

## VOLUME 103, APRIL 2013

Fragile landscape systems W.J. Fletcher, D. Faust and C. Zielhofer .....	1
Abiotic and biotic recovery pathways of arid rangelands: Lessons from the High Atlas Mountains, Morocco A. Linstädter and G. Baumann .....	3
Fragility of Western Mediterranean landscapes during Holocene Rapid Climate Changes W.J. Fletcher and C. Zielhofer .....	16
Environmental response of a fragile, semiarid landscape (Bardenas Reales Natural Park, NE Spain) to Early Holocene climate variability: A paleo- and environmental-magnetic approach M. Gómez-Paccard, J.C. Larrasoaña, C. Sancho, A. Muñoz, E. McDonald, E.J. Rhodes, M.C. Osácar, E. Costa and E. Beamud .....	30
The influence of Saharan dust deposits on La Palma soil properties (Canary Islands, Spain) H. von Suchodoletz, B. Glaser, T. Thrippleton, T. Broder, U. Zang, R. Eigenmann, B. Kopp, M. Reichert and Z. Ludwig .....	44
Soil water repellency in rangelands of Extremadura (Spain) and its relationship with land management S. Schnabel, M. Pulido-Fernández and J.F. Lavado-Contador .....	53
Fragile landscapes, fragile civilizations — How climate determined societies in the pre-Columbian south Peruvian Andes B. Mächtle and B. Eitel .....	62
Sensitivity of frost weathering and aeolian deposition during genesis of Late Quaternary periglacial slope covers on calcareous rocks of a Muschelkalk landscape, eastern Thuringian Basin, Germany H. Bullmann and J. Heinrich .....	74
Holocene sediment fluxes in a fragile loess landscape (Saxony, Germany) D. Wolf and D. Faust .....	87
Dune cliff erosion and beach width change at the northern and southern spits of Sylt detected with multi-temporal Lidar A. Richter, D. Faust and H.-G. Maas .....	103