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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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ABSTRACT

The range of the golden jackal (Canis aureus) in Europe has expanded from southern regions northward and westward, raising concerns of increased competitive interactions with other carnivores. In Europe, the jackal is most common in Bulgaria, where it co-

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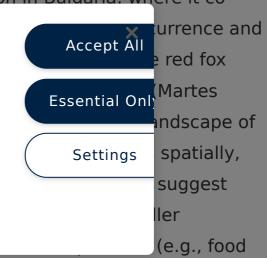
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or microhabitats). Our findings indicate that spatial/temporal separation allows smaller species to avoid direct confrontations and agonistic competitions with jackals, resulting in successful co-occurrence.

Q KEYWORDS: Canis aureus competition ecological niche intra-guild interaction spatial niche temporal niche

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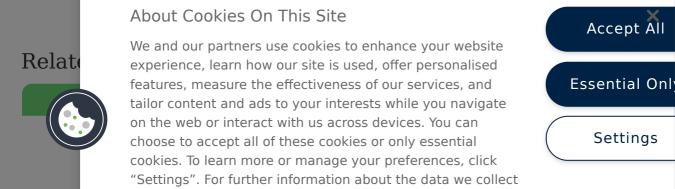
Disclosure statement

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