
CONTENTS

Changes and influencing factors of the sediment load in the Xiliugou basin of the upper Yellow River, China H. Yao, C. Shi, W. Shao, J. Bai and H. Yang	1
Effect of grazing on carbon sequestration and tree growth that is developed in a silvopastoral system under wild cherry (<i>Prunus avium</i> L.) N. Ferreira-Domínguez, A. Rigueiro-Rodríguez, K.E. Rial-Lovera, R. Romero-Franco and M.R. Mosquera-Losada	11
Environmental magnetism as a dating proxy for recent overbank sediments of (peri-)industrial regions in the Czech Republic and UK M. Chudaničová, S.M. Hutchinson, J. Hradecký and J. Sedláček	21
Deterministic approach for susceptibility assessment of shallow debris slide in the Darjeeling Himalayas, India S. Sarkar, A.K. Roy and P. Raha	36
Morphology and long-term landscape evolution of the South African plateau in South Namibia F. Mvondo Owono, M.-J. Ntamak-Nida, O. Dauteuil, F. Guillocheau and B. Njom	47
Geomorphons: Landform and property predictions in a glacial moraine in Indiana landscapes Z. Libohova, H.E. Winzeler, B. Lee, P.J. Schoeneberger, J. Datta and P.R. Owens	66
Infiltration and interrill erosion rates after a wildfire in western Montana, USA P.R. Robichaud, J.W. Wagenbrenner, F.B. Pierson, K.E. Spaeth, L.E. Ashmun and C.A. Moffet	77
Combining place names and scientific knowledge on soil resources through an integrated ethnopedological approach G.F. Capra, A. Ganga, P. Filzmoser, C. Gaviano and S. Vacca	89
Variations in soil phosphorus biogeochemistry across six vegetation types along an altitudinal gradient in SW China J. Zhou, Y. Wu, H. Bing, Z. Yang, J. Wang, H. Sun, S. Sun and J. Luo	102
Stratigraphy and soil properties of fens: Geophysical case studies from northeastern Germany J. Walter, G. Hamann, E. Lück, C. Klingenfuss and J. Zeitz	112
No synergistic effects of water and nitrogen addition on soil microbial communities and soil respiration in a temperate desert Y.G. Su, G. Huang, Y.J. Lin and Y.M. Zhang	126
Cation exchange retards shell carbonate recrystallization: consequences for dating and paleoenvironmental reconstructions K. Zamanian, K. Pustovoytov and Y. Kuzakov	134
Testing soil fertility of Prehispanic terraces at Viejo Sangayaico in the upper Ica catchment of south-central highland Peru W.P. Nanavati, C. French, K. Lane, O.H. Oros and D. Beresford-Jones	139
Use of hydrochemistry and isotopes for improving the knowledge of groundwater flow in a semiconfined aquifer system of the Eastern Slavonia (Croatia) Ž. Brkić, M. Briški and T. Marković	153
Effects of different groundwater depths on the distribution characteristics of soil- <i>Tamarix</i> water contents and salinity under saline mineralization conditions J. Xia, S. Zhang, X. Zhao, J. Liu and Y. Chen	166
Anthropogenic geomorphic change as a potential generator of renewable geologic resources in the humid Pampa of Argentina L.M. Forte, M.H. Hurtado, N.V. Dangvas, L. Couyoupetrou, J.E. Giménez, M.M. da Silva, V.M. Bruschi and A. Cendrero	177
Detecting long-term valley fill evolution and rice paddy land use: Ageoarcheological investigation of the Baeksuk valley and the Bronze Age settlement, South Korea H. Lee and C. French	190

(Contents continued on last page of this issue)

(continued from outside back cover)

Occurrence and distribution of water repellency in size fractionated coastal dune sand in Sri Lanka under <i>Casuarina</i> shelterbelt D.A.L. Leelamanie	206
Trade-off between runoff and sediments from treated erosion plots and polyacrylamide and acrylamide residues S.H. Sadeghi, Z. Hazbavi, H. Younesi and N. Bahramifar	213
Developing an erodibility triangle for soil textures in semi-arid regions, NW Iran A.R. Vaezi, H. Hasanzadeh and A. Cerdà	221
Integration of the Statistical Index Method and the Analytic Hierarchy Process technique for the assessment of landslide susceptibility in Huizhou, China G. Zhang, Y. Cai, Z. Zheng, J. Zhen, Y. Liu and K. Huang	233
Smartstones: A small 9-axis sensor implanted in stones to track their movements O. Gronz, P.H. Hiller, S. Wirtz, K. Becker, T. Iserloh, M. Seeger, C. Brings, J. Aberle, M.C. Casper and J.B. Ries	245
Landslide-driven erosion and slope–channel coupling in steep, forested terrain, Ruahine Ranges, New Zealand, 1946–2011 I.C. Fuller, R.A. Riedler, R. Bell, M. Marden and T. Glade	252
Using terrestrial LiDAR data to analyse morphodynamics on steep unvegetated slopes driven by different geomorphic processes F. Neugirg, A. Kaiser, A. Huber, T. Heckmann, M. Schindewolf, J. Schmidt, M. Becht and F. Haas	269