

Short Curriculum Vitae: Oikonomidis Stavros

Current Position: ETEP (Specialized Laboratory Personnel) in School of Geology, Aristotle University of Thessaloniki

Undergraduate Education: BSc. in Geology, 1995

Post-graduate Education: Ph.D. in Geology, 2020

Areas of Interest: Asbestos monitoring of natural and drinking waters, soil samples, structural materials. Morphological and elemental analyses of crystals, minerals and mineral phases with Electron Scanning Microscopy, characterization of dental structure and materials, characterization of cultural heritage materials, bulk chemical analyses of rocks, structural materials and airborne particles with X ray fluorescence. Tracing and characterization of nanoparticles and nanotubes, biomaterials and cells with Scanning Electron Microscopy. Applications of Scanning Electron Microscopy in Archaeology and Cultural Heritage. Study of microstructure and microanalysis of ancient ceramics, metal artifacts and pigments. Morphological characterization of ancient food remains with Scanning Electron Microscopy.

Relevant Research projects:

Research Project: "Study of gold, silver and stone archaeological findings from the excavations of ancient Mesimbria, North Greece."

"Investigating the food cultures of Ancient Europe: An interdisciplinary investigation of plant ingredients, culinary transformation and evolution through time (PlantCult)." ERC funded project (Consolidator Grant, Horizon 2020 Research and Innovation Program) (2016-2020)

Work experience:

2002 - now: Scanning Electron Microscope operator in SEM Lab, Aristotle University Thessaloniki. Collaboration with the Schools of Geology, Physics, Chemistry, Medicine, Dentistry, Pharmaceuticals, Veterinary, History-Archaeology, Forestry, Civil Engineering, Chemical Engineering, Electrical and Computer Engineering, Mechanical Engineering
1995 - now: Training and education in Crystallography, Mineralogy and Applied Laboratory Techniques for pre-graduate students of School of Geology and SEM appliances and techniques for post-graduate courses of AUTH.