



## FELLOWS

# CRISTINA SILIGARDI ITALY



Cristina Siligardi has been a Full Professor at the University of Modena and Reggio Emilia since 2020. She earned her Master's degree in Chemistry with honors from the University of Modena in 1991 and obtained a Ph.D. in Materials Engineering in 1996. She began her academic career at the Department of Engineering "Enzo Ferrari," where she served as an Assistant Professor from 2000 to 2006 and as an Associate Professor from 2006 to 2020.

Her research focuses on the design, preparation, characterization, and application of traditional ceramic materials (such as floor and roof tiles), as well as glass and glass-ceramic materials, glazes, cool roof coatings, and cool color coatings. Since 2012, she has led several international research projects, including four funded by the LIFE Programme, along with multiple national projects. She is also responsible for technology transfer contracts with Italian companies and serves on the Ph.D. School board in the Department of Civil, Environmental, and Materials Engineering.

Siligardi is an Associate Editor for both the *Journal of the American Ceramic Society* and the *Journal of Applied Ceramic Technology*. She has authored 198 scientific publications and holds one patent. In 2022, she received the *Coatings* Best Paper Award for her work titled "First Insights into Photocatalytic Degradation of HDPE and LDPE Microplastics by a Mesoporous N-TiO<sub>2</sub> Coating: Effect of Size and Shape of Microplastics."

She has been a member of the Italian Ceramic Society since 1996 and was a founding member of the Italy Chapter of the American Ceramic Society in 2017. In 2023, she was elected President of the Italian Ceramic Society.