DR. Shimrit Maman

**LECTURER, RESEARCH Associate and director FOR the earth and planetary Image facility**

Dr. Maman is currently a research associate at the Homeland Security Institute and director of the Earth and planetary image facility, a remote sensing research laboratory at Ben-Gurion University of the Negev. Maman is a remote sensing and aeolian geomorphology specialist. Her research deals with remote sensing and GIS technologies, climate change and mapping.

Between the years 2004-2006 she pursued her MSc in the department of Solar Energy and the Environmental Physics, in the Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev, Sede- Boker campus. Thesis title: Monitoring indigenous water harvesting systems on takyrs in Turkmenistan by remote sensing. In 2007 she received the Negev-Zin Scholarship, from Kreitman School for Advanced Graduate Studies in Ben-Gurion University of the Negev. Her PhD research was entitled: "Mobility and stability of the Central Asian sand seas (Karakum and Kyzylkum), a study by remote sensing and geographic information systems".

Shimrit also served as BGU's green campus sustainability coordinator for three years and is currently a member of the Education and Community Committee of the BGU's Green Campus Council.

Maman is also a part of the research team leading BGUSAT, Israeli academia’s first nanosatellite, which was successfully launched into space on February 15, 2017. The satellite size is only 10x10x30 centimeters and weighs nearly five kilograms. It SWIR camera can detect climate phenomena and a guidance system that lets the operators choose the areas to shoot and research through a dedicated ground station at EPIF.