

Elena Palmieri - CV

Elena Palmieri is a chemist and researcher at the National Research Council of Italy (CNR), with a PhD in Chemistry from the University of Rome "Tor Vergata." Her research focuses on developing sustainable polymeric and cellulose-based composites enhanced with nanomaterials like graphene and nanodiamonds. These materials are applied to flexible electronics, wearable sensors, energy devices, and cultural heritage conservation. For the last few years, she has been working on biodegradable platforms for green electronics, including cellulose-based adhesives for precision agriculture and on-leaf sensing. Her work also includes studies on rheological properties and plasmonic nanostructure interactions for enhanced Raman detection. Dr. Palmieri collaborates on national and European research projects and contributes actively to the scientific community through publications, peer review, and cross-disciplinary collaborations.