

Giulia Rando - CV

She earned her master's degree *cum laude* in Chemical Sciences from the University of Messina in 2020. In December 2023, she completed an Innovative PhD with industrial characterization in Chemical Sciences (XXXVI cycle) at the University of Messina, obtaining her PhD with honours and the qualification of *Doctor Europæus*.

She is the co-founder of the innovative spin-off ATHENA Green Solutions S.r.l., which operates in the field of environmental technologies.

Currently, she is a temporary researcher at the Institute for the Study of Nanostructured Materials (ISMN–CNR) in Sicily, Italy. She has extensive experience in the design, synthesis, and characterization of materials for sustainable applications.

Starting from February 1, 2024, she is involved in the project “Design, synthesis and characterization of advanced, organic, inorganic and hybrid, micro- and nanostructured materials, to be used as functional and smart systems in the treatment of surfaces, and in the removal/detection of pollutants and environmental parameters” (scientific responsible Dr. Maria Rosaria Plutino) within the MICS (Made in Italy–Circular and Sustainable) Extended Partnership and received funding from the European Union Next-Generation EU (PNRR, PE00000004).

To date, she is co-author or first author of around 20 research articles (Google scholar h-index: 15) and co-inventor of an international patent.

Her research activity is aimed at the development and characterization of advanced, multifunctional and smart organic, inorganic and hybrid (micro- and nanostructured), composite and polymeric materials, obtained thanks to the use of sol-gel techniques, macrocyclization reactions, polymerizations, blending of polymeric or bio-polymeric mixtures or even through the use of appropriate organic and hybrid functional cross-linkers.