



ZooKeys

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ZooKeys 34 ♦ 2010

CURRENT ADVANCES IN SCARABAEOIDEA RESEARCH
 Edited by Brett Ratcliffe & Frank-Thorsten Krell

The Scarabaeoidea is one of the largest superfamilies in the Coleoptera and includes approximately 2,200 genera and about 32,000 species worldwide. Scarabs have diversified into most habitats, and they are fungivores, herbivores, necrophages, coprophages, saprophages, and carnivores. Some scarabs exhibit various levels of parental care and sociality. Some are myrmecophilous or termitophilous. Many possess extravagant horns, others are able to roll into a compact ball, and still others are highly armored for inquiline life. Some are important agricultural pests that may destroy crops, while others are used in the biological control of dung and dung flies. Scarabaeoids are popular beetles due to their large size, bright colors, and interesting natural histories. Because of the popularity of the group, there exists an erroneous impression that the superfamily is taxonomically well known. However, even with a lengthy history of study, the group is in real need of continuing research. The papers in this volume cover a wide array of research topics on Scarabaeoidea, including evolutionary relationships, character trait evolution, species concepts, descriptions of new taxa, keys for identification, nomenclature, historical biogeography, methods, and basic life history information. These papers are a valuable contribution to our knowledge of scarabaeoids, and they will provide a foundation for future research.

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ZooKeys 34 ♦ 2010
 Special Issue

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Paper. Bulletin of Zoological Nomenclature 62: 210-220.

Accepted Papers: Same as above, but "In press" appears instead the page numbers.

Electronic Journal Articles: Mallet J, Willmott K (2002) Taxonomy: renaissance or Tower of Babel? Trends in Ecology and Evolution 18 (2): 57-59. doi: 10.1016/S0169-5347(02)00061-7.

Paper within conference proceedings: Orr AG (2006) Odonata in Bornean tropical rain forest formations: Diversity, endemism and applications for conservation management. In Cordero Rivera A (Ed) Forest and Dragonflies. Fourth WDA International Symposium of Odonatology, Pontevedra (Spain), July 2005. Pensoft Publishers, Sofia-Moscow, 51-78.

Book chapters: Mayr E (2000) The biological species concept. In: Wheeler QD, Meier R (Eds) Species Concepts and Phylogenetic Theory: A Debate. Columbia University Press, New York, 17-29.

Books: Goix N, Klimaszewski J (2007) Catalogue of Aleocharine Rove Beetles of Canada and Alaska. Pensoft Publishers, Sofia-Moscow, 166 pp.

Book with institutional author: International Commission on Zoological Nomenclature (1999) International code of zoological nomenclature. Fourth Edition. London: The International Trust for Zoological Nomenclature.

PhD thesis: Dalebout ML (2002) Species identity, genetic diversity and molecular systematic relationships among the Ziphiidae (beaked whales). PhD thesis, Auckland, New Zealand: University of Auckland.

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