

Research & Services | Stable Isotope Research Laboratories (Yissum)

code: 34-2007-1761

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Categories

Isotopes, stable isotopes, spectrometry, biogeochemistry

Objective/function

- The stable isotope research laboratory at the Institute of Earth Sciences is a modern laboratory with the capabilities of rapid high precision isotope ratio analyses of oxygen, nitrogen and carbon dioxide from a wide array of biological and geological sample media

Research provided

- Nitrogen and carbon isotopes as well as C:N ratio in organic matter
- Oxygen and carbon isotopes in carbonates
- Oxygen and carbon isotopes in dissolved inorganic carbon
- Oxygen and carbon isotopes in CO₂ gas
- Three oxygen isotopes in water and O₂ gas
- Calibration of laboratory oxygen standards

Advantages

- Research carried out in the laboratory includes development of cutting edge technologies and their application in a wide scope of geochemical projects.

Available equipment

- ThermoQuest Delta Plus and Delta Plus XL isotope ratio mass spectrometers
- Balzers QMG 421 quadrupole mass spectrometer
- Variety of peripheral equipment for both continuous flow and double inlet mass spectrometric studies

Link to homepage

- <http://earth.huji.ac.il/facilities-in.asp?id=21>

Contact for more information:

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