

# **Journal of Tropical Ecology**

**Volume 13  
1997**

**Reprinted with the permission of the original publisher  
by  
Periodicals Service Company  
Germantown, NY  
2009**

**Printed on acid-free paper.**

**This reprint was reproduced from the  
best original edition copy available.**

**NOTE TO THE REPRINT EDITION:  
In some cases full page advertisements which do not add to  
the scholarly value of this volume have been omitted.  
As a result, some reprinted volumes may have irregular pagination.**

# Journal of Tropical Ecology

VOLUME 13 1997

*Editor*

D. M. NEWBERY

*Editorial Board*

F. BONGERS

R. KITCHING

D. LIEBERMAN

M. LIEBERMAN

M. NORDIN

D. POMEROY

H. H. T. PRINS

E. V. J. TANNER

M. J. A. WERGER

Published in association with INTECOL by Cambridge University Press



PUBLISHED BY  
THE PRESS SYNDICATE OF THE UNIVERSITY OF CAMBRIDGE  
The Edinburgh Building, Cambridge CB2 2RU, United Kingdom  
40 West 20th Street, New York, N.Y. 10011-4211, USA  
10 Stamford Road, Oakleigh, Melbourne 3166, Australia

© Cambridge University Press 1997  
Published in association with INTECOL (International Association for Ecology).

*Printed in Great Britain at the University Press, Cambridge*

<b>M. A. Pizo:</b> Seed dispersal and predation in two populations of <i>Cabralea canjerana</i> (Meliaceae) in the Atlantic Forest of southeastern Brazil . . . . .	559
<b>A. E. Russell &amp; P. M. Vitousek:</b> Decomposition and potential nitrogen fixation in <i>Dicranopteris linearis</i> litter on Mauna Loa, Hawai'i. . . . .	579
<b>C. A. Peres &amp; C. Baider:</b> Seed dispersal, spatial distribution and population structure of Brazil-nut trees ( <i>Bertholletia excelsa</i> ) in southeastern Amazonia . . . . .	595

#### SHORT COMMUNICATIONS

<b>K. E. Harms &amp; J. W. Dalling:</b> Damage and herbivory tolerance through resprouting as an advantage of large seed size in tropical trees and lianas . . . . .	617
<b>S. D. Torti, P. D. Coley &amp; D. P. Janos:</b> Vesicular-arbuscular mycorrhizae in two tropical monodominant trees . . . . .	623
<b>C. L. Krijger, M. Opdam, M. Théry &amp; F. Bongers:</b> Courtship behaviour of manakins and seed bank composition in a French Guianian rain forest . . . . .	631

<b>ERRATUM</b> . . . . .	578
--------------------------	-----

#### BOOK REVIEWS:

<b>Caldecott, J.</b> <i>Designing conservation projects: people and biodiversity in endangered tropical environments</i> (M. J. B. Green). . . . .	637
<b>Churchill, S. P. et al.</b> <i>Biodiversity and conservation of neotropical montane forest</i> (E. Tanner) . . . . .	637
<b>Leigh, E. G. et al.</b> <i>The ecology of a tropical forest: seasonal rhythms and long-term changes</i> (D. P. Reagan) . . . . .	638
<b>Reagan, D. P. &amp; Waide, R. B.</b> <i>The food web of a tropical rain forest</i> (D. Winsor) . . . . .	639
<b>Wagner, W. L. &amp; Funk, V. A.</b> <i>Hawaiian biogeography: evolution on a hot spot archipelago</i> (L. R. Walker & B. R. Riddle) . . . . .	640

#### Volume 13 Part 5 September 1997

<b>R. Cintra:</b> A test of the Janzen–Connell model with two common tree species in Amazonian Forest . . . . .	641
<b>J. W. Dalling, M. D. Swaine &amp; N. C. Garwood:</b> Soil seed bank community dynamics in seasonally moist lowland tropical forest, Panama . . . . .	659
<b>A. Patel:</b> Phenological patterns of <i>Ficus</i> in relation to other forest trees in southern India . . . . .	681
<b>M. Delaney, S. Brown, A. E. Lugo, A. Torres-Lezama &amp; N. Bello Quintero:</b> The distribution of organic carbon in major components of forests located in five life Zones of Venezuela . . . . .	697
<b>R. Cintra:</b> Leaf litter effects on seed and seedling predation of the palm <i>Astrocaryum murumura</i> and the legume tree <i>Dipteryx micrantha</i> in Amazonian forest . . . . .	709
<b>M. A. Pinard &amp; J. Huffman:</b> Fire resistance and bark properties of trees in a seasonally dry forest in eastern Bolivia . . . . .	727
<b>R. Wirth, W. Beyschlag, R. J. Ryel &amp; B. Hölldobler:</b> Annual foraging of the leaf-cutting ant <i>Atta colombica</i> in a semideciduous rain forest in Panama . . . . .	741

#### SHORT COMMUNICATIONS

<b>A. J. Davies &amp; S. L. Sutton:</b> A dung beetle that feeds on fig: implications for the measurement of species rarity . . . . .	759
<b>P.-M. Forget &amp; D. Sabatier:</b> Dynamics of the seedling shadow of a frugivore-dispersed tree species in French Guiana . . . . .	767

#### BOOK REVIEWS

<b>Kappelle, M.</b> <i>Los bosques de roble (Quercus) de la Cordillera de Talamanca, Costa Rica</i> (G. Williams-Linera) . . . . .	775
<b>Richards, P. W.</b> <i>The tropical rain forest: an ecological study</i> (2nd edition) (G. S. Hartshorn) . . . . .	775
<b>Sillitoe, P.</b> <i>A place against time: land and development in the Papua New Guinea Highlands</i> (T. Bayliss-Smith) . . . . .	776
<b>Swaine, M. D. (ed.)</b> <i>The ecology of tropical forest seedlings</i> (E. Tanner). . . . .	777
<b>LIST OF REVIEWERS 1995–1996</b> . . . . .	779