Study of the physiological parameters related with the cave environment in some species of *Goniosoma* (Opiliones, Gonyleptidae)

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A comparison of some physiological parameters, like metabolic rate, have been studied in 11 species of Gonyleptidae harvestmen. The nine studied species of the genus *Goniosoma* have different degrees of affinity with the cave environment. In the present work, the following categories were used: epigean species - *G.* aff. *vatrax* and *G. discolor;* intermediary species - *G. albinscriptum*, *G. badium*, *G. proximum*, *G.* aff. *varium* and *G. longipes*; hypogeam species - *G. molle* and *G. spelaeum*. The other two species represent outgroups for comparison: *Iporangaia pustulosa* (Progonyleptoidellinae) and *Neosadocus variabilis* (Gonyleptinae). The results will provide data to understand why the genus *Goniosoma* is well represented in the cave environment, and possible modifications developed after colonization.

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