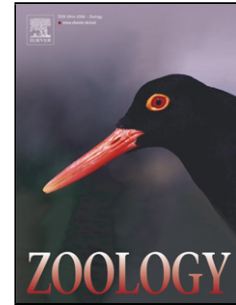


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**Distinct edge effects and reproductive periods of sympatric litter-dwelling scorpions
(Arachnida: Scorpiones) in a Brazilian Atlantic forest**

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Highlights

- Microhabitat exploitation by scorpions influences their persistence in forest edges.
- Spatio-temporal variations in prey abundance have no effect on litter-dwelling scorpions in the Atlantic rainforest.
- Sympatric litter-dwelling scorpions have non-overlapping reproductive periods.

ABSTRACT

Edge effects have drastically affected species living in tropical forests. However, understanding how species respond to edge effects remains a challenge, owing to the many factors involved and different responses of each species thereto. Here, we analyzed how the abundance of two sympatric scorpion species (*Tityus pusillus* and *Ananteris mauryi*) and their potential prey varied as a function of microhabitat changes (litter depth,

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