



Prof. Marina Cabrini

Marina Cabrini is Full Professor of Materials Science and Technology at the Department of Engineering and Applied Sciences, University of Bergamo. She graduated in Industrial Chemistry from the University of Milan under the supervision of Prof. Francesco Mazza, and subsequently joined Politecnico di Milano, where she worked in the Corrosion Group led by Prof. Pietro Pedferri. Since 1997, she has been affiliated with the University of Bergamo, where she currently teaches *Metallic Materials* (Mechanical Engineering), *Biomaterials* (Engineering Technologies for Health), and *Advanced Biomaterials* (Medical Engineering). She is a member of the SUSTAIN and Engineering and Applied Sciences doctoral schools, where she has taught the PhD course *Electrochemistry and Electrochemical Technologies*.

She serves as the Italian Delegate to the Board of the International Corrosion Council and is a member of the International Society of Electrochemistry (ISE) and the European Federation of Corrosion (EFC). She is also President of the Corrosion Committee of the Italian Association of Metallurgy (AIM). At the University of Bergamo, she heads the Microstructural Analysis Service, the High-Pressure and High-Temperature Research Laboratory, and the Electrochemistry Laboratory. Her research activity focuses on electrochemistry and corrosion, with particular emphasis on environmentally assisted cracking and hydrogen embrittlement of conventional and advanced alloys. Her current research includes: corrosion behaviour of aluminium, titanium, and nickel alloys produced by additive manufacturing; corrosion and stress corrosion cracking of aluminium alloys (AA7075 and AA2024) joined by Friction Stir Welding; the effects of mechanical loading on hydrogen diffusion and embrittlement in metals; and corrosion of metallic biomaterials. She is Principal Investigator at the University of Bergamo for the Horizon Europe project *CANDHy – Compatibility Assessment of Non-Steel Metallic Distribution Gas Grid Materials with Hydrogen*. She has collaborated with major Italian industrial groups in the energy production and transportation sectors.

She is the author of 107 publications indexed in Scopus and has an H-index of 23.

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