

# 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 58    Issue 1    2010

## Turner Review No. 19

Savanna woody plant dynamics: the role of fire and herbivory, separately and synergistically.

*Jeremy J. Midgley, Michael J. Lawes  
and Simon Chamaillé-Jammes* 1–11

## Systematics

Chromosome and morphological studies in the *Mimosa debilis* complex (Mimosoideae, Leguminosae) from southern South America.

*Matías Morales, Arturo F. Wulff, Renée H. Fortunato  
and Lidia Poggio* 12–22

## Ecology and Ecophysiology

Polypliody and possible implications for the evolutionary history of some Australian Danthoneiae.

*C. Waters, B. G. Murray, G. Melville,  
D. Coates, A. Young and J. Virgona* 23–34

Pollination ecology of the rare desert species *Eremosparton songoricum* (Fabaceae).

*X. Shi, J. C. Wang, D. Y. Zhang, J. F. Gaskin  
and B. R. Pan* 35–41

## Reproductive Biology and Genetics

Cytological analysis of hybrid embryos of intergeneric crosses between *Salix viminalis* and *Populus* species.

*Agnieszka Bagniewska-Zadworna,  
Maria K. Wojciechowicz, Maciej Zenkteler,  
Stanisław Jezowski and Elżbieta Zenkteler* 42–48

Karyotypic diversification and its contribution to the taxonomy of *Eleocharis* (Cyperaceae) from Brazil.

*Carlos Roberto Maximiano da Silva, Rafael Trevisan,  
Maria Socorro González-Elizondo,  
Josué Maldonado Ferreira  
and André Luís Laforga Vanzela* 49–60

## Structure and Development

Floral ontogeny of *Brunonia australis* (Goodeniaceae) and *Calandrinia* sp. (Portulacaceae).

*Robyn L. Cave, Colin J. Birch, Graeme L. Hammer,  
John E. Erwin and Margaret E. Johnston* 61–69

Ovule ontogeny of *Relbunium* species in the evolutionary context of Rubiaceae.

*Karen L. G. De Toni and Jorge E. A. Mariath* 70–79

Corrigendum 80