



## Shomen Mukherjee

Life Sciences (Ecology and Evolution)

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India

I am behavioural ecologist. I did my bachelors and masters degree in India, and my PhD in Israel. I am primarily interested in understanding how natural selection shapes community organization, behavioural decisions and personality in organisms. Hence my research is largely interdisciplinary, using theories from fields such as ecology, evolutionary biology, economics and psychology. Lately I have also been interested in addressing more applied questions such as: how does urbanization affect population dynamics and behaviour or wildlife living in and around cities.

## CURRENT RESEARCH

### Topic

- Biodiversity
- Urban ecology

### Methodology

- Analysing large datasets of species abundance and distribution

### Application

- Biodiversity conservation

## UKZN main Publications

- In prep

## Past Researches

### Predator-Prey interactions

- Mukherjee, S. and M. Heithaus. (2013) *Dangerous prey and daring predators: a review*. Biological Reviews 88:550-563. (IF: 10.256)
- Berger-Tal, O., Mukherjee, S., Kotler, B. P. and J. S. Brown (2010). *Complex state-dependent game between owls and gerbils*. Ecology Letters 13:302-310. (IF: 17.949)
- Kotler, B. P., Brown J. S., Mukherjee, S., Tal-Berger, O. and A. Bouskila (2010). Moonlight Avoidance in Gerbils Reveals a Sophisticated Interplay among Time Allocation, Vigilance, and State-Dependent Foraging. *Proceeding of the Royal Society, B*, London 277:1469-1474 (IF: 5.683)

### Wildlife Conservation and Management

- Jhala, Y.V., Mukherjee, S., Shah, N., Chauhan, K., Dave, C. V., Meena, V. and K. Banerjee (2009). *Home ranges and habitat preference of female lions (Panthera leo persica) in Gir forest, Gujarat, India*. Biodiversity and Conservation 18:3383-3394. (IF: 2.264)
- Morris, D. W. and S. Mukherjee. (2007) *Can we measure carrying capacity with foraging behaviour?* Ecology 88:597-604. (IF: 5.175)

## Future Interests

Collaborate with Neuroscientists and Physicists to address more complex questions in my field of research.

## Extra Interests

Photography, Pencil sketches, Reading (Biographies, Autobiographies and Humour)