Workshop of the Tel-Aviv University (School of Geosciences), and the Ministry of Science, Technology and Space

SPATIAL AND TEMPORAL MONITORING OF PASTURE ECOLOGICAL QUALITY: A MULTIDISCIPLINARY APPROACH

PROGRAM

Location: Porter Building Tel-Aviv University, December 20, 2018

08:30 - 09:00 Registration and refreshments

09:00 - 09:15 Workshop goal: Dr. A. Chudnovsky, Tel-Aviv University

09:15 - 09:50 Marcelo Sternberg, Kineret Shwartz-Manevich and Zalmen Henkin "Effects of stocking density on soil properties and forage quality: Evidences from a long-term study in a Mediterranean grassland".


10:20 - 10:50 Efrat Sheffer: "Nutrient limitation in herbaceous pastures across the rainfall gradient in Israel"

10:50 – 11:20: Jaime Kigel, Arie Vinograd and Eli Zaady: "Is traditional grazing based on seasonal corrals leading to loss of soil fertility and vegetation productivity?"

11:30-12:30 lunch Break

12:30-13:00 S.Y. Landau: Fecal NIRS evaluation of diet quality and animal density at pasture

13:00- 13:30 Maxim Shoshany, Jisung Chang, Naftali Goldshlager, Rachel Lugassi, Zaady Eli and Alexandra Chudnovsky: Hyper-spectral mapping of soil and vegetation conditions along semi-arid to arid climatic gradient.

13:30- 14:00 Jisung Chang, Maxim Shoshany, and Yisok Oh: Polarimetric Radar Vegetation Index for Biomass Estimation in Desert Fringe Ecosystems

14:00 – 14:30 Naftali Goldshlager and Eli Zaady: Frequency Domain Electromagnetic Method as remote sensing tool to study the contaminated subsoil of nighttime livestock enclosures in dry regions.

14:30- 15:00 coffee Break

15:00 – 16:00 Multidisciplinary approach in ecological quality: current challenges: Open table discussion. Mediator: Maxim Shoshani.
Refreshments and light lunch will be served. Please reserve your participation at: achudnov@tauex.tau.ac.il. Workshop language is Hebrew