

Contents

BOTANY

- Thevs, N., Wucherer, W. & Buras, A. Spatial distribution and carbon stock of the Saxaul vegetation of the winter-cold deserts of Middle Asia 29
- Aguirre-Dugua, X. & Eguiarte, L.E. Genetic diversity, conservation and sustainable use of wild *Agave cupreata* and *Agave potatorum* extracted for mezcal production in Mexico 36
- Nano, C.E.M., Bowland, A.E. & Pavey, C.R. Factors controlling regeneration in a rare desert tree *Acacia peuce*: Limits to soil seed bank accumulation in time and space 114
-

ZOOLOGY

- Zduniak, P., Yosef, R. & Meyrom, K. A comparison of passerine migration in southern and northern Israel 22
- Sá-Neto, R.J. & Marinho-Filho, J. Bats in fragments of xeric woodland caatinga in Brazilian semiarid 88
-

WATER AND SOIL

- Ding, Z., Ma, J., Zhao, W., Jiang, Y. & Love, A. Profiles of geochemical and isotopic signatures from the Helan Mountains to the eastern Tengger Desert, northwestern China 77
- Dzikiti, S., Schachtschneider, K., Naiken, V., Gush, M., Moses, G. & Le Maitre, D.C. Water relations and the effects of clearing invasive *Prosopis* trees on groundwater in an arid environment in the Northern Cape, South Africa 103
-

LAND USE

- Barbero-Sierra, C., Marques, M.J. & Rufz-Pérez, M. The case of urban sprawl in Spain as an active and irreversible driving force for desertification 95
-

LANDSCAPE

- Michaud, G.A., Monger, H.C. & Anderson, D.L. Geomorphic-vegetation relationships using a geopedological classification system, northern Chihuahuan Desert, USA 45
- He, W.M., Xi, W.M. & Anten, N.P.R. Chronic wind and plant communities in dunes: Total biomass, inter-specific competition, and species abundance 69
-

SHORT COMMUNICATION

- Barrio, I.C., Bueno, C.G., Villafuerte, R. & Tortosa, F.S. Rabbits, weeds and crops: Can agricultural intensification promote wildlife conflicts in semiarid agro-ecosystems? 1
-

DESERTIFICATION

- Herrmann, S.M. & Tappan, G.G. Vegetation impoverishment despite greening: A case study from central Senegal 55
-

SOIL CRUSTS

- Zaady, E., Arbel, S., Barkai, D. & Sarig, S. Long-term impact of agricultural practices on biological soil crusts and their hydrological processes in a semiarid landscape 5
-

THINK NOTE

- Moura, F.d.B.P., Mendes Malhado, A.C. & Ladle, R.J. Nursing the caatinga back to health 67
-

POPULATIONS

- Alpert, H. & Loik, M.E. *Pinus jeffreyi* establishment along a forest-shrub ecotone in eastern California, USA 12