

## Martina Letizia Contente



Martina Letizia Contente was recently promoted Associate Professor at the University of Milan. She graduated in Pharmacy at the same University, where she obtained also her PhD in Medicinal Chemistry. During her career she had the opportunity to work in different international environments increasing her expertise in the development of intensified and sustainable flow-biobased processes for the preparation of bioactive compounds. Martina's research focussing on waste and energy minimization during chemical reactions has succeeded in generating ultra-efficient processes, thus answering to the worldwide urgency of "**efficient chemistry**" and "**sustainable manufacturing processes**". Demonstrating that enzymes can be used as strategic tools in traditional strategies, *via* protein immobilization and flow chemistry facilities she created a sustainable and robust platform for the preparation of synthetically challenging molecules spanning from bioactive compounds, pharmaceutical building blocks as well as food ingredients. Inspired by Nature, her innovative idea to use the combination of biocatalysts and flow reactors as cell factories to mimic natural pathways, allows for the generation of highly-sought human metabolites in a selective manner, avoiding parallel processes which are typical of living systems. Martina has published extensively and her research in biocatalysis has consistently attracted numerous collaborations. In recognition of her ground-breaking work she was awarded with several prizes while some of her publications are in **the 5% of most cited works** (RSC, Wiley).