

## **Raffaella Colombo**

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Raffaella Colombo graduated (2004, 110 cum laude) and obtained her PhD (2009) in Chemistry and Pharmaceutical Technology at the University of Pavia (UnivPv), where then she had also Post Doc fellow (2009-2010). Since 2010 she is Researcher in Drug Sciences Dept., UnivPv. She is an expert of analytical techniques (HPLC, CE) applied on proteins and drugs (quality control, protein folding and aggregation pathways, drug discovery). She has worked on many projects aimed at studying pathological proteins involved in amyloidosis diseases (mainly Alzheimer's Disease) at Pharmaceutical Analysis Laboratory, Drug Sciences Dept., UnivPv. She has also studied molecule-target interactions by Affinity techniques (ACE and microcantilevers). Since 2017 she is part of Nutraceutical and Food Chemical Toxicological Analysis Laboratory, Drug Sciences Dept., UnivPv. She works on different matrices (herbal extracts, food, food supplements, and food by-products) from the set-up of extraction methodologies and analytical platforms (HPLC-UV/MS) for the characterization step to the test of bioactivities by in vitro technologies (biochemical assays and cell-based microfluidic platforms).

She is author of 61 scientific publications (h-index 20) (Scopus ID: 26632925700; Orcid 0000-0001-9675-6598) and holds 1 patent. She is Lecturer of: -Food supplements and food for specific groups, - Compounds with healthy and toxic action in food, -Pharmaceutical analysis 2-Quantitative drug analysis (Pharmacy course, Drug Sciences Dept., UnivPv).