



16<sup>th</sup> International Conference on Surfaces,  
Coatings and Nanostructured Materials  
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## SHORT BIO:

**Ilaria Bonaduce**, PhD, is an Associate Professor of Analytical Chemistry at the Department of Chemistry, University of Pisa. Her research focuses on the characterisation and identification of organic materials in paint samples and archaeological polychrome objects, with particular emphasis on paints that use drying oils and proteins as binders. She aims to reconstruct historical painting techniques and artistic practices, understand material changes, and support the development of conservation treatments. Ilaria specialises in mass spectrometry, chromatography, and analytical pyrolysis, collaborating with experts in thermoanalytical techniques, atomic and molecular spectroscopies, art history, and conservation to develop methodological approaches for studying artwork samples and material transformations in paint layers.