

## Research & Services | Geochemical Laboratories (Yissum)

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<b>Categories</b>	Geochemistry, marine geochemistry, environmental geochemistry, isotope geochemistry
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### Function

- The laboratory actively engages in research relating to
- Geochemistry
- Marine geochemistry
- Environmental geochemistry
- Low temperature geochemistry
- Metamorphic petrology
- Fluid-rock interactions
- Biogeochemistry of oceanic trace metals
- Geochemistry of natural solutions
- Radioactivity of groundwater

### Advantages

- The geochemical laboratories employ highly knowledgeable, skilled researchers employing state-of-the-art technologies and equipment.

### Available equipment

- Inductively Coupled Plasma Spectrometer (ICP-OES; Perkin Elmer Optima 3000)
- Atomic Absorption (AA ; Perkin-Elmer PC-5100 ZL) with two modules
- Graphite Zeeman-effect corrected furnace (HGA) for analyses of low concentrations of trace metals
- Flame AA for quick analysis of cations at higher concentrations
- Luminescence Spectrometer (Perkin Elmer LS30)
- UV/vis Spectrophotometer (Camspec single beam M330)
- Flow Injection Analyzers (FIA) for analyzing nutrients and iron
- Ion Chromatograph

### Available equipment at the Geological Survey of Israel (for us to use)

- Inductively Coupled Plasma Mass Spectrometer (ICP-MS; Perkin Elmer SCIEX, CDR II)
- Multi Collector Inductively Coupled Plasma Mass Spectrometer (MC-ICP-MS; Nu Instruments)

### Staff

- Yigal Erel, PhD
- Boaz Lazar, PhD

- Amitai Katz, PhD
- Alan Mathews, PhD
- Yeala Shaked, PhD
- Abraham Starinsky, PhD

## Contact

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