

ECOLOGY LETTERS

Volume 18 Number 4 | April 2015



Cover Caption: *Rhodanthe manglesii* and other native forbs growing in York gum – jam woodland, Western Australia
Photo credit: John M. Dwyer
From: Hao Ran Lai, p. 336

WILEY
Blackwell



ISSN 1461-023X www.ecologyletters.com

ECOLOGY LETTERS

April 2015 Volume 18, Issue 4 Pages i–ii, 317–415

Issue Information

Issue Information (pages i–ii)

Letters

Differential effects of genetic vs. environmental quality in *Drosophila melanogaster* suggest multiple forms of condition dependence (pages 317–326)

Russell Bonduriansky, Martin A. Mallet, Devin Arbuthnott, Vera Pawlowsky-Glahn, Juan José Egozcue and Howard D. Rundle

Temperature-size responses match latitudinal-size clines in arthropods, revealing critical differences between aquatic and terrestrial species (pages 327–335)

Curtis R. Horne, Andrew G. Hirst and David Atkinson

Distinct invasion strategies operating within a natural annual plant system (pages 336–346)

Hao Ran Lai, Margaret M. Mayfield, Justine M. Gay-des-combes, Thomas Spiegelberger and John M. Dwyer

Phylogenies support out-of-equilibrium models of biodiversity (pages 347–356)

Marc Manceau, Amaury Lambert and H el ene Morlon

Climate-dependent costs of reproduction: Survival and fecundity costs decline with length of the growing season and summer temperature (pages 357–364)

Nina Sletvold and Jon  gren

‘Do you remember the first time?’ Host plant preference in a moth is modulated by experiences during larval feeding and adult mating (pages 365–374)

Magali Proffit, Mohammed A. Khallaf, David Carrasco, Mattias C. Larsson and Peter Anderson

Acceleration of cyanobacterial dominance in north temperate-subarctic lakes during the Anthropocene (pages 375–384)

Zofia E. Taranu, Irene Gregory-Eaves, Peter R. Leavitt, Lynda Bunting, Teresa Buchaca, Jordi Catalan, Isabelle Domaizon, Piero Guilizzoni, Andrea Lami, Suzanne McGowan, Heather Moorhouse, Giuseppe Morabito, Frances R. Pick, Mark A. Stevenson, Patrick L. Thompson and Rolf D. Vinebrooke

Reviews and Syntheses

A conceptual framework for studying the strength of plant–animal mutualistic interactions (pages 385–400)

Diego P. V azquez, Rodrigo Ramos-Jiliberto, Pasquinn Urbani and Fernanda S. Valdovinos

The community ecology of pathogens: coinfection, coexistence and community composition (pages 401–415)

Eric W. Seabloom, Elizabeth T. Borer, Kevin Gross, Amy E. Kendig, Christelle Lacroix, Charles E. Mitchell, Erin A. Mordecai and Alison G. Power