

Giudetti Anna Maria (GAM) is a Biochemistry associated professor at the Department of Biological and Environmental Sciences and Technologies (DiSTeBA), University of Salento. GAM activity is mainly focused on the study of mechanisms regulating lipid metabolism in different nutritional conditions and in pathological states such as diabetes, hypothyroidism, liver steatosis, steatohepatitis, and cancer. GAM expertise regards the activity of enzymes of the *de novo* fatty acid synthesis, adipogenesis, and enzymes involved in the phospholipid remodeling pathway occurring during inflammatory processes. She has consolidated expertise in the in-situ assay of enzymes involved in lipid metabolism and in the lipidomic study of plasma membranes and membranes of specific organelles and cells such as mitochondria, lymphocytes, and erythrocytes.

GAM recently start the study of the mechanism by which lipids transported by extracellular vesicles can transfer information for the regulation of cellular metabolism in pathological conditions such as type 2 diabetes. GAM is currently a supporting member of the Italian Society of extracellular vesicles (EVIIta)