
Rodent Behaviour – Session 2

Habitat characteristics and species interference influence space use and nest-site occupancy: implications for social variation in two rodent sister species

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Nest-site selection is an important component of species socio-ecology, being a crucial factor in establishment of group living. Consequently, nest-site characteristics together with space-use proxies may reveal species social characteristics, a fact particularly interesting when direct observation of social interactions is hindered in nature. We used this approach to assess social variation between two sister species of a southern African rodent (*Rhabdomys bechuanae* and *Rhabdomys dilectus dilectus*) comparing patterns in allopatry and sympatry. Our results indicate that habitat preference and its impact on space-use and nest-site characteristics could act as an important driver of social divergence in our study models, and that interference between sister species could induce new ecological pressures that may influence their social evolution.

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6th International Conference of Rodent
Biology and Management
and
16th Rodens et Spatium

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Book of Abstracts



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