Eleni Vakonaki is an Assistant Professor of Toxicology with many years of experience in clinical and forensic toxicology. She graduated in Biology from the University of Naples, Federico II and completed her postgraduate studies, PhD, and postdoctoral research at the School of Medicine of the University of Crete. She is a member of the International Association of Forensic Toxicologists (TIAFT), a founding member of the Hellenic Society of Forensic Toxicologists and is registered in the European Register of Toxicologists (ERT). She also actively participates in numerous research projects and international collaborations.

Education

2008: Bachelor of Science (BSc) in Biology, Federico II, Naples, Italy.

2012: PhD, School of Medicine, University of Crete, Heraklion, Greece.

2022: Master of Science (MSc) in Hematology-Oncology of Childhood and Adolescents, School of Medicine, University of Crete, Heraklion, Greece.

2023: Postdoctoral Research in Toxicology, titled “Association of cortisol and endocrine disruptor levels in the hair of mother–newborn dyads with telomere length and the biological age of the newborn”, School of Medicine, University of Crete, Heraklion, Greece.

Continuing Education and Training

2010: Basic Toxicology Course, Crete, Greece — EUROTOX.

2011: Advanced Toxicology Course, Kusadasi, Turkey — EUROTOX.

2013: Advanced Toxicology Course, Volos, Greece — EUROTOX.

2014–2015: Diagnostic and Therapeutic Approaches in 21st Century Cancer Pathobiology, Lifelong Learning Program, School of Medicine, University of Crete.

2024: TIAFT and SOFT Joint Continuing Education Webinar: Challenges in Post-Mortem Toxicology.

2025: TIAFT Continuing Education Webinar: Exploring the Evolution and Detection of Alcohol and Illicit Drugs in Vaping Devices.

Research Interests

Development and application of analytical methodologies for the detection of endocrine disruptors and hormones in unconventional biological samples.

Biomonitoring of human exposure to xenobiotics, including pharmaceuticals and environmental pollutants.

Investigation of the effects of exposure to xenobiotic substances on cellular aging through the study of telomere length.

Publications

https://scholar.google.gr/citations?user=6ZREEZcAAAAJ&hl=el&oi=sra