



Dr Olga Deda is a **Biochemist** with **M.Sc., PhD in Analytical Chemistry**.

She has been working since 2017 in Laboratory of Forensic Medicine and Toxicology, School of Medicine, Aristotle University of Thessaloniki as a Post-Doctoral Researcher. She works on LC-MS, GC-MS and NMR metabolic profiling and biochemical interpretation of metabolomics data. Her current research activities include metabolomics-based studies on alcohol toxicity biomarkers, correlation of clinical appearance and complexity of Coronary Artery Disease with the Patients' Metabolic Profile, beneficial effects of carobs in gastro-intestinal disorders, biochemical interpretation of neonatal necrotizing enterocolitis and intraventricular hemorrhage. Her previous research activities include the standardization of analytical metabolomics, sample preparation optimization in fecal metabolic profiling, metabolomics-based methods for the discovery of exercise and aging biomarkers in mammals, the effect of allopurinol administration on carbohydrates and lipids metabolism during exhaustive aerobic exercise in rats, biochemical interpretation of metabolomics data on shikonin's cytotoxic activity in the Huh7 human hepatoma cell line and automated selective fluorometric determination of histamine in seafood samples based on the concept of sequential injection analysis (SIA).