

Contents

Botany

- Tracol, Y., Gutiérrez, J.R. & Squeo, F.A. Plant Area Index and microclimate underneath shrub species from a Chilean semiarid community. 1
- Alvarez, J.A., Villagra, P.E., Villalba, R., Cony, M.A. & Alberto, M. Wood productivity of *Prosopis flexuosa* D.C. woodlands in the central Monte: Influence of population structure and tree-growth habit 7
-

Zoology

- Abu Baker, M. & Patterson, B.D. Patterns in the local assembly of Egyptian rodent faunas: Co-occurrence and nestedness . . . 14
- Hetem, R.S., de Witt, B.A., Fick, L.G., Fuller, A., Maloney, S.K., Meyer, L.C.R., Mitchell, D. & Kerley, G.I.H. Effects of desertification on the body temperature, activity and water turnover of Angora goats 20
-

Soil and Water

- Perez-Quezada, J.F., Delpiano, C.A., Snyder, K.A., Johnson, D.A. & Franck, N. Carbon pools in an arid shrubland in Chile under natural and afforested conditions 29
- De Deckker, P., Magee, J.W. & Shelley, J.M.G. Late Quaternary palaeohydrological changes in the large playa Lake Frome in central Australia, recorded from the Mg/Ca and Sr/Ca in ostracod valves and biotic remains 38
- Yan, M., Zhang, X., Zhou, G., Gong, J. & You, X. Temporal and spatial variation in soil respiration of poplar plantations at different developmental stages in Xinjiang, China 51
-

Grazing

- Dunne, T., Western, D. & Dietrich, W.E. Effects of cattle trampling on vegetation, infiltration, and erosion in a tropical rangeland. 58
- Vega, E. & Montaña, C. Effects of overgrazing and rainfall variability on the dynamics of semiarid banded vegetation patterns: A simulation study with cellular automata 70
-

Ethnobotany

- Eyssartier, C., Ladio, A.H. & Lozada, M. Traditional horticultural knowledge change in a rural population of the Patagonian steppe. 78
-

Short Communication

- Serbent, M.P., Periago, M.E. & Leynaud, G.C. *Mazama gouazoubira* (Cervidae) diet during the dry season in the arid Chaco of Córdoba (Argentina) 87