

Biology 2008–2009

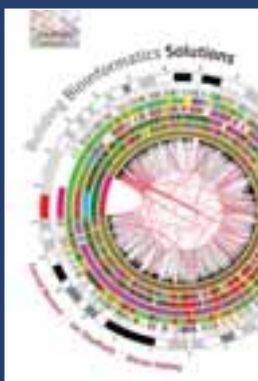
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Leading Academic Reference

NEW FOR 2009

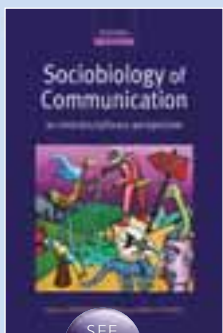
- S. Blair Hedges and Sudhir Kumar: *The Timetree of Life*
The first reference book to synthesise the wealth of information relating to the temporal component of phylogenetic trees
- Alec M. Pridgeon, Phillip Cribb, Mark W. Chase, and Finn N. Rasmussen: *Genera Orchidacearum Volume 5: Epidendroideae (Part II)*
Classification of orchids based on evolutionary history, determined by morphology and DNA data



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Leading Scholarship

NEW FOR 2008 AND 2009

- Patrizia d'Ettorre and David P. Hughes: *Sociobiology of Communication: An Interdisciplinary Perspective*
Adopts a novel, interdisciplinary approach, describing the latest research into the biochemical, neurobiological, physiological and molecular basis of the behaviours involved in social communication
- Thomas N. Sherratt and David M. Wilkinson: *Big Questions in Ecology and Evolution*
First accessible companion text covering the broad spectrum of ecology and evolutionary biology since Colinvaux's classic 1978 book

Books for Students in a Wide Range of Disciplines

Ecology

NEW FOR 2009

- Shahid Naeem, Daniel E. Bunker, Andrew Hector, Michael Loreau, and Charles Perrings: *Biodiversity and Human Impacts: Ecological and Social Implications*
Incorporates the latest developments in the field of biodiversity and ecosystem function, one of the most controversial and high profile areas of ecological research
- Joseph Gale: *Astrobiology of Planet Earth: the emergence, evolution and future of life on a small world*
This book introduces the extraordinary and fortuitous coincidence of numerous factors of our galaxy, Solar System and Planet Earth which enabled the appearance of, and continue to affect the evolution of life—an ongoing, dynamic and non equilibrium process



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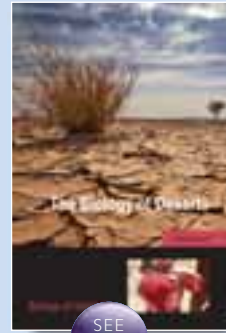


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Biology of Habitats Series

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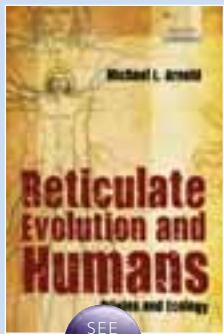
- David Ward: *The Biology of Deserts*
The first concise and affordable overview of desert ecology, examining human impacts and the sensitivity of deserts to perturbation
- David C. Culver and Tanja Pipan: *The Biology of Caves and Other Subterranean Habitats*
Covers a range of biological processes, including evolution and adaptation, ecosystem function, community ecology, biogeography, and conservation



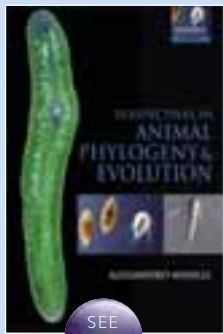
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Evolutionary Biology

NEW FOR 2008 AND 2009

- Michael L. Arnold: *Reticulate Evolution and Humans: Origins and Ecology*
The first book to describe the effect of genetic exchange on the origin of our own species and those species with which we have and continue to interact closely, both evolutionarily and culturally
- Alessandro Minelli: *Perspectives in Animal Phylogeny and Evolution*
Integrates morphological, fossil and molecular evidence to produce an up-to-date overview of the major phylogenetic hypotheses for the Metazoa

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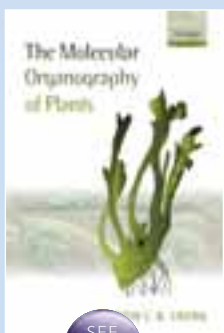
- The late John S. Gray, and Michael Elliott: *Ecology of Marine Sediments: From Science to Management*
Concise, readable introduction to benthic ecology. Explores the relationship between community structure and function
- Warwick F. Vincent and Johanna Laybourn-Parry: *Polar Lakes and Rivers: Limnology of Arctic and Antarctic Aquatic Ecosystems*
Provides a current overview of limnological diversity within the polar regions, identifying areas of future research



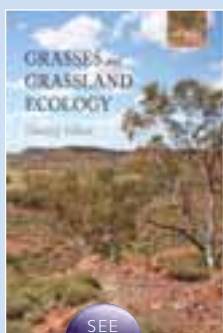
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Plant Science

NEW FOR 2008 AND 2009

- Quentin Cronk: *The Molecular Organography of Plants*
Provides an authoritative overview of plant construction at the organ level, incorporating details of the molecular mechanisms responsible
- David J. Gibson: *Grasses and Grassland Ecology*
The only ecologically-orientated introduction to grasslands available