Monica Mattarozzi was born in Cremona, Italy in 1983. In 2007 she graduated in Chemistry at the University of Parma (score: 110/110 cum Laude) with a dissertation on the topic “Coatings sol-gel selective based on quinoxaline cavitands for solid phase microextraction”. She obtained her PhD in Chemistry from the same University in 2011, with the Thesis: “Development and application of new materials and devices for sample treatment and MS-based analytical methods”. During her PhD period she spent six months at Purdue University (Indiana, USA) as Visiting scholar.

From 2010 to 2013 she was researcher for the Interdipartimental Center SITEIA.PR at the University of Parma (ex lege 230/2005, SSD CHIM/01). For two years she obtained a Research Fellow for activities focused on methodology in environmental scanning electron microscopy for material characterization (SSD CHIM/01). From December 2015 she is a fixed–term researcher (art. 24, comma 3, lettera a), Legge 30.12.2010, n. 240, SSD CHIM/01) at the University of Parma.

Her didactical activities concern the course “Analytical Techniques and Methodologies in Mass Spectrometry” (6 CFU) for degree in Chemistry. She has been supervisor of about 15 degree internships, for courses in Chemistry and Biotechnology. Moreover, she gave lectures for post-graduated master courses and schools, on different topics concerning mass spectrometry technique, method validation in analytical chemistry and quality system in analytical laboratories.

Her research activity is mainly focused on the development and validation of analytical methods based on mass spectrometry technique for determination of analytes of food, environmental and biological concern. More recently, her research interests have focused also on the development and optimization of immunosensor strategies for diagnostic and food quality purposes as well as on the use of environmental scanning electron microscopy for the morphological and compositional characterization of materials, also of biological nature.

The research activity is documented by more than 30 scientific papers published on international journals and about 40 oral and poster presentations in national and international conferences.