

AUSTRALIAN JOURNAL OF BOTANY

A journal for papers in ecology and ecophysiology; conservation biology and biodiversity; forest biology and management; cell and molecular biology; palaeobotany; reproductive biology and genetics; mycology and pathology; and structure and development

Contents Volume 57 Issue 8 2009

Ecology and Ecophysiology

Water relations of woody plants on contrasting soils during drought: does edaphic compensation account for dry rainforest distribution?

*Timothy J. Curran, Peter J. Clarke
and Nigel W. M. Warwick* 629–639

Consistency in seed-deposition patterns and the distribution of mistletoes among its host trees in an Amazonian savanna.

*Rodrigo Ferreira Fadini,
Danielly Caroline Miléo Gonçalves
and Rúbia Patrícia Fernandes Reis* 640–646

Effect of time since burn on soil seedbanks in the jarrah forest of Western Australia.

*John M. Koch, Alex M. Ruschmann
and Tim K. Morald* 647–660

Tolerance of *Sesbania virgata* plants to flooding.

*Ilisandra Zanandrea, José D. Alves, Sidnei Deuner,
Patrícia de F. P. Goulart, Paôla de C. Henrique
and Neidiquele M. Silveira* 661–669

Short communication. Seed persistence of the invasive aquatic plant, *Gymnocoronis spilanthoides* (Asteraceae).

F. Dane Panetta 670–674

Conservation Biology and Biodiversity

Population ecology and genetics of the vulnerable *Acacia attenuata* (Mimosaceae) and their significance for its conservation, recovery and translocation.

*Heather Brownlie, Julia Playford, Helen Wallace and
Alison Shapcott* 675–687

Reproductive Biology and Genetics

Aleurone and subaleurone morphology in native Australian wild cereal relatives.

F. M. Shapter, M. P. Dawes, L. S. Lee and R. J. Henry 688–696

Reproductive biology and intergeneric breeding compatibility of ornamental *Portulaca* and *Calandrinia* (Portulacaceae).

*Priyanka Wickramasinghe, Dion K. Harrison and
Margaret E. Johnston* 697–707

Structure and Development

Water deficit changes the anatomy of the fruit abscission zone in *Raphanus raphanistrum* (Brassicaceae).

*Mohammad S. Taghizadeh, Simon Crawford,
Marc E. Nicolas and Roger D. Cousens* 708–714