

Short biography

Valentina Trovato obtained her Ph.D. in Engineering and Applied Sciences from the University of Bergamo, Italy, in 2020. Since then, she has held a postdoctoral research position at the Department of Engineering and Applied Sciences at the same institution, where she is currently a fixed-term Researcher (Type A) under the framework of the PNRR project MICS (Made in Italy – Circular and Sustainable).

Her research primarily focuses on the synthesis and characterization of organic–inorganic hybrid coatings, mainly via colloidal chemistry, with functional or stimuli-responsive properties. These materials are designed for the surface functionalization of polymers, with applications in advanced technical textiles and wearable sensors.