



open lecture

Discussant: prof. Nerantzia (Julia) Tzortzi, PhD, Associate Professor

Giuliana Bonvicini

environmental department head at Centro Ceramico

“ **LIFE SUPERHERO**

SUSTAINABILITY AND PERFORMANCES FOR
HEROTILE-BASED ENERGY EFFICIENT ROOFS ”

Monday
3rd May 2021
10.15-10.45

Politecnico di Milano,
Virtual Room

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Nerantzia Tzortzi personal room

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Giuliana Bonvicini

Giuliana Bonvicini holds a Ph.D. in Materials Engineering at the University of Bologna. She earned a Degree in Chemistry at the University of Bologna in 1998. Her activities were mainly focused on chemical characterisation of ceramic material from raw material to the final products with the ICP technique. Nowadays she covers the position of environmental department head and helps ceramic companies to be compliance with the regional emission regulation and with the international environmental requirements requested by several “green labels”. She is part of Environmental Working group within Confindustria Ceramica to develop with the Italian tile industry research into technologies, raw materials and processes for reducing the impact of production activities on the environment and humans. She is also part of the working group about Safety of workplace in ceramic industry with a specific focus on Respirable Crystalline Silica. As technical expert on the above mentioned topic she is part of the working groups within Ceram Unie. She has been designated as Supporting Expert of the Ministry for the Environment and Protection of Land and Sea – “IPPC and Industrial Risk” Unit. Moreover, she took part in several national and international projects: she has been senior investigator in **REMEB - HORIZON2020** project (IA-641998) “Eco-friendly ceramic membrane bioreactor (MBR) based on recycled agricultural and industrial wastes for waste water reuse” and coordinator in **LIFE SUPERHERO** project (in progress) “Sustainability and PERformances for HEROTILE-based energy efficient roofs” promoting the use of “passive cooling” technologies to reduce the temperatures of buildings envelope and consequently of the surrounding air. She is author of about 40 scientific works: about 10 publications in international journals with impact factor and about 30 conference presentations. She also has extensive experience in the use and reuse of other industrial and agro-industrial wastes for the manufacture of different ceramic products such as tiles, bricks and membranes. She developed a deep expertise to test and then verify that the new formulations comply with all regulatory requirements in terms of the environment and safety issues.

