

Journal of
Arid Environments

Volume 142 July 2017

Contents

BOTANY

- Cavagnaro, F.P. & Golluscio, R.A. Structural anti-herbivore defense reduction of two Patagonian spiny shrubs in response to long time exclusion of large herbivores 36
- Carrión, J.F., Gastauer, M., Mota, N.M. & Meira-Neto, J.A.A. Facilitation as a driver of plant assemblages in Caatinga 50

ZOOLOGY

- Nielsen, T.P., Fildes, S. & Bull, C.M. Does sheep grazing affect burrow choice of the pygmy bluetongue lizard (*Tiliqua adelaidensis*)? 22

SOIL AND WATER

- Young, M.H., Fenstermaker, L.F. & Belnap, J. Monitoring water content dynamics of biological soil crusts 41
- Chung, Y.A., Sinsabaugh, R.L., Kuske, C.R., Reed, S.C. & Rudgers, J.A. Spatial variation in edaphic characteristics is a stronger control than nitrogen inputs in regulating soil microbial effects on a desert grass 59

SHORT COMMUNICATIONS

- Oyarzún, R., Oyarzún, J., Fairley, J.P., Núñez, J., Gómez, N., Arumí, J.L. & Maturana, H. A simple approach for the analysis of the structural-geologic control of groundwater in an arid rural, mid-mountain, granitic and volcanic-sedimentary terrain: The case of the Coquimbo Region, North-Central Chile 31

REMOTE SENSING

- Formica, A.F., Burnside, R.J. & Dolman, P.M. Rainfall validates MODIS-derived NDVI as an index of spatio-temporal variation in green biomass across non-montane semi-arid and arid Central Asia 11

ECOSYSTEMS

- Birhane, E., Aregawi, K. & Giday, K. Changes in arbuscular mycorrhiza fungi spore density and root colonization of woody plants in response to enclosure age and slope position in the highlands of Tigray, Northern Ethiopia 1