Claudia Crestini Graduated in Chemistry in 1990 at the University La Sapienza She has been researcher at the Francesco Angelini Research Institute from 1990 to 1993 and got a PhD on lignocellulosic materials valorization in 1996 at the University of Tuscia. From 1995 to 1997 she was visiting scientist at McGill University in Montreal. She was researcher and associate professor at the Tor Vergata University since 1998 and is full professor in General and Inorganic Chemistry at the Department of Molecular Science and Nanosystems, Ca' Foscari University, since 2018.

Author of over 170 pubblications and 18 patents, she is Editor of Journal of Chemistry, Cellulose Chemistry & Technology and Molecules

She has been nominated and elected Fellow of the Royal Society of Chemistry (RSC) and the International Academy of Wood Science (IAWS)

From 2020 she is Coordinator of the Challenge School of Environment, Ca' Foscari University
From 2019 she is Member of the Scientific Committee of Center for Sustainability, Ca' Foscari University
From 2019 she is Chair of the teaching Committee of the graduate course in Sustainable Chemistry and Technologies of the University Ca' Foscari of Venice
She is actually Italian representative and management committee member of the Cost action CA 17128 LignoCOST.

Professor Crestini scientific activities focus on the field of lignin and natural polyphenolics valorization: nanoparticles, nanocapsules, nanofibers and their derived materials, structural characterization, catalysis, biomimetic catalysis and biotechnology in lignin oxidative modifications. Founder of the Polyphenols Chemistry & material Science laboratory at the Department of Molecular Science and Nanosystems at Ca' Foscari University. This is one of the few Italian Laboratories with significant R&D activities in the field of sustainable chemistry and materials with a specific focus in lignin biorefinery, development of new hybrid materials and nanomaterials from renewable biopolymers. She independently developed specific research areas of fundamental importance in the sector. Over the years she has been focused - also in collaboration with multinational companies- on sustainable development and circular valorisation of renewable materials.