

06.04.2021

1ST ANNOUNCEMENT

The 21st Sede Boqer Symposium in memory of Merav Ziv
Online symposium – 10 June 2021

Phenotypic responses to sensory pollution

Human activities such as urbanization and intensive agriculture have led to rapid changes in organisms, including adaptive behavioral responses, hybridization and even speciation. These responses to human-induced rapid environmental changes (HIREC) vary in relation to ecological context, sex, life history and phenology of the organisms. One important aspect of HIREC is pollution. While the effects of chemical pollution in the soil, air and water have been studied for decades, recently other sources of pollution, such as light, noise and odor pollution have been documented to have dramatic effects on communication and behavioral patterns in a wide range of taxa. Due to existing genetic variation or phenotypic plasticity within a population some individuals may cope better with such human-imposed environmental changes than others. Thus, anthropogenic disturbances may favor certain traits within a population and the establishment of modified or new behavioral patterns.

In this online symposium we aim to shed light on the responses of various organisms to light, noise and odor pollution and discuss their effects on individual fitness and population genetic architecture.

Guest Speakers:

Prof. John Swaddle, College of William & Mary, Williamsburg, VA, USA

Prof. Noga Kronfeld-Schor, Tel-Aviv University & Israel Ministry of Environmental Protection

We welcome talks presented by faculty members, researchers and graduate students from all academic institutions and research organizations and all branches of biological science.

Please send a title and short abstract in English (maximum one page, 12 pt. font, 1.5 spacing) to Oded Berger-Tal: bergerod@bgu.ac.il. **Deadline for abstracts: 10 May, 2021**

For further information, please contact the organizing committee: Oded Berger-Tal bergerod@bgu.ac.il, Ally Harari aharari@agri.gov.il, & Yael Lubin lubin@bgu.ac.il

Merav Ziv Symposia website:

<http://in.bgu.ac.il/en/bidr/SIDEER/MDDE/MZ/Pages/default.aspx>