Maria Grazia Raucci

Institute of Polymers, Composites and Biomaterials, National Research Council

+390812425945

mariagrazia.raucci@cnr.it

http://www.ipcb.cnr.it

Dr. Maria Grazia Raucci is Research Scientist at Institute of Polymers, Composites and Biomaterials of National Research Council where she leads the Tissue Engineering & Cell Culture Laboratory. Qualified Associate Professor in Material Science and Technology (SSD ING-IND/22, sc 09/D1). M.Sc degree in Biology Science (2001) and Ph.D in Chemical Engineering of Materials and Production – Biomaterials (2005).

Dr. Maria Grazia Raucci has been visiting PhD student at Guy's, King's and St Thomas' Dental Institute, Department of Dental Biomaterials Science in London focusing the research activity on the biocompatibility of antibacterial materials for bone and dental tissues applications (2005). Then, she was at University of Brighton working on the synthesis of peptides and semi-dendrimers for materials bioactivation (2008). Visiting Scientist at Universidade Federal Do Rio Grande Do Sul, Porto Alegre, Brazil within the Short Term Mobility Grant 2016 on "Antimicrobial Ionic Liquids in bioactive sol-gel".

In the last years, Dr. Raucci has been involved in Horizon 2020 MSCA-RISE project coordinating the research activities at NERCB Institute of Sichuan University for the development of anti-inflammatory scaffolds by 3D printing for osteoarticular disorders. She has been visiting scientist at Shanghai Technology & Innovation Center to study the innovative systems for technological transfer between EU and China.

Furthermore, she is national coordinator of PRIN2017 program, young line, for the project aiming to develop injectable nano-composite biomaterials with dual therapeutic/regenerative behaviors for bone cancer. Moreover, Dr. Raucci is involved in national and European projects and bilateral cooperation with CINVESTAV (Mexico) and ANAS (Azerbaijan).

Research interests include: Design and biocompatibility of biomaterials for tissue engineering, sol-gel technique, cells-materials interactions, 2D materials for cancer therapy, antimicrobial biomaterials, multifunctional materials with therapeutic, antimicrobial and regenerative properties for minimally invasive surgery.

To date, she has published over 80 papers on international peer-reviewed journals, 6 book abstracts and 4 patents.