



DiBio  
DIPARTIMENTO DI BIOLOGIA



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA

## DIPARTIMENTO DI BIOLOGIA

Dott. **Lucio Bonato**

Via Ugo Bassi 58/b, 35131 Padova  
tel +39 049 8277487  
E-mail: [lucio.bonato@unipd.it](mailto:lucio.bonato@unipd.it)  
web: <http://www.biologia.unipd.it/lucio.bonato>

## Lucio Bonato

### SELECTED PUBLICATIONS

#### (a) Diversity and evolution of Chilopoda: morphology, molecular phylogeny, biodiversity

Main articles published in ISI journals:

Bonato L., Bortolin F., Drago L., Orlando M., Danyi L. (2017) - Evolution of Strigamia centipedes (Chilopoda): a first molecular assessment of phylogeny and divergence times - **Zoologica Scripta**, 46: 486-495.

Bonato L., Orlando M., Zapparoli M., Fusco G., Bortolin F. (2017) - New insights into Plutonium, one of the largest and least known European centipedes (Chilopoda): distribution, evolution and morphology - **Zoological Journal of the Linnean Society**, 180: 887-909.

Bonato L., Zapparoli M., Drago L., Minelli A. (2016) - An unusually elongate endogeic centipede from Sardinia (Chilopoda: Geophilidae) - **European Journal of Taxonomy**, 231: 1-19.

Bonato L., Minelli A., Drago L., Pereira L.A. (2015) - The phylogenetic position of Dinogeophilus and a new evolutionary framework for the smallest epimorphic centipedes (Chilopoda: Epimorpha) - **Contributions to Zoology**, 84: 237-253.

Del Latte L., Bortolin F., Rota-Stabelli O., Fusco G., Bonato L. (2015) - Molecular-based estimate of species number, phylogenetic relationships and divergence times for the genus Stenotaenia (Chilopoda, Geophilomorpha) in the Italian region - **Zookeys**, 510: 31-47.

Bonato L., Minelli A., Lopresti M., Cerretti P. (2014) - ChiloKey, an interactive identification tool for the geophilomorph centipedes of Europe (Chilopoda, Geophilomorpha) - **Zookeys**, 443: 1-9.

Bonato L., Drago L., Muriene J. (2014) - Phylogeny of Geophilomorpha (Chilopoda) inferred from new morphological and molecular evidence - **Cladistics**, 30: 485-507.

Bonato L., Edgecombe G.D., Minelli A. (2014) - Geophilomorph centipedes from the Cretaceous amber of Burma - **Palaeontology**, 57: 97-110.

Bonato L., Minelli A. (2014) - Chilopoda Geophilomorpha of Europe: a revised list of species, with taxonomic and nomenclatorial notes - **Zootaxa**, 3770: 1-136.

Bonato L., Drago L., Minelli A. (2011) - Pincer-like claws in centipedes (Chilopoda): multiple evolutionary origin of similar form and serial pattern - **Zoomorphology**, 130: 17-29.

Bonato L., Danyi L., Minelli A. (2010) - Morphology and phylogeny of Dicellogophilus, a centipede genus with highly disjunct distribution (Chilopoda, Mecistocephalidae) - **Zoological Journal of the Linnean Society**, 158: 501-532.

Bonato L., Edgecombe G.D., Lewis J.G.E., Minelli A., Pereira L.A., Shelley R.M., Zapparoli M. (2010) - A common terminology for the external anatomy of centipedes (Chilopoda) - **Zookeys**, 69: 17-51.

Bonato L., Minelli A. (2009) - Diversity in the maxillipede dentition of Mecistocephalus centipedes (Chilopoda, Mecistocephalidae), with the description of a new species with unusually elongate denticles - **Contributions to Zoology**, 78: 85-97.

Bonato L., Minelli A. (2008) - *Stenotaenia* Koch, 1847: a hitherto unrecognized lineage of western Palearctic centipedes with unusual diversity in body size and segment number (Chilopoda: Geophilidae) - **Zoological Journal of the Linnean Society**, 153: 253 - 286.

Bonato L., Zapparoli M., Minelli A. (2008) - Morphology, taxonomy and distribution of *Diphyonyx* n. gen., a lineage of geophilid centipedes with unusually shaped claws (Chilopoda: Geophilidae) - **European Journal of Entomology**, 105: 343–354.

Bonato L., Barber A., Minelli A. (2006) - The European centipedes hitherto referred to *Eurygeophilus*, *Mesogeophilus* and *Chalanda* (Chilopoda, Geophilomorpha): taxonomy, distribution and geographic variation of the segment number - **Journal of Natural History**, 40: 415-438.

Bonato L., Foddai D. & Minelli A. (2003) - Evolutionary trends and patterns in centipede segment number based on a cladistic analysis of *Mecistocephalidae* (Chilopoda: Geophilomorpha) - **Systematic Entomology**, 28: 539-279.

Bonato L. & Minelli A. (2002) - Parental care in *Dicelophylus carniolensis* (C. L. Koch, 1847): new behavioural evidence with implications for the higher phylogeny of centipedes (Chilopoda) - **Zoologischer Anzeiger**, 241: 193-198.

Main contributions published in volumes

Bonato L. (2011) – Chilopoda. Taxonomic overview. Order Geophilomorpha – In: Minelli A., ed. - Treatise on Zoology. Anatomy, Taxonomy, Biology. The Myriapoda, Volume 1. Brill: 407-443.

## (b) Ecology and geographical differentiation of Amphibia, with focus on Northern Italy

Main articles published in ISI journals:

Tamschick S., Rozenblut-Koscisty B., Bonato L., Dufresnes C., Lymberakis P., Kloas W., Ogielska M., Stoeck M. (2015) - Sex chromosome conservation, DMRT1 phylogeny and gonad morphology in diploid Palearctic green toads (*Bufo viridis* subgroup) - **Cytogenetic and Genome Research**, 144 (2014): 315-324.

Dufresnes C. , Bonato L. , Novarini N. , Betto-Colliard C. , Perrin N. , Stoeck M. (2014) - Inferring the degree of incipient speciation in secondary contact zones of closely related lineages of Palearctic green toads (*Bufo viridis* subgroup) - **Heredity**, 113: 9-22.

Romanazzi E., Bonato L. (2014) - Updating the range of the narrowly distributed endemites *Salamandra atra aurorae* and *S. atra pasubiensis* - **Amphibia-Reptilia**, 35: 123-128.

Bonato L. & Steinfartz S. (2005) - The evolution of the melanistic colour in the Alpine Salamander *Salamandra atra* as revealed by a new subspecies from the Venetian Prealps - **Italian Journal of Zoology**, 72 (3): 253-260.

Bonato L. & Fracasso G. (2003) - Movements, distribution pattern and density in a population of *Salamandra atra aurorae* (Caudata: Salamandridae) - **Amphibia-Reptilia**, Brill, Leiden, 24 (3): 251-264.

Bonato L. & Grossenbacher K. (2000) - On the distribution and chromatic differentiation of the Alpine Salamander *Salamandra atra* Laurenti, 1768, between Val Lagarina and Val Sugana (Venetian Prealps): an updated review - **Herpetozoa**, Wien, 13 (3-4): 171-180.

Main contributions published in volumes

Bonato L., Fracasso G., Pollo R., Richard J., Semenzato M., eds (2007) - **Atlante degli Anfibi e dei Rettili del Veneto** - Associazione Faunisti Veneti, Nuovadimensione.

Bonato L., Fracasso G., Luiselli L. (2007) - *Salamandra atra* Laurenti, 1768 - In: Lanza B., Andreone F., Bologna M.A., Corti C., Razzetti E., eds - **Fauna d'Italia**: 42, Amphibia, Calderini: 197-211.

Bonato L. & Fracasso G. (2006) - *Salamandra alpina*, Alpine salamander - In: Sindaco R., Doria G., Razzetti E. & Bernini F. (eds) - **Atlante degli Anfibi e dei Rettili d'Italia** - Edizioni Polistampa, Firenze, 190-195.