

Biosketch – Prof. Antonella Smeriglio

Antonella Smeriglio is Associate Professor of Pharmaceutical Biology at the University of Messina (Italy). Her research activity focuses on ethnopharmacology, pharmacognosy, and phytochemistry of medicinal, aromatic, and food plants, integrating traditional knowledge with advanced analytical and biological approaches. She works on the chemical characterization of plant extracts and essential oils by LC-DAD-ESI-MS/MS, GC-MS, and GC-FID, coupled with in vitro cell-based and cell-free models to investigate antioxidant, anti-inflammatory, antimicrobial, and biofunctional properties. She is author of over 130 peer-reviewed scientific publications in high-impact journals, with an H-index of 37.