

# Journal of *Arid Environments*

Volume 111 December 2014

## Contents

---

### BOTANY

- Rysavy, A., Seifan, M., Sternberg, M. & Tielbörger, K. Shrub seedling survival under climate change – Comparing natural and experimental rainfall gradients. . . . . 14
- 

### PLANT ECOLOGY

- Verwijmeren, M., Rietkerk, M., Bautista, S., Mayor, A.G., Wassen, M.J. & Smit, C. Drought and grazing combined: Contrasting shifts in plant interactions at species pair and community level. . . . . 53
- Emam, T.M., Espeland, E.K. & Rinella, M.J. Soil sterilization alters interactions between the native grass *Bouteloua gracilis* and invasive *Bromus tectorum* . . . . . 91
- 

### ZOOLOGY

- Atashbar, B., Agh, N., Van Stappen, G. & Beladjal, L. Diversity and distribution patterns of large branchiopods (Crustacea: Branchiopoda) in temporary pools (Iran) . . . . . 27
- Coates, P.S., Howe, K.B., Casazza, M.L. & Delehanty, D.J. Common raven occurrence in relation to energy transmission line corridors transiting human-altered sagebrush steppe. . . . . 68
- Vázquez, J. & Álvarez-Castañeda, S.T. Influence of kangaroo rat burrows in the spatial organization of the San Jose Island rodent community. . . . . 84
- 

### SOIL AND WATER

- Borrok, D.M. & Engle, M.A. The role of climate in increasing salt loads in dryland rivers . . . . . 7
- Hajani, E. & Rahman, A. Rainwater utilization from roof catchments in arid regions: A case study for Australia . . . . . 35
- Dekker, F.J. & Hughson, D.L. Reliability of ephemeral montane springs in Mojave National Preserve, California . . . . . 61
- 

### RESTORATION

- Miyasaka, T., Okuro, T., Miyamori, E., Zhao, X. & Takeuchi, K. Effects of different restoration measures and sand dune topography on short- and long-term vegetation restoration in northeast China . . . . . 1
- 

### METEOROLOGY

- Bunting, D.P., Kurc, S.A., Glenn, E.P., Nagler, P.L. & Scott, R.L. Insights for empirically modeling evapotranspiration influenced by riparian and upland vegetation in semiarid regions. . . . . 42
- 

### SHORT COMMUNICATIONS

- Golluscio, R.A., Irueta, R. & Cipriotti, P.A. The elusive quantification of nitrogen fixation in xeric shrubs: The case of *Adesmia volckmannii*, a Patagonian leguminous shrub. . . . . 22
- McAllister, M.M., Schooley, R.L., Bestelmeyer, B.T., Coffman, J.M. & Cosentino, B.J. Effects of grassland restoration efforts on mound-building ants in the Chihuahuan Desert . . . . . 79