

CV of prof. Cristina Leonelli

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Cristina Leonelli became a full professor in the field of the Chemical Foundations of Technologies at the Department of Engineering 'Enzo Ferrari' (DIEF) at the University of Modena and Reggio Emilia, Italy, in 2005. She specializes in solid state chemistry, particularly the reactivity of ceramic powders and the transition from amorphous to crystalline states. She has personal experience of designing new compositions, preparing and characterizing different powder and bulk ceramic materials, and developing applications. She has also been active in developing innovative preparation techniques and the application of microwave heating to materials processing and inertization. Since 2008, her research has focused on the alkali activation of aluminosilicate materials to produce cement-like formulations using sustainable starting materials such as industrial waste, mine residues, and debris.

She has coordinated several national research projects and some international cooperation and research projects. She has good relationships with local and national companies in the fields of microwave processing and industrial applications of inorganic chemistry. She has held several elective positions in international and national scientific associations.

She has presented her work at international and national conferences, some of which have invited her to speak and to serve on the Organising and Technical Committees. She has been a member of the editorial board of several international scientific journals and has served as an invited editor on a number of special issues. Regarding bibliometric parameters updated in March 2026, Prof. Leonelli has an h-index of: 60, with 13,570 total citations on 490 works reviewed on SCOPUS, as follows: Articles (366), conference papers (81), reviews (14), book chapters (19), editorials (8) and books (1). She is also a co-inventor of eight national and international approved patents. An updated list of publications can be found at ORCID iD: 0000-0001-8524-8715.