

Effects of large gullies on catchment-scale soil moisture spatial behaviors: A case study on the Loess Plateau of China X. Gao, X. Zhao, P. Wu, L. Brocca and B. Zhang . . . . .	1
Mapping soil organic carbon content by geographically weighted regression: A case study in the Heihe River Basin, China X.-D. Song, D.J. Brus, F. Liu, D.-C. Li, Y.-G. Zhao, J.-L. Yang and G.-L. Zhang . . . . .	11
Response of Vertisols, Andosols, and Alisols to paddy management P. Winkler, K. Kaiser, A. Kölbl, T. Kühn, P. Schad, L. Urbanski, S. Fiedler, E. Lehndorff, K. Kalbitz, S.R. Utami, Z. Cao, G. Zhang, R. Jahn and I. Kögel-Knabner . . . . .	23
Organic substrate, clay type, texture, and water influence on NIR carbon measurements J.P. Wight, A.J. Ashworth and F.L. Allen . . . . .	36
Erosion rate predictions from PESERA and RUSLE at a Mediterranean site before and after a wildfire: Comparison & implications M. Karamesouti, G.P. Petropoulos, I.D. Papanikolaou, O. Kairis and K. Kosmas . . . . .	44
Solubility of trace metals in two contaminated paddy soils exposed to alternating flooding and drainage Y. Pan, L.T.C. Bonten, G.F. Koopmans, J. Song, Y. Luo, E.J.M. Temminghoff and R.N.J. Comans . . . . .	59
Impact of changes in land use, species and elevation on soil organic carbon and total nitrogen in Ethiopian Central Highlands M.A. Tesfaye, F. Bravo, R. Ruiz-Peinado, V. Pando and A. Bravo-Oviedo . . . . .	70
Bioenergy maize and soil erosion — Risk assessment and erosion control concepts E. Vogel, D. Deumlich and M. Kaupenjohann . . . . .	80
A new method to constrain soil development time using both OSL and radiocarbon dating X. Miao, H. Wang, P.R. Hanson, J.A. Mason and X. Liu . . . . .	93
Testing steady-state analysis of single-ring and square pressure infiltrometer data V. Bagarello, M. Iovino and J. Lai . . . . .	101
Mapping topsoil physical properties at European scale using the LUCAS database C. Ballabio, P. Panagos and L. Monatanarella . . . . .	110
Implications of variability in soil structures and physio-mechanical properties of soil after different failure patterns A.A. Tagar, J. Changying, D. Qishuo, J. Adamowski, J. Malard and F. Eltoum A . . . . .	124
River banks and channels as hotspots of soil pollution after large-scale remediation of a river basin M.T. Domínguez, J.M. Alegre, P. Madejón, E. Madejón, P. Burgos, F. Cabrera, T. Marañón and J.M. Murillo . . . . .	133
Natural restoration of soils on mine heaps with similar technogenic parent material: A case study of long-term soil evolution in Silesian-Krakow Upland Poland K. Ciarkowska, L. Gargiulo and G. Mele . . . . .	141
Prediction of soil organic carbon stock using visible and near infrared reflectance spectroscopy (VNIRS) in the field A. Cambou, R. Cardinael, E. Kouakoua, M. Villeneuve, C. Durand and B.G. Barthès . . . . .	151
Chemical weathering in the volcanic soils of Isla Santa Cruz (Galápagos Islands, Ecuador) T. Taboada, L. Rodríguez-Lado, C. Ferro-Vázquez, G. Stoops and A. Martínez Cortizas . . . . .	160

Sorption of paddy soil-derived dissolved organic matter on hydrous iron oxide–vermiculite mineral phases	
M. Sodano, D. Said-Pullicino, A.F. Fiori, M. Catoni, M. Martin and L. Celi . . . . .	169
Mapping peat layer properties with multi-coil offset electromagnetic induction and laser scanning elevation data	
D. Altdorff, M. Bechtold, J. van der Kruk, H. Vereecken and J.A. Huisman. . . . .	178
A methodological framework to assess the multiple contributions of soils to ecosystem services delivery at regional scale	
C. Calzolari, F. Ungaro, N. Filippi, M. Guermandi, F. Malucelli, N. Marchi, F. Staffilani and P. Tarocco . . . . .	190
Digital mapping of soil carbon in a viticultural region of Southern Brazil	
B.R. Bonfatti, A.E. Hartemink, E. Giasson, C.G. Tornquist and K. Adhikari . . . . .	204