

---

**CONTENTS**

(Abstracted/indexed in: *Chemical Abstracts Service; Current Contents/Agriculture, Biology & Environmental Sciences; Current Geographical Publications; Dokumentation Wasser; Elsevier BIOBASE/Current Awareness in Biological Sciences; EMBiology; Focus on: Global Change; GEOBASE; Research Alert Direct; Science Citation Index; SciSearch*). Also covered in the abstract and citation database Scopus®. Full text available on ScienceDirect®.

Effects of aspect–vegetation complex on soil nitrogen mineralization and microbial activity on the Tibetan Plateau N. Zhao and X.G. Li	1	Archaeopedology and chronostratigraphy of colluvial deposits as a proxy for regional land use history (Baar, southwest Germany) J. Henkner, J.J. Ahlrichs, S. Downey, M. Fuchs, B.R. James, T. Knopf, T. Scholten, S. Teuber and P. Kühn	93
Predicting maximum annual values of event soil loss by USLE-type models V. Bagarello, C. Di Stefano, V. Ferro and V. Pampalone	10	Water erosion and soil properties patterns along selected rainfall events in cultivated and abandoned terraced fields under renaturalisation M. Gispert, G. Pardini, M. Coldecarrera, M. Emran and S. Doni	114
Spatial and temporal variation of hydraulic conductivity and vegetation growth in green infrastructures using infiltrometer and visual technique V.K. Gadi, Y.-R. Tang, A. Das, C. Monga, A. Garg, C. Berretta and L. Sahoo	20	Evaluation of alternatives for flood irrigation and water usage in Spain under Mediterranean climate I. García-Garizábal, J. Causapé and D. Merchán	127
Model experimental study of landslides based on combined optical fiber transducer and different types of boreholes Z.-W. Zhu, B. Liu, P. Liu, B.-y. Zhao and Z.-Y. Feng	30	A fuzzy logic slope-form system for predictive soil mapping of a landscape-scale area with strong relief conditions L.V. Bui, K. Stahr and G. Clemens	135
Spatial variability of organic carbon and total nitrogen in the soils of a subalpine forested catchment at Mt. Taiyue, China T. Wang, F. Kang, X. Cheng, H. Han, Y. Bai and J. Ma	41	Rainfall pulses modify soil carbon emission in a semiarid desert Z. Liu, Y. Zhang, K. Fa, S. Qin and W. She	147
Responses of different Collembola and mite taxa to experimental rain pulses in an arid ecosystem J.-L. Liu, F.-R. Li, L.-L. Liu and K. Yang	53	Relationship between soil nutritive resources and the growth and mineral nutrition of a beech ( <i>Fagus sylvatica</i> ) stand along a soil sequence C. Christophe, K. Gil, S.-A. Laurent, R. Paul-Olivier, T. Marie-Pierre	156
Evaluation and estimation of surface water quality in an arid region based on EEM-PARAFAC and 3D fluorescence spectral index: A case study of the Ebinur Lake Watershed, China X. Wang, F. Zhang, H.-t. Kung, A. Ghulam, A.L. Trumbo, J. Yang, Y. Ren and Y. Jing	62	Land use management effects on soil hydrophobicity and hydraulic properties in Ekiti State, forest vegetative zone of Nigeria I.E. Olorunfemi and J.T. Fasinmirin	170
Contribution of deeper soil horizons to N and C cycling during the snow-free season in alpine tundra, NW Italy A. Magnani, D. Viglietti, R. Balestrini, M.W. Williams and M. Freppaz	75	The abrasion of soil aggregate under different artificial rough beds in overland flow J.-g. Wang, B. Yu, W. Yang, J.-n. Cheng, Y.-r. Song and C.-f. Cai	183
Comparison of different methods to estimate the soil sorptivity from an upward infiltration curve D. Moret-Fernández, B. Latorre and M. Angulo-Martínez	86	Spatial variation in soil, SOC, and total N redistribution on affected and non-affected slope terraces due to the 8.0 Wenchuan Earthquake in 2008 by using <sup>137</sup> Cs technique Z. Su, Y. Li, J. Zhang, D. Xiong, Y. Dong, S. Zhang, B. Zhang and D. Yang	191