

## Research & Services | Prof. Yona Chen (Yisum)

**code:** 8-2008-2071

[Yona Chen](#), HUJI, Faculty of Agricultural, Food and Environmental Quality Sciences, Soil and Water Sciences

<b>Categories</b>	Soil Chemistry
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### Objective/function

- The laboratory is active in the field of: Effects of dissolved organic matter (including humic substances) on reaction and transport of heavy metals and other pollutants in the environment; effects of organic matter on soil sustainability; natural organic matter and bacteria as biofertilizers; recycling (composting) of agricultural wastes and their application in agriculture; suppressiveness of composts to soil borne diseases - alternative to fungicides and bacteriocides; and positive and adverse effects of irrigation with reclaimed wastewaters on soil properties and health.

### Research provided

- Soil analyses using the following instruments: UV-VIS, DRIFT-FTIR and fluorescence spectrophotometers inductively coupled with mass-spectrometer plasma atomic emission spectrophotometer (ICP-AES and ICPMS); CHNSO analyzer; DOC analyzer, anion analyzer; GC/MS, HPLC and LC/MS

### Advantages

- The laboratory is staffed with highly knowledgeable, skilled researchers using state-of-the-art technologies and equipment

### Client record

- Netafim, Atlantium, Bar Idan, Ministry of Defence

### Available equipment

- Listed above under "Research provided".


### Staff

- Yona Chen, PhD, Chief Researcher
- Tsila Aviad, M.Sc.

### Contact

- Yona Chen, PhD
- Link to homepage <http://departments.agri.huji.ac.il/soils/chen/>

**Contact for more information:**

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