

Abstracted in: Current Contents (AB & ES), Ecological Abstracts, Current Advances in Ecological and Environmental Sciences, the INIST pascal Database, IBZ Database and Chemical Abstracts, Science Citation Index, Sci Search, SciVerse, Research Alert. Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®.

Preface

- Frugivores and seed dispersal (1985–2010); the ‘seeds’ dispersed, established and matured
P.-M. Forget, P. Jordano, J.E. Lambert, K. Böhning-Gaese, A. Traveset and S.J. Wright 517

Part I - Animal Strategies and Natural History Oriented Research

- A brief history of fruits and frugivores
T.H. Fleming and W. John Kress 521
- Frugivory and seed dispersal by hornbills (Bucerotidae) in tropical forests
S. Kitamura 531
- Megagardeners of the forest – the role of elephants in seed dispersal
A. Campos-Arceiz and S. Blake 542
- Cache placement, pilfering, and a recovery advantage in a seed-dispersing rodent: Could predation of scatter hoarders contribute to seedling establishment?
M.A. Steele, M. Bugdal, A. Yuan, A. Bartlow, J. Buzalewski, N. Lichti and R. Swihart 554
- Seed dispersal by fishes in tropical and temperate fresh waters: The growing evidence
M.H. Horn, S.B. Correa, P. Parolin, B.J.A. Pollux, J.T. Anderson, C. Lucas, P. Widmann, A. Tjiu, M. Galetti and M. Goulding 561

Part II - Plant Strategies, Life-History and Physiological Traits

- Differential seed handling by two African primates affects seed fate and establishment of large-seeded trees
N.D. Gross-Camp and B.A. Kaplin 578
- Dispersal syndrome differentiation of *Pinus armandii* in Southwest China: Key elements of a potential selection mosaic
F. Chen and J. Chen 587
- Importance of earthworm–seed interactions for the composition and structure of plant communities: A review
E. Forey, S. Barot, T. Decaëns, E. Langlois, K.-R. Laossi, P. Margerie, S. Scheu and N. Eisenhauer 594
- Why fruits go to the dark side
H.M. Schaefer 604
- When should fig fruit produce volatiles? Pattern in a ripening process
R.M. Borges, Y. Ranganathan, A. Krishnan, M. Ghara and G. Pramanik 611

Part III - Movement Ecology, Dispersal Kernels, and Genetic Effects

- Network models of frugivory and seed dispersal: Challenges and opportunities
T.A. Carlo and S. Yang 619

The effect of feeding time on dispersal of <i>Virola</i> seeds by toucans determined from GPS tracking and accelerometers	
<i>R. Kays, P.A. Jansen, E.M.H. Knecht, R. Vohwinkel and M. Wikelski</i>	625
Molecular insights into seed dispersal mutualisms driving plant population recruitment	
<i>C. García and D. Grivet</i>	632
Using population genetic analyses to understand seed dispersal patterns	
<i>J.L. Hamrick and D.W. Trapnell</i>	641
Part IV - Consequences of Anthropogenic Disturbance and Climate Change on Seed Dispersal Systems	
Biological invasions and the study of vertebrate dispersal of plants: Opportunities and integration	
<i>D.A. Westcott and C.S. Fletcher</i>	650
Persistence and spread in a new landscape: Dispersal ecology and genetics of <i>Miconia</i> invasions in Australia	
<i>B.D. Hardesty, S.S. Metcalfe and D.A. Westcott</i>	657
Plants on the move: The role of seed dispersal and initial population establishment for climate-driven range expansions	
<i>A. Hampe</i>	666
How to be a frugivore (in a changing world)	
<i>R.T. Corlett</i>	674