

Significance of preferential flow at the rock soil interface in a semi-arid karst environment J. Sohrt, F. Ries, M. Sauter and J. Lange	1
The dynamics of desertification in the farming-pastoral region of North China over the past 10 years and their relationship to climate change and human activity D. Xu, C. Li, X. Song and H. Ren	11
Monitoring sediment source areas in a debris-flow catchment using terrestrial laser scanning G. Blasone, M. Cavalli, L. Marchi and F. Cazorzi	23
Soil quality as influenced by land use history of orchards in humid subtropics S. Hazarika, D. Thakuria, A.N. Ganeshamurthy and T. Sakthivel	37
Effects of biochar amendment on rapeseed and sweet potato yields and water stable aggregate in upland red soil Z. Liu, X. Chen, Y. Jing, Q. Li, J. Zhang and Q. Huang	45
Soil water content variations and hydrological relations of the cropland-treebelt-desert land use pattern in an oasis-desert ecotone of the Heihe River Basin, China Q. Shen, G. Gao, B. Fu and Y. Lü	52
Effects of afforestation on soil organic carbon and other soil properties S.Y. Korkanç	62
REE geochemistry of modern eolian dust deposits in Harbin city, Heilongjiang province, China: Implications for provenance Y. Xie, J. Meng and L. Guo	70
Porosity and pore size distribution of Ultisols and correlations to soil iron oxides S.-G. Lu, Z. Malik, D.-P. Chen and C.-F. Wu	79
Soil and vegetation transformation in abandoned vineyards of the Tokaj Nagy-Hill, Hungary T.J. Novák, J. Incze, M. Spohn, B. Glina and L. Giani	88
Root and soil carbon distribution at shoulderslope and footslope positions of temperate toposequences cropped to winter wheat N. Chirinda, S.D. Roncossek, G. Heckrath, L. Elsgaard, I.K. Thomsen and J.E. Olesen	99
Regional soil erosion assessment from remote sensing data in rehabilitated high density canopy forests of southern China H. Zhang, D. Yu, L. Dong, X. Shi, E. Warner, Z. Gu and J. Sun	106
Grazing exclusion effects on above- and below-ground C and N pools of typical grassland on the Loess Plateau (China) D. Wang, G.-L. Wu, Y.-J. Zhu and Z.-H. Shi	113
Weathering assessment in the Achala Batholith of the Sierra de Comechingones, Córdoba, central Argentina. I: Granite–regolith fractionation V.A. Campodonico, J.O. Martínez, S.O. Verdecchia, A.I. Pasquini and P.J. Depetris	121
Assessment of rainfall erosivity and its spatial and temporal variabilities: Case study of the Penedès area (NE Spain) M.C. Ramos and B. Durán	135

<i>Terra Rossa</i> catenas in Wisconsin, USA D.M. Evans and A.E. Hartemink	148
Particle size and shape variation of Ultisol aggregates affected by abrasion under different transport distances in overland flow J.-g. Wang, Z.-x. Li, C.-f. Cai and R.-m. Ma	153
Storage and depth distribution of organic carbon in volcanic soils as affected by environmental and pedological factors J.L. Mora, J.A. Guerra, C.M. Armas-Herrera, C.D. Arbelo and A. Rodríguez-Rodríguez	163
Correlations between soil geochemical properties and Fe(III) reduction suggest microbial reducibility of iron in different soils from Southern China M. Chen, C. Liu, F. Li, G. Zhai, H. Liu, C. Liu and W. Yu	176
Organic amendment effects on aggregate-associated organic C, microbial biomass C and glomalin in agricultural soils X. Zhang, X. Wu, S. Zhang, Y. Xing, R. Wang and W. Liang	188
Variation of the hydraulic properties and solute transport mechanisms in a silty-clay soil amended with natural zeolites N. Colombani, M. Mastrocicco, D. Di Giuseppe, B. Faccini and M. Coltorti	195
Effects of crop rotation and rainfall on water erosion on a gentle slope in the hilly loess area, China W. Wei, L. Chen, H. Zhang, L. Yang, Y. Yu and J. Chen	205
Runoff erosion process on different underlying surfaces from disturbed soils in the Three Gorges Reservoir Area, China X. Peng, D. Shi, D. Jiang, S. Wang and Y. Li	215
Sediment yield of a forest river basin in Ghana J.M. Kusimi, B.A. Amisigo and B.K. Banoeng-Yakubo	225
Soil erosion under teak (<i>Tectona grandis</i> L.f.) plantations: General patterns, assumptions and controversies J. Fernández-Moya, A. Alvarado, W. Forsythe, L. Ramírez, N. Algeet-Abarquero and M. Marchamalo-Sacristán	236
Using ¹³⁷ Cs technique to investigate the spatial distribution of erosion and deposition regimes for a small catchment in the black soil region, Northeast China J. An, F. Zheng and B. Wang	243
Development of pedotransfer functions for coastal plain soils using terrain attributes J.C. Obi, P.I. Ogban, U.J. Ituen and B.T. Udoh	252
Diurnal deviations in the relationship between CO ₂ efflux and temperature: A case study E. Darenova, M. Pavelka and M. Acosta	263
Obituary for Professor Dan H. Yaalon Last Honours to Dan H. Yaalon M. Rohdenburg	270
In memoriam: Dan Hardy Yaalon 1924–2014 D. de B Richter, E.R. Landa, E. Brevik and S. Berkowicz	272