasis on Air Pollution)	111
<i>Syahiirah Salleh, Uznir Ujang, Suhaibah Azri</i>	
Representing 3D Topological Adjacencies between Volumes Using a 36-Intersection Model.....	127

<i>Andriy Popov, Vladyslav Tymoshevskyi, Vadym Poliakh</i> Costs, Benefits and Obstacles to the Adoption and Retention of Shelterbelts: Regional Perception and Mind Map Analyses for Ukraine	157
<i>Anita Kwartnik-Pruc, Aneta Mączyńska, Bogusław Gabryś</i> The Problem of the Undetermined Legal Status of Land under Flowing. Poland – a Case Study	177
Style Sheet	197