

●●● Porter School of
the Environment and
Earth Sciences



●●● בית הספר לסביבה
ולמדעי כדור הארץ
על שם פורטר

The Raymond and Beverly Sackler
Faculty of Exact Sciences
Tel Aviv University

הפקולטה למדעים מדויקים
ע"ש ריימונד וברלי סאקלר
אוניברסיטת תל אביב



The Remote Sensing laboratory, Geography department, Porter School of Environment and School of Earth Science, The faculty of exact science is seeking for MSc, PhD and Post.Doc positions

The research areas

- 1) Developing a multi a monitoring approach (spectral and temporal) to detect the status of plant nutrition toward improving the precision farming arena
- 2) Exploiting the hyperspectral technology in the long wave domain for various applications
- 3) Big data analysis and deep learning approach using hyperspectral data from ground, airborne and satellite domains
- 4) Developing sensors for vicarious calibration of satellite data
- 5) Developing field sensors to monitor soil status in near real time

The laboratory is furnished with *stat-of-the-art* sensors and developed over the years many applications using the hyperspectral remote sensing technology (in medicine, veterinary, civil engineering, agriculture, water, geology and atmosphere sciences) including 4 patents. The laboratory has a strong relationship and a fruitful collaboration with ISA, ESA and NASA.

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