

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 2 2009

Reproductive Biology and Genetics

Short Communication. A robust method for chromosome quantification and ploidy determination in woody species.

H. K. Gamage and S. Schmidt 87–93

Pollination biology of *Syngonanthus elegans* (Eriocaulaceae – Poales).

A. Oriani, P. T. Sano and V. L. Scatena 94–105

Ecology and Ecophysiology

Comment. Hypocotyl hairs: an historical perspective.

R. F. Parsons 106–108

Breeding system and pollen limitation in two supergeneralist alien plants invading Mediterranean shrublands.

I. Bartomeus and M. Vilà 109–115

Mycology and Pathology

Nivicolous myxomycetes from alpine areas of south-eastern Australia.

S. L. Stephenson and J. D. L. Shadwick 116–122

Conservation Biology and Biodiversity

Variation in seed longevity among different populations, species and genera found in collections from wild Australian plants.

J. Kochanek, K. J. Steadman, R. J. Probert and S. W. Adkins 123–131

Forest Biology and Management

What lies beneath? The pattern and abundance of the subterranean tuber bank of the invasive liana cat's claw creeper, *Macfadyena unguis-cati* (Bignoniaceae).

O. O. Osunkoya, K. Pyle, T. Scharaschkin and K. Dhileepan 132–138

Structure and Development

Effect of boiling water, seed coat structure and provenance on the germination of *Acacia melanoxylon* seeds.

G. E. Burrows, J. M. Virgona and R. D. Heady 139–147

Foliar anatomy of the subfamily Myrtoideae (Myrtaceae).

C. M. V. Cardoso, S. L. Proença and M. G. Sajo 148–161