

Marina Di Carro

Associate professor

EDUCATION AND TRAINING

2004

Ph.D. in Chemical Sciences

“Coupled Mass Spectrometry Techniques with Liquid Chromatography (LC-MS) and Gas Chromatography (GC-MS) for the Determination of Organic Pollutants and Organometallic Compounds in the Marine Environment”, tutor Prof. Magi
Università degli Studi di Genova – IT

1998

Master Degree in Chemistry

“Application and Optimization of the Particle Beam Interface for the Determination of Amino Acids by Liquid Chromatography Coupled with Mass Spectrometry” - 110/110 cum laude, tutor Prof. Magi
University of Genoa - Genoa – IT

PROFESSIONAL HISTORY

2022 - present

Associate professor

Scientific work, focused on analytical chemistry applied to real matrices, can be summarized as follows:

- Hyphenated techniques (GC-MS, LC-MS) for the study of organic micropollutants and emerging contaminants in real matrices
- Hyphenated techniques (GC-MS, LC-MS) for the study of relevant compounds in food matrices
- Innovative sampling and preconcentration techniques

Department of Chemistry and Industrial Chemistry - University of Genoa - Genoa - IT

2010 - 2022

Researcher

Department of Chemistry and Industrial Chemistry - University of Genoa - Genoa - IT

2004 - 2010

Post-doctoral fellow

Department of Chemistry and Industrial Chemistry - University of Genoa - Genoa - IT

TEACHING ACTIVITIES:

- “Analytical Chemistry 2 – Module 2”, Bachelor’s Degree in Chemistry and Chemical Technologies (from Academic Year 2012–13 to present).
- “Advanced Analytical Techniques”, Master’s Degree in Chemical Sciences (from Academic Year 2017–18 to present).
- “Analysis of Organic Contaminants”, Bachelor’s Degree in Chemistry and Chemical Technologies (since Academic Year 2021–22).
- Laboratory module of “Analytical Chemistry 1”, Bachelor’s Degree in Chemistry and Chemical Technologies (since Academic Year 2023–24).

2017 – present

Implementation of active learning methodologies such as Team-Based Learning (TBL) and Problem-Based Learning (PBL) to enhance student engagement and increase lesson interactivity.

2019 – present

Member of the Steering Committee of the European Team-Based Learning Collaborative (ETBLC), the European section of the TBLC (an international organization that promotes the dissemination and adoption of TBL across all levels of education through research and training activities), serving as the representative for Italy.

ACADEMIC APPOINTMENTS

2022 - present**Member of the University Working Group on Teaching and Learning Techniques (GLIA).**

GLIA plans and organizes faculty development activities and training programs for lecturers, focusing on innovative methodologies and participatory teaching.

University of Genoa - Genoa - IT

2016 – present**Member of the Internship Committee for the Bachelor’s Degree in Chemistry and Chemical Technologies.**

Department of Chemistry and Industrial Chemistry – University of Genoa

EXPERIENCE

ORAL KEYNOTES

2018 Emerging contaminants in waters: a challenge for analytical chemistry

In Book of Abstract - IL-4, p. 20. ISBN: 978-88-94952-00-1.

IX Giornate Italo-Francesi di Chimica, 16-18/4/2018, Genova

2018 A tricky task for the analytical chemist: the study of emerging pollutants in waters

In Atti XVII Congresso Nazionale della divisione di Chimica dell’Ambiente e dei Beni culturali, Keynote, pag. 30. ISBN: 978-88-94952-01-8.

ABC Congress, 24-27/6/2018, Genova.

SCIENTIFIC RESPONSIBILITY FOR RESEARCH PROJECTS ACCEPTED FOR FUNDING ON THE BASIS OF
COMPETITIVE CALLS INVOLVING PEER REVIEW

2020-22 Scientific Coordinator of the project “Coastal Water Quality in Liguria: An Innovative
Approach for the Rapid Detection of Emerging Organic Contaminants”
Advanced Training Projects POR FSE Liguria 2014-2020 Asse 3 “Istruzione e Formazione”,
Programma Operativo Regione Liguria Fondo Sociale Europeo 2014-2020.

PUBLICATIONS

Author of 55 publications on peer-reviewed journals

<https://www.scopus.com/authid/detail.uri?authorid=57200519214>