

Since end of 2018 she is with IRCCS Ospedale Specializzato in Gastroenterologia "Saverio de Bellis" Castellana Grotte (BA), where she develops nanoparticle-based selective contrast agents for the diagnosis and treatment of chronic inflammatory bowel disease and continues her work on early diagnosis of cancer and drug monitoring.

From 2010 till 2018 she worked with Fondazione I.R.C.C.S. Istituto Neurologico "Carlo Besta" in Milan, Italy and heads the laboratory for Nanomedicine. At Besta, she is studying the transport mechanisms for differently functionalized gold nanoparticles across the BBB and how this is influenced by blood-derived proteins. Moreover, different novel metallic and non-metallic delivery systems for various other diseases were designed for projects funded by Italian and EU foundations. In 2016 she started to work in parallel for the Istituto tumori "Giovanni Paolo II" in Bari, Italy and leads the laboratory for translational Nanotechnology with focus on early diagnosis and advanced therapy of cancer. In Bari, her research aims at understanding the role of exosomes and the tumor secretome in cancer and predictive diagnosis as well as on the development of drug delivery systems for lung cancer and melanoma.

She is member of the editorial board of the journal "Precision Nanomedicine", and associate editor of "Frontiers in Nanobiotechnology". Since 2013 she is adjunct faculty member at the Pakistan Institute of engineering and applied science (PIEAS). She is member of the international advisory committee of the International scientific spring conference in Islamabad, Pakistan.