

Francesca Boccaccini, PhD in Earth Sciences, Environment and Cultural Heritage, currently works as a postdoctoral researcher at the Institute for the Study of Nanostructured Materials (ISMN) of the National Research Council (CNR) of Rome. The main research activities include the development of advanced sustainable materials derived from renewable sources or waste products. In particular, she investigates the properties of anticorrosion biopolymer coatings designed for preserving sensitive metal surfaces of cultural and artistic interest from degradation processes. She also develops tailored validation protocols for anticorrosion coatings, using several analytical techniques, such as optical and electron scanning microscopy, Infrared and Raman spectroscopy, and electrochemical analysis.