

CURRICULUM
MICHAEL ASSFALG
Università di Verona

POSITIONS

October 2023 – today: Full Professor of Organic Chemistry, University of Verona

2014 – 2023: Associate Professor of Organic Chemistry, University of Verona

2006 – 2014: Research Associate of Organic Chemistry, University of Verona

EDUCATION AND TRAINING

01/2006	Postdoctoral	University of Frankfurt, Germany	Biomol. and Medicinal Chemistry
04/2004	Postdoctoral	University of Maryland, USA	Biomolecular Chemistry
10/2002	Postdoctoral	University of Florence, Italy	Protein chemistry
12/2001	PhD	University of Florence, Italy	Biomolecular NMR spectroscopy
12/1997	M. Sc.	University of Florence, Italy	Bioinorganic Chemistry

RESEARCH ACTIVITY

M.A. has acquired research experience in Italy, Germany, and the USA. The expertise of M.A. in the field of NMR spectroscopy is evident from its scientific production and experience in two European Research Infrastructures for NMR, the Biozentrum in Frankfurt and CERM in Florence.

His interest in chemical entities of biological function ranges from small metabolites to biopolymers and to the description of their interactions at the atomic level. Concerning the study of metabolites, M.A. was among the first scientists to develop NMR metabolomics in Italy.

Since 2013, M.A. leads an independent research group in Verona. The team is pursuing new lines of research, including chemical neuroscience. In particular, he is focusing on the aggregation of amyloidogenic proteins, such as alpha-synuclein and tau. Recent studies concern the role of post-translational modifications in modulating tau fibrillation, the influence of lipid molecules on amyloid formation, and the possibility of mitigating pathological aggregation using nanoparticles or food-derived bioactive compounds.

He has been a member of scientific and organizing committees of several national and international conferences. He was an invited speaker at several congresses. He received funding as PI from the Italian Ministry of University and Research, from the University of Verona, and from National Foundations. He is the author of ca. 90 research articles published in peer-reviewed scientific journals. ORCID: 0000-0001-9331-3169