

I am Italian Assistant Professor in the framework of Applied Physical Chemistry at University Campus Bio-Medico di Roma (Rome, Italy). I received my Master Degree in Chemical Engineering (110/110) from Politecnico di Milano, in April 2014, with an experimental thesis on the synthesis and characterization of modified hydrogels able to improve cell adhesion and fate. In January 2018, I received my Ph.D. in Industrial Chemistry and Chemical Engineering at Politecnico di Milano with honors discussing an experimental thesis on the synthesis of polymeric devices for drug and cell delivery in central nervous system. I also spent research period as Visiting Ph.D. student at the Department of Neuroscience at University of Cambridge (*Pluchino Lab*). In November 2018, after a period as Post-Doc at the Department of Chemistry, Materials and Chemical Engineering "Giulio Natta" at Politecnico di Milano, I moved to Rome as Assistant Professor. My main research fields are the chemical functionalization of polymers and the design of three-dimensional smart polymeric systems as neutral highly biocompatible tools for controlled drug delivery and cell delivery, in nanomedicine and tissue engineering. One special focus is related to the nano-drug targeting in inflamed/injured cells of tumor scenarios, through the synthesis of nanoparticles and nanogels. I have also studied the spinal cord injury treatment through the collaboration with Istituto di Ricerche Farmacologiche "Mario Negri" (Milan, Italy). At the end of 2019, I spent research period as Visiting Assistant Professor at ETH Zurich. For my research activities I have been awarded with some international awards: *European Doctorate Award* by European Society of Biomaterials (ESB), the award by Italian Society for Biomaterial (SIB) at the 10<sup>th</sup> World Biomaterials Congress in Montréal (Canada), and *Nanoinnovation's Got Talent* at Nanoinnovation 2019 in Rome (Italy).

I am author of 31 ISI papers (20 with first or corresponding authorship) and 5 book chapters.