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Spatial and temporal separation between the golden jackal and three sympatric carnivores in a human-modified landscape in central Bulgaria

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Pages 172-179 | Received 27 Mar 2018, Accepted 23 Jul 2018, Published online: 05 Sep 2018

Cite this article <https://doi.org/10.1080/21658005.2018.1504406>

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carnivore species were associated with a variation in resource use patterns (e.g., food or microhabitats). Our findings indicate that spatial/temporal separation allows smaller species to avoid direct confrontations and agonistic competitions with jackals, resulting in successful co-occurrence.

KEYWORDS: [Canis aureus](#) [competition](#) [ecological niche](#) [intra-guild interaction](#) [spatial niche](#) [temporal niche](#)

Acknowledgments

The authors would like to thank two anonymous reviewers for their fruitful comments on the draft and Enago (www.enago.jp) for the English language review.

Disclosure statement

No potential conflict of interest was reported by the authors.

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