

The Laboratory of Biological Anthropology at the Democritus University of Thrace becomes the first University Center in Greece with specialized equipment (EA-IRMS) for stable isotope analysis and the study of ancient diet

The Laboratory of Biological Anthropology at the Democritus University of Thrace announces the launch of a new, fully equipped analytical system for the study of stable isotopes. The Laboratory now hosts the **HS2022 isotope ratio mass spectrometer with the PyroEarth elemental analyzer, manufactured by Sercon Ltd.**, which is fully operational on-site.

This equipment enables the analysis of stable isotopes of carbon ($\delta^{13}\text{C}$), nitrogen ($\delta^{15}\text{N}$), sulfur ($\delta^{34}\text{S}$), and oxygen ($\delta^{18}\text{O}$) in both organic and inorganic samples with high analytical precision and repeatability. With this new infrastructure, the Laboratory becomes **the first University Center in Greece** to acquire specialized equipment for **the reconstruction of ancient dietary practices**, offering new prospects in the fields of bioarchaeology and paleoanthropology in our country.

The Laboratory's facilities are available to scientists and research teams working in the fields of Archaeology, Anthropology, Biology, Geology, and related disciplines, who seek **reliable, well-documented, and scientifically validated analytical data**.

The Laboratory's research team is available for:

- Pilot research collaborations
- Provision of services for archaeological and interdisciplinary projects
- Consulting support in the design and implementation of stable isotope studies, particularly for the investigation of ancient diets

For more information or collaboration requests, please contact: cpapage@he.duth.gr / +30 2531039998.



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της Ευρωπαϊκής Ένωσης



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