

711  
A60/8

**SPECIAL ISSUE**  
Pollinator-Driven Speciation

# ANNALS OF BOTANY

Founded 1887

Volume 113

Number 2

January 2014



[www.aob.oxfordjournals.org](http://www.aob.oxfordjournals.org)

ISSN 0305-7364 (PRINT)  
ISSN 1095-8290 (ONLINE)

# ANNALS OF BOTANY

Founded 1887

Volume 113 Number 2 January 2014

Content *Snapshots* i

## VIEWPOINT

Van der Niet, T., Peakall, R. and Johnson, S. D. Pollinator-driven ecological speciation in plants: new evidence and future perspectives 199

## ARTICLES

de Jager, M. L. and Ellis, A. G. Floral polymorphism and the fitness implications of attracting pollinating and florivorous insects 213

Briscoe Runquist, R. D. and Moeller, D. A. Floral and mating system divergence in secondary sympatry: testing an alternative hypothesis to reinforcement in *Clarkia* 223

Gómez, J. M., Muñoz-Pajares, A. J., Abdelaziz, M., Lorite, J. and Perfectti, F. Evolution of pollination niches and floral divergence in the generalist plant *Erysimum mediohispanicum* 237

Cosacov, A., Cocucci, A. A. and Sérsic, A. N. Geographical differentiation in floral traits across the distribution range of the Patagonian oil-secreting *Calceolaria polyrhiza*: do pollinators matter? 251

Boberg, E., Alexandersson, R., Jonsson, M., Maad, J., Ågren, J. and Nilsson, L. A. Pollinator shifts and the evolution of spur length in the moth-pollinated orchid *Platanthera bifolia* 267

Peter, C. I. and Johnson, S. D. A pollinator shift explains floral divergence in an orchid species complex in South Africa 277

Sun, M., Gross, K. and Schiestl, F. P. Floral adaptation to local pollinator guilds in a terrestrial orchid 289

Van der Niet, T., Pirie, M. D., Shuttleworth, A., Johnson, S. D. and Midgley, J. J. Do pollinator distributions underlie the evolution of pollination ecotypes in the Cape shrub *Erica plukenetii*? 301

Miller, T. J., Raguso, R. A. and Kay, K. M. Novel adaptation to hawkmoth pollinators in *Clarkia* reduces efficiency, not attraction of diurnal visitors 317

Armbruster, W. S., Shi, X.-Q. and Huang, S.-Q. Do specialized flowers promote reproductive isolation? Realized pollination accuracy of three sympatric *Pedicularis* species 331

Contents continued on inside back cover



Scan to view this journal  
on your mobile device

OXFORD  OPEN

OXFORD  
UNIVERSITY PRESS



Peakall, R. and Whitehead, M. R. Floral odour chemistry defines species boundaries and underpins strong reproductive isolation in sexually deceptive orchids	341
Forest, F., Goldblatt, P., Manning, J. C., Baker, D., Colville, J. F., Devey, D. S., Jose, S., Kaye, M. and Buerki, S. Pollinator shifts as triggers of speciation in painted petal irises ( <i>Lapeirousia</i> : Iridaceae)	357
Newman, E., Manning, J. and Anderson, B. Matching floral and pollinator traits through guild convergence and pollinator ecotype formation	373

For more information about *Annals of Botany* please visit our website at [www.aob.oxfordjournals.org](http://www.aob.oxfordjournals.org)

**Disclaimer**

Statements of fact and opinion in the articles in *Annals of Botany* are those of the respective authors and contributors and not of *Annals of Botany* Company or Oxford University Press. Neither Oxford University Press nor *Annals of Botany* Company make any representation, express or implied, in respect of the accuracy of the material in this journal and cannot accept any legal responsibility or liability for any errors or omissions that may be made. The reader should make his/her own evaluation as to the appropriateness or otherwise of any experimental technique described.