

## **Ivana Di Bari - CV**

Dr. Ivana Di Bari is a temporary Researcher at CNR-IMM, Consiglio Nazionale delle Ricerche - Istituto per la Microelettronica e Microsistemi in Catania, since July 2023. Her recent research focuses on the development and electrical/electro-optical characterization of optical sensor systems, as well as the design of functional polymeric materials for detecting water contaminants, for precision agriculture and environment applications.

Dr. Di Bari worked as Postdoctoral Researcher at the Laboratory of Bioanalytic at UNICT, in Catania, from 2019 to 2022. Her work involved designing microfluidic devices for the sensitive detection of toxins and contaminants in food matrices using innovative technologies and flow chemistry. She also contributed to high-impact project in the field of cultural heritage.

Dr. Di Bari earned her International Ph.D. in Chemical Sciences in 2018 at the University of Catania (UNICT), where she conducted research in the Photochemistry Laboratory and spent her second year as a visiting Ph.D. student at Ulster University in Northern Ireland. During her doctoral studies, she specialized in photoresponsive nanosystems for therapeutic applications, focusing on the design and synthesis of nanostructured antibacterial and anticancer systems.

Between 2014 and 2015 Ivana received a research fellowship at the CNR-ICB, Istituto di Chimica Biomolecolare, after completing her undergraduate education earning master's degree cum Laude in Chemical Sciences in 2014 and a bachelor's degree in Chemistry in 2011.

Her expertise embraces spectroscopy, nanotechnology, photochemistry, analytical chemistry, material chemistry and classic and supramolecular synthetic approaches. She has contributed to innovative projects involving nanostructured materials for therapeutic applications, cultural heritage preservation and environmental monitoring. Dr. Di Bari is author of several scientific papers published in peer reviewed International Journals.