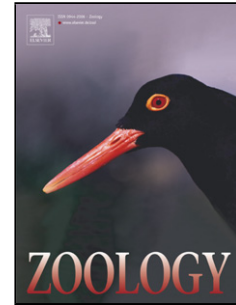


Accepted Manuscript

Title: Fitness effects of interspecific competition between two species of desert rodents

Authors: Noa Katz, Tamar Dayan, Noga Kronfeld-Schor

PII: S0944-2006(17)30156-3
DOI: <https://doi.org/10.1016/j.zool.2018.03.002>
Reference: ZOOL 25636



To appear in:

Received date: 24-6-2017
Revised date: 26-1-2018
Accepted date: 6-3-2018

Please cite this article as: { <https://doi.org/>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Competition effect on *Acomys* fitness

Fitness effects of interspecific competition between two species of desert rodents

Noa Katz^{1*} Tamar Dayan^{1,2} and Noga Kronfeld-Schor¹

1 School of Zoology, Tel Aviv University, Tel Aviv 69978, Israel

2 The Steinhardt Museum of Natural History, Israel National Center for Biodiversity Studies, Tel Aviv University, Tel Aviv 69978, Israel

Corresponding author

Email: noakatz1@mail.tau.ac.il

Highlights

- We examined the interspecific competition between two desert rodents.
- Competition impaired the subordinate species' fitness through reproductive suppression.
- Signs of reduced fitness appeared more clearly in males and young relative to females of the subordinate species.
- Reproductive suppression occurred as a result of direct and/or indirect pathways.
- One plausible indirect pathway is increased use of torpor, induced by the presence of the competing species.

Download English Version:

<https://daneshyari.com/en/article/8626973>

Download Persian Version:

<https://daneshyari.com/article/8626973>

[Daneshyari.com](https://daneshyari.com)