

SHORT BIO:

Cristina Italiano is a Researcher at CNR-ITAE (Institute of Advanced Energy Technologies of the National Research Council of Italy) since 2018. Graduated in "Industrial Chemistry" and PhD in "Chemical Technologies and Innovative Processes", her research activity is focused on heterogeneous catalysis, particularly the development of structured nanomaterials (monoliths, foams, POCS) and reactors for the intensification of hydrogen production (reforming of fossil and renewable fuels) and chemical storage of renewable energy (e-fuels or energy carriers). She is Author and co-Author of 56 scientific articles, 3 book chapters, more than 50 technical-scientific reports relating to project activities (h-index: 30 / Scopus). The scientific results have been disseminated in over 70 communications at international conferences. She is involved in several research projects, focused on i) reforming processes for hydrogen production; ii) methanation reactions for synthetic natural gas production; iii) ammonia synthesis and decomposition for hydrogen storage.