

## CONTENTS

A new expression describing the migration of aeolian dunes T.-L. Bo and X.-J. Zheng .....	1
Establishing soil and surficial geologic habitat criteria for presumed gypsophiles — The example of <i>Eriogonum corymbosum</i> var. <i>nilesii</i> , Mojave Desert, U.S.A. C.R. Robins, B.J. Buck and A.J. Williams .....	9
Long-term response of soil Olsen P and organic C to the depletion or addition of chemical and organic fertilizers P. Shen, M. Xu, H. Zhang, X. Yang, S. Huang, S. Zhang and X. He .....	20
Analysing the effect of land-use/cover changes at sub-catchment levels on downstream flood peaks: A semi-distributed modelling approach with sparse data J. Sanyal, A.L. Densmore and P. Carboneau .....	28
Differing responses to extreme rainfall events in headwater areas recorded by wood anatomy in roots (Gorce Mountains, Poland) D. Wrońska-Wałach .....	41
The formation of representative lateritic weathering covers in south-central Guangxi (southern China) X. Wei, H. Ji, S. Wang, H. Chu and C. Song .....	55
Automatic clod detection and boundary estimation from Digital Elevation Model images using different approaches O. Chimi-Chiadjeu, S. Le Hégarat-Mascle, E. Vannier, O. Taconet and R. Dusséaux .....	73
Effect of cactus pear cultivation after Mediterranean maquis on soil carbon stock, $\delta^{13}\text{C}$ spatial distribution and root turnover A. Novara, P. Pereira, A. Santoro, Y. Kuzyakov and T. La Mantia .....	84
Effectiveness of sustainable land management measures in West Usambara highlands, Tanzania J. Wickama, B. Okoba and G. Sterk .....	91
Texture contrast profile with stonelayer in the Cape Peninsula, South Africa: Autochthony and polygenesis P.N. Eze and M.E. Meadows .....	103
Post-fire evolution of water repellency and aggregate stability in Mediterranean calcareous soils: A 6-year study A. Jordán, Á.J. Gordillo-Rivero, J. García-Moreno, L.M. Zavala, A.J.P. Granged, J. Gil and H.M. Neto-Paixão .....	115
Earthquake induced landslide susceptibility mapping using an integrated ensemble frequency ratio and logistic regression models in West Sumatera Province, Indonesia Z. Umar, B. Pradhan, A. Ahmad, M.N. Jebur and M.S. Tehrany .....	124
Geomorphological analysis and evolution of an altered floodplain drainage system. The case of the Partido Stream (Spain) P. Huelin-Rueda, J.C. Robredo-Sánchez and J.A. Mintegui-Aguirre .....	136
Spatial and seasonal variations of soil salinity following vegetation restoration in coastal saline land in eastern China B. He, Y. Cai, W. Ran and H. Jiang .....	147
Applied comparison of the erosion risk models EROSION 3D and LISEM for a small catchment in Norway T. Starkloff and J. Stolte .....	154

(continued from outside back cover)

Evaluation of erosion control geotextiles on steep slopes. Part 1: Effects on runoff and soil loss J. Álvarez-Mozos, E. Abad, R. Giménez, M.A. Campo, M. Goñi, M. Arive, J. Casalí, J. Díez and I. Diego .....	168
Classification of tropical lowland peats revisited: The case of Sarawak R. Veloo, S. Paramananthan and E. Van Ranst .....	179
Changes in soil organic carbon, nitrogen, phosphorus, and bulk density after afforestation of the "Beijing–Tianjin Sandstorm Source Control" program in China X. Zeng, W. Zhang, J. Cao, X. Liu, H. Shen and X. Zhao .....	186
Tillage effects on certain physical and hydraulic properties of a loamy soil under a crop rotation in a semi-arid region with a cool climate Z. Gozubuyuk, U. Sahin, I. Ozturk, A. Celik and M.C. Adiguzel .....	195
Effects of climate change and wildfire on soil loss in the Southern Rockies Ecoregion S.E. Litschert, D.M. Theobald and T.C. Brown .....	206
Use and misuse of the K factor equation in soil erosion modeling: An alternative equation for determining USLE nomograph soil erodibility values K. Auerswald, P. Fiener, W. Martin and D. Elhaus .....	220
Flume experimental evaluation of the effect of rill flow path tortuosity on rill roughness based on the Manning–Strickler equation S.M. Strohmeier, S.K. Nouwakpo, C.-H. Huang and A. Klik .....	226
Evaluation of two different soil databases to assess soil erosion sensitivity with MESALES for three areas in Europe and Morocco R. Hessel, J. Daroussin, S. Verzendvoort and D. Walvoort .....	234