

Contents

Dust Storms

- Indoitu, R., Orlovsky, L. & Orlovsky, N. Dust storms in Central Asia: Spatial and temporal variations. 62
-

Microbiology

- Noe, L., Ascher, J., Ceccherini, M.T., Abril, A. & Pietramellara, G. Molecular discrimination of bacteria (organic *versus* mineral soil layers) of dry woodlands of Argentina 18
-

Botany

- Loro, M., Valero-Jiménez, C.A., Nozawa, S. & Márquez, L.M. Diversity and composition of fungal endophytes in semiarid Northwest Venezuela 46
- Ye, C.P., Zhang, M.C., Yang, Y.F. & Thirumaran, G. Photosynthetic performance in aquatic and terrestrial colonies of *Nostoc flagelliforme* (Cyanophyceae) under aquatic and aerial conditions 56
- Zheng, M., Lai, L., Jiang, L., An, P., Yu, Y., Zheng, Y., Shimizu, H., Baskin, J.M. & Baskin, C.C. Moderate water supply and partial sand burial increase relative growth rate of two *Artemisia* species in an inland sandy land 105
-

Zoology

- Riojas-López, M.E. Response of rodent assemblages to change in habitat heterogeneity in fruit-oriented nopal orchards in the Central High Plateau of Mexico 27
- Rocha, L.G., Medeiros, E.S.F. & Andrade, H.T.A. Influence of flow variability on macroinvertebrate assemblages in an intermittent stream of semi-arid Brazil 33
- Paknia, O. & Pfeiffer, M. Productivity alone does not explain species richness of ants – An example from Central Persian deserts 86
- Miranda, M., Sicilia, M., Bartolomé, J., Molina-Alcaide, E., Gálvez-Bravo, L. & Cassinello, J. Foraging sexual segregation in a Mediterranean environment: Summer drought modulates sex-specific resource selection 97
-

Short Communication

- Djumaeva, D., Lamers, J.P.A., Martius, C. & Vlek, P.L.G. Chlorophyll meters for monitoring foliar nitrogen in three tree species from arid Central Asia 41
- Pardiñas, U.F.J., Udrizar Sauthier, D.E. & Teta, P. Micromammal diversity loss in central-eastern Patagonia over the last 400 years 71
- Darby, B.J. & Neher, D.A. Stable isotope composition of microfauna supports the occurrence of biologically fixed nitrogen from cyanobacteria in desert soil food webs 76
- Barazani, O., Quaye, M., Ohali, S., Barzilai, M. & Kigel, J. Photo-thermal regulation of seed germination in natural populations of *Eruca sativa* Miller (Brassicaceae) 93
- König, P. Plant life in the Umm as Samim, Oman – A case study in a major inland sabkha 122
- Borer, C.H., Hamby, M.N. & Hutchinson, L.H. Plant tolerance of a high calcium environment via foliar partitioning and sequestration 128
- Charter, M., Izhaki, I., Leshem, Y. & Roulin, A. Diet and breeding success of long-eared owls in a semi-arid environment. 142
-

Review Paper

- Cousins, S.R. & Witkowski, E.T.F. African aloe ecology: A review 1
-

Water and Soil

- Ohrman, M.K., Sher, A.A. & Lair, K.D. Quantifying soil salinity in areas invaded by *Tamarix* spp. 114
-

Pastoralism

- Suliman, H.M. & Elagib, N.A. Implications of climate, land-use and land-cover changes for pastoralism in eastern Sudan 132
-

Land Use

- Táلامo, A., de Casenave, J.L. & Caziani, S.M. Components of woody plant diversity in semi-arid Chaco forests with heterogeneous land use and disturbance histories 79