

## Abstract



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## At last: A catalogue of free-living and arthropod-associated Laelapidae, with generic concepts and a key to genera\*

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\*In: Zhang, Z.-Q., Fan, Q.-H., Heath, A.C.G. & Minor, M.A. (Eds) (2022) Acarological Frontiers: Proceedings of the XVI International Congress of Acarology (1–5 Dec. 2022, Auckland, New Zealand). Magnolia Press, Auckland, 328 pp.

We present a summary of a long-awaited catalogue of species of Laelapidae that are free-living predators or associated with arthropods (Moraes et al., 2022). This primarily includes taxa previously treated as Hypoaspidinae, Melittiphinae and Iphiopsidinae. It lists 1088 valid species, along with their type locality, type habitat or host, and taxonomic notes; another 121 species considered of uncertain generic identity; and over 1200 references. It also includes an illustrated key to the 73 genera treated in the catalogue along with revised generic diagnoses. The staggering diversity in morphology and ecology exhibited by the group is discussed, as well as examples to show how generic diagnoses and the key were built.

Keywords. Catalogue, generic diagnoses, dichotomic key, predators, arthropod symbionts, Laelapidae

## Reference

Moraes, G.J.De, Moreira, G.F., Freire, R.A.P., Beaulieu, F., Klompen, H. & Halliday, B. (2022) Catalogue of the free-living and arthropod-associated Laelapidae Canestrini (Acari: Mesostigmata), with revised generic concepts and a key to genera. Zootaxa, 5184 (1), 1-590.

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