

## Research & Services | Agriculture Interdepartmental Equipment Unit (Yissum)

**code:** 34-2007-1752

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### Categories

Organic and inorganic analysis, spectroscopy, chromatography, mass- spectrometry, elemental-analysis, electron and confocal microscopy, gel imaging, radioactivity-tracing, sample preparation

### Objective/function

- Established in 1968, the Interdepartmental Equipment Unit serves as the Core facility of the Faculty of Agriculture. The State-of-the-art equipment and technology is available for use by faculty investigators and students, with the assistance of the unit's skilled staff. Full service is also offered to users from other academic institutions and the high-tech industry

### Research provided

- Help with use of instruments, experiment planning and setup, data analysis and interpretation of experimental results
- Sample preparation, identification and quantification of organic and inorganic analytes, data processing and preparation of reports

### Available equipment

#### Analytical Laboratory

- ICP- Optical Emission Spectrometers and ICP- Mass Spectrometer
- Atomic-absorption spectrometer
- Microwave digestion systems for sample preparation
- Elemental-analyzer and Total Organic Carbon Analyzer
- Liquid Chromatographs /Mass Spectrometers and Gas chromatographs / mass spectrometers
- High performance liquid chromatographs and gas chromatographs, equipped with various detectors
- Spectrophotometers and fluorometers and in the infrared, UV and visible regions
- "Real-Time" PCR
- Ultracentrifuge and small equipment for sample preparation

#### Microscopy Section

- Laser-scanning confocal microscope
- Microtomes and other equipment for sample preparation

#### Imaging Section

- Gel documentation systems
- Fluorescence and radioactivity imager
- Leaf-area meter

## Radioactive Tracer Section

- Beta Counter
- Gamma Counter
- Sample Oxidizer

## Imaging Section

- Gel documentation systems
- Fluorescence and radioactivity imager
- Leaf-area meter
- Scanners and cameras

## Staff

- Naomi Bahat MSc
- Julius Ben Ari, PhD
- Marina Cherniak MSc
- Svetlana Kurasov, PhD
- Israel Meir
- Tzily Sadowsky
- Mordechai Schonfeld, PhD
- Shoshana Shalom
- Ofer Tevel

## Contact for more information:

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