Francesca Boccaccini, CNR-ISMN

Francesca Boccaccini, PhD in Earth Sciences, Environment and Cultural Heritage, is currently a postdoctoral researcher at the Institute for the Study of Nanostructured Materials (ISMN) of the National Research Council (CNR) of Rome. Her main research activities are focused on the development and study of innovative biomaterials, obtained from renewable sources or waste products and designed for a more sustainable protection of metal works of art. She also investigates the properties of bronze and silver corrosion patinas to detect the main factors responsible for metal artworks degradation, working with different techniques such as optical and electron scanning microscopy, Infrared and Raman spectroscopies, X-ray diffraction and electrochemical analysis.