

Arid Environments

Volume 103 April 2014

Contents

BOTANY

- Zhou, Z., Su, P., González-Paleo, L., Xie, T., Li, S. & Zhang, H. Trade-off between leaf turnover and biochemical responses related to drought tolerance in desert woody plants 107

ZOOLOGY

- Wan, X., Zhang, X., Wang, G. & Chen, L. Optimal body weight of Brandt's voles for winter survival. 31
- Koshkin, M.A., Collar, N.J. & Dolman, P.M. Do sheep affect distribution and habitat of Asian Houbara *Chlamydotis macqueenii*? 53
- Moreno-Rueda, G. Distribution of arid-dwelling land snails according to dryness 80
- Davie, H.S., Murdoch, J.D., Lhagvasuren, A. & Reading, R.P. Measuring and mapping the influence of landscape factors on livestock predation by wolves in Mongolia 85

WATER AND SOIL

- Homyak, P.M. & Sickman, J.O. Influence of soil moisture on the seasonality of nitric oxide emissions from chaparral soils, Sierra Nevada, California, USA. 46

LAND USE

- King, C. & Thomas, D.S.G. Monitoring environmental change and degradation in the irrigated oases of the Northern Sahara 36
- Kaplan, S., Blumberg, D.G., Mamedov, E. & Orlovsky, L. Land-use change and land degradation in Turkmenistan in the post-Soviet era. 96

LANDSCAPE

- Mitra, B., Mackay, D.S., Pendall, E., Ewers, B.E. & Cleary, M.B. Does vegetation structure regulate the spatial structure of soil respiration within a sagebrush steppe ecosystem? 1
- Eisfelder, C., Klein, I., Niklaus, M. & Kuenzer, C. Net primary productivity in Kazakhstan, its spatio-temporal patterns and relation to meteorological variables 17

SHORT COMMUNICATION

- Singh, R., Qureshi, Q., Sankar, K., Krausman, P.R. & Goyal, S.P. Population and habitat characteristics of caracal in semi-arid landscape, western India 92

ANTHROPOLOGY

- Hall, J.C. & Hamilton, I.M. Religious tradition of conservation associated with greater abundance of a keystone tree species in rural Western Rajasthan, India 11

CLIMATOLOGY

- Petrie, M.D., Collins, S.L., Gutzler, D.S. & Moore, D.M. Regional trends and local variability in monsoon precipitation in the northern Chihuahuan Desert, USA. 63
- Nicholson, S.E. A detailed look at the recent drought situation in the Greater Horn of Africa 71