



Ben-Gurion University of the Negev
Jacob Blaustein Institutes for Desert Research
The Swiss Institute for Dryland Environmental and Energy Research
Mitrani Department of Desert Ecology

Seminar

Tamar Dayan

*Department of Zoology,
Tel-Aviv University*



Tuesday, April 18, 2017, 12:00

Seminar Room, Old Administration Building

Participants are invited to meet the seminar speaker at the MDDE meeting room immediately after the seminar (~ 13:00). Please bring your lunch; snacks will be provided.

**Land-use, temporal patterns, and conservation
in terrestrial landscapes of Israel**

Habitat transformation and degradation is the primary threat for biodiversity worldwide, and a major challenge for Israel, a small and densely populated country with an extremely rapid rate of population growth, a relatively high standard of living and a strong development and agriculture ethos. In the Mediterranean zone of Israel, only *ca.* 5% of the area is protected as a nature reserve or national park, far below international goals. Therefore the challenge is to maximize use of other areas for conservation. In the past decade my laboratory has been involved in studying the effects of different land uses on patterns of biodiversity and developing tools for assessing such impacts, for conservation planning and restoration. This research focuses on the effects of pine and eucalypt plantations, the effects of agriculture and of development, and the effects of land degradation in response to artificial illumination and noise.