

The preparation of this virtual issue of *Systematic Entomology* is timed to coincide with a symposium on the *Systematics and Diversity of Coleoptera* at the annual meeting of the Entomological Society of America in Reno, Nevada, 2008. Moderated and organised by Fran Keller, University of California, Davis, USA, this ever-topical theme emanates from the quite extraordinary diversity of the Coleoptera. The discovery and description of countless new taxa within the order continues apace, complemented by modern studies emphasising phylogeny, incorporating and integrating both immature stages and molecular data. The editors of *Systematic Entomology*, particularly Frank Krell, have encouraged the publication of broadly synthetic papers, as well as morphological analyses, in the journal. This virtual issue draws a selection of such papers together, and we encourage similar such research to be submitted for consideration for future issues of the journal.

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[Association of insect life stages using DNA sequences: the larvae of *Philodytes umbrinus* \(Motschulsky\) \(Coleoptera : Dytiscidae\)](#)

Kelly B. Miller, Yves Alarie, G. William Wolfe, Michael F. Whiting

DOI: 10.1111/j.1365-3113.2005.00320.x



[Phylogeny of Berosini \(Coleoptera: Hydrophilidae, Hydrophilinae\) based on larval and adult characters, and evolutionary scenarios related to habitat shift in larvae](#)

Miguel Archangelsky

DOI: 10.1111/j.1365-3113.2008.00425.x



[Higher-level phylogeny of Hydrophilinae \(Coleoptera: Hydrophilidae\) based on larval, pupal and adult characters](#)

Miguel Archangelsky

DOI: 10.1111/j.0307-6970.2004.00237.x



[Phylogenetic studies of Meloidae \(Coleoptera\), with emphasis on the evolution of phoresy](#)

Marco A. Bologna and John D. Pinto











DOI: 10.1046/j.1365-3113.2001.00132.x



[A highly modified stygobiont diving beetle of the genus *Copelatus* \(Coleoptera, Dytiscidae\): taxonomy and cladistic analysis based on mitochondrial DNA sequences](#)

Michael Balke, Chris H. S. Watts, Steven J. B. Cooper, William F. Humphreys, Alfred P. Vogler

DOI: 10.1111/j.1365-3113.2004.00229.x

-  [Larval morphology and phylogenetic position of *Micromalthus debilis* LeConte \(Coleoptera : Micromalthidae\)](#)
R. G. Beutel, T. Hörnschemeyer
DOI: 10.1046/j.1365-3113.2002.00172.x
-  [Systematics and biogeography of the genus *Actenodia* \(Coleoptera : Meloidae : Mylabrini\)](#)
Marco A. Bologna, Andrea Di Giulio, Monica Pitzalis
DOI: 10.1111/j.1365-3113.2007.00402.x
-  [A molecular phylogenetic analysis of the pleasing fungus beetles \(Coleoptera : Erotylidae\): evolution of colour patterns, gregariousness and mycophagy](#)
James A. Robertson, Joseph V. McHugh, Michael F. Whiting
DOI: 10.1111/j.0307-6970.2004.00242.x
-  [A new aquatic beetle family, Meruidae, from Venezuela \(Coleoptera : Adephaga\)](#)
Paul J. Spangler, Warren E. Steiner JR
DOI: 10.1111/j.1365-3113.2005.00288.x
-  [DNA identification and morphological description of the first confirmed larvae of Hetaeriinae \(Coleoptera : Histeridae\)](#)
Michael S. Caterino, Alexey K. Tishechkin
DOI: 10.1111/j.1365-3113.2006.00338.x
-  [Phylogenetic placement of Arrowinini trib.n. within the subfamily Staphylininae \(Coleoptera : Staphylinidae\), with revision of the relict South African genus *Arrowinus* and description of its larva](#)
Alexey YU. Solodovnikov, Alfred F. Newton
DOI: 10.1111/j.1365-3113.2004.00283.x
-  [Towards a phylogenetic system of derelomine flower weevils \(Coleoptera : Curculionidae\)](#)
Nico M. Franz
DOI: 10.1111/j.1365-3113.2005.00308.x
-  [Evolution, mitochondrial DNA phylogeny and systematic position of the Macaronesian endemic *Hydrotarsus Falkenstrom* \(Coleoptera : Dytiscidae\)](#)
Ignacio Ribera, David T. Bilton, Michael Balke, Lars Hendrich
DOI: 10.1046/j.1365-3113.2003.00226.x
-  [Larval morphology enhances phylogenetic reconstruction in Cetoniidae \(Coleoptera : Scarabaeoidea\) and allows the interpretation of the evolution of larval feeding habits](#)
Estefania Micó, Miguel Ángel Morón, Petr Sipek, Eduardo Galante
DOI: 10.1111/j.1365-3113.2007.00399.x
-  [Phylogenetic analysis of Trechitae \(Coleoptera : Carabidae\) based on larval morphology, with a description of first-instar *Phrypeus* and a key to genera](#)

Vasily V. Grebennikov, David R. Maddison

DOI: 10.1111/j.1365-3113.2004.00259.x



[Evolution of the Scarabaeini \(Scarabaeidae : Scarabaeinae\)](#)

Shaun A. Forgie, T. Keith Philips, Clarke H. Scholtz

DOI: 10.1111/j.1365-3113.2004.00273.x

Aims and Scope of *Systematic Entomology*

Systematic Entomology encourages the submission of taxonomic papers that contain information of interest to a wider audience, e.g. papers bearing on the theoretical, genetic, agricultural, medical and biodiversity issues. Emphasis is also placed on the selection of comprehensive, revisionary or integrated systematics studies of broader biological or zoogeographical relevance.

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