

MATTEO BAGLIETTO

CURRICULUM VITAE



Date of birth / Age /
Place of birth /
Nationality/ citizenship /

Driving licence / **B** / Car available
ID/ **4989043** updated on 15/11/23



FOREIGN LANGUAGE SKILLS

MOTHER TONGUE(S): Italian



ENGLISH GOOD	B2	C1	B2	B2	C1
FRENCH LIMITED	A1	A1	A1	A1	A1

DIGITAL COMPETENCES

Self-assessment grid 
Information processing **Proficient user**
Communication **Proficient user**
Content creation **Independent user**
Safety **Basic user**
Problem solving **Basic user**

EXPECTATIONS AND FEATURES OF THE DESIRED JOB

INTENTION TO CONTINUE STUDIES: **Yes** /
Doctoral studies

ECONOMIC SECTOR: **1.** chemistry / **2.**
chemical-pharmaceutical industry / **3.** food

CAREER FIELD: **1.** Quality and security / **2.**
R&D and patents / **3.** Manufacturing

DESIRED JOB: **Chemist**

PREFERRED DISTRICT TO WORK IN: **1.**
SAVONA / **2.** GENOVA

AVAILABILITY FOR BUSINESS TRAVELS:
Yes, even frequently

AVAILABILITY TO RELOCATE ABROAD:
Yes, but only in Europe

Career Goal

I would like to work in a stimulating sector related to my Analytical Chemistry specialization, exploiting my skills and knowledge, but being ready to further learn abilities and topics. In particular, my preferred fields are Forensic, Environmental and Food analyses.



ACADEMIC STUDIES

PH.D.
2021 - 2025
ONGOING STUDIES



**Università
di Genova**

Università degli Studi di GENOVA
Doctorate in Sciences and Technologies of Chemistry and Materials
PhD cycle: 37

Expected graduation date: 2025

MASTER'S DEGREE
2019 - 2021
CERTIFIED TITLE



**Università
di Genova**

Università degli Studi di GENOVA
Dipartimento di Chimica e Chimica Industriale
Master degree in Chemical sciences

specific field of the degree course: analytical chemistry for the study of the environment

LM-54 - 2nd level degree in Chemistry

Dissertation/thesis title: Implementation of analytical methods to detect emerging pollutants in seawater through chromatographic techniques hyphenated with mass spectrometry. |

Dissertation/thesis subject: Advanced Analytical Techniques |

Thesis supervisor: MARINA DI CARRO | Dissertation/thesis keywords: HPLC-MS/MS, Passive Sampling, POCIS, Emerging Pollutants

Age at graduation: 23 | Official duration: 2 years

Final degree mark: **110/110 cum laude**

Graduation date: 29/10/2021

BACHELOR'S DEGREE
2016 - 2019
CERTIFIED TITLE



**Università
di Genova**

Università degli Studi di GENOVA
Dipartimento di Chimica e Chimica Industriale
Bachelor degree in Chemistry and Chemical Technologies

specific field of the degree course: chemistry

L-27 - 1st level degree in Chemistry

Dissertation/thesis title: Applications of vibrational spectroscopy in forensic analysis | Dissertation/thesis subject: Analytical Chemistry | Thesis supervisor: MASSIMO OTTONELLI |

Dissertation/thesis keywords: Cannabis, Raman Spectroscopy, Forensic Analysis, Discriminant Analysis

Age at graduation: 21 | Official duration: 3 years

Final degree mark: **110/110 cum laude**

Graduation date: 04/10/2019

TECHNICAL CERTIFICATE
SAVONA
2016

Vocational School, Technological sector, Chemistry, materials and biotechnology specialisation, Chemistry and materials focus
IISS Ferraris Pancaldo, SAVONA (SV)

School-leaving examination mark: **100/100**

Kind of secondary school diploma: Italian secondary school diploma

Kind of secondary school attended: Public school



WORK EXPERIENCES

PhD student
UNIVERSITÀ DEGLI STUDI DI GENOVA

Chemistry
GENOVA (GE)
11/2021 - TODAY

Main activities and responsibilities: My current research focuses on developing analytical procedures to detect and quantify various kinds of analytes in different matrices. In particular, I am currently working on two research topics:

- 1- Determining emerging contaminants in seawaters by comparing passive sampling devices with spot samples results obtained by RPLC-MS/MS analyses;
 - 2- Developing strategies to detect both polar typical ingredients and illegal doping compounds in dietary supplements to be analysed through HILIC-MS/MS.
- | Company sector: Quality and security

Graduate Internship
UNIVERSITÀ DEGLI STUDI DI GENOVA

Chemistry
GENOVA (GE)
11/2020 - 10/2021

Main activities and responsibilities: Use of LC-MS/MS and related softwares.

Several laboratorial procedures of sample preparation and analyses, including Passive Sampling.

Employed as: intern/trainee - undergraduate internship | Company sector: R&D and patents

Undergraduate Internship
ARPAL

Chemistry
GENOVA (GE)
06/2019 - 09/2019

Main activities and responsibilities: Use of Raman Microscopy in forensic applications. Detection of active ingredients in pharmaceuticals and psychotropic substances in illicit drug samples. Qualitative and semi-quantitative approaches.

Employed as: intern/trainee - undergraduate internship | Company sector: Quality and security

Extra curricular internship
INFINEUM ITALIA

Chemistry
VADO LIGURE (SV)
06/2014 - 07/2014

Main activities and responsibilities: Use of several instrumentations aiming to verify the conformity of manufactured products entering in and exiting from the industrial plant.

Employed as: intern/trainee - undergraduate internship | Company sector: Quality and security



FOREIGN LANGUAGE SKILLS

English FCE - First Certificate in English, Cambridge English, 2015 , Europass level B2



INFORMATION TECHNOLOGY SKILLS

OFFICE AUTOMATION

Office Suite: (Highly Specialised) | **Presentation Software:** (Highly Specialised) | **Spreadsheets:** (Highly Specialised) | **Web Browser:** (Advanced) | **Word Processors:** (Highly Specialised)

APPLICATION SOFTWARE

CAD - Assisted Design: (Foundation)

COMPUTER PROGRAMMING

Programming languages: (Foundation) | **Web Programming:** (Foundation)

SYSTEMS AND NETWORKS MANAGEMENT

Network architecture: (Foundation) | **Operating systems:** (Advanced)

DATA MANAGEMENT

DBMS: (Foundation)

GRAPHICS AND MULTIMEDIA

(Intermediate)



PROFESSIONAL ACCOLADES AND AWARDS

PRIZE
21/09/2023

ABC Best Oral Presentation Award

The presentation titled 'Increasing the accuracy and the reproducibility of the processing method for polar organic chemical integrative samplers' was awarded as the Best Oral Presentation, sponsored by 'Analytical and Bioanalytical Chemistry' at the XXX National Congress of the Analytical

COMPETITION

2021

Chemistry Division (Italian Chemical Society) held in Vasto (IT) from 17th to 21st of September 2023.

Grading in list: 1

www.analitica2023.chim.it/index.php/it/

Dottorato di Ricerca anno 2021 in Scienze e Tecnologie della chimica e dei materiali - UniGe

Grading in list: 3

unige.it/sites/contenuti.unige.it/files/documents/GR...

AWARD / SCHOLARSHIP

2017

Borsa di Studio Marino Novi

Grading in list: 1

COMPETITION

2013

Giochi della Chimica - Classe di Concorso A

Grading in list: 2



CONFERENCES AND SEMINARS

CONVENTIONS

01/09/2023

XXX Congresso della Divisione di Chimica Analitica, Società Chimica Italiana, Vasto (IT)

National congress of the Analytical Chemistry Division of the Italian Chemical Society.

Oral presentation titled: 'Increasing the accuracy and the reproducibility of the processing method for polar organic chemical integrative samplers'

Character: Oral presenter

www.analitica2023.chim.it/index.php/it/

CONVENTIONS

01/06/2023

Massa 2023, Società Chimica Italiana, Torino (IT)

National congress of the Mass Spectrometry Division of the Italian Chemical Society.

Presentation of a poster titled:

'Target analysis of doping substances and tentative identification of unknowns in dietary supplements through HILIC-MS/MS'

Character: Poster presenter

torino2023.spettrometriadiamassa.it/index.php

CONVENTIONS

15/02/2023

PhD day, Dipartimento di Chimica e Chimica Industriale - UniGe, Genova (IT)

Poster presentation titled:

'Doping Substances in Dietary Supplements: Optimization of the Extraction Method and HILIC-MS/MS Analysis'

Character: Poster presenter

CONVENTIONS

01/09/2022

XXIX Congresso della Divisione di Chimica Analitica, Società Chimica Italiana, Milazzo (IT)

Poster presentation titled:

"Multivariate Optimisation of a HILIC-MS/MS Method to Quantify Both Polar Doping Substances and Legal Ingredients in Dietary Supplements"

www.analitica2022.chim.it/index.php/it/



PUBLICATIONS

JOURNAL ARTICLES

2023

Chiara Scapuzzi, Henry MacKeown, Barbara Benedetti, Matteo

Baglietto, Marina Di Carro, Emanuele Magi, Polyethersulfone membrane as a single-phase passive sampler: Evaluation of the sampling performance for emerging contaminants in water
Review: Microchemical Journal

Publisher: Elsevier B.V.

doi.org/10.1016/j.microc.2023.109445

JOURNAL ARTICLES

2022

Barbara Benedetti, Matteo Baglietto, Henry MacKeown, Chiara

Scapuzzi, Marina Di Carro*, Emanuele Magi, An optimized processing method for polar organic chemical integrative samplers deployed in seawater: Toward a maximization of the analysis accuracy fo

Review: Journal of Chromatography A

Publisher: Elsevier B.V.

Passive sampling (PS) of emerging contaminants (ECs) in seawater represents a challenge in environmental monitoring and a specific PS protocol may be necessary when dealing with marine applications. Herein, both the instrumental LC-MS/MS analysis and the PS processing for the determination of 22 ECs in seawater were carefully optimized. The study entailed a test simulating PS exposure to seawater as well as the processing of replicated field PS with different elution solvents.

doi.org/10.1016/j.chroma.2022.463309



TEACHING ACTIVITIES

LESSONS/LECTURES

2023

Università degli Studi di Genova

Laboratorio di Chimica Analitica 1

Laboratory of Analytical Chemistry 1 -

Introduction of the students to the analytical laboratory equipment: burettes, pipettes...

Execution of several titrations (standardization and analysis of a real sample).

Main Professor: Prof.ssa Marina Di Carro

Character: Laboratory Assistant

LESSONS/LECTURES

2022

Università degli Studi di Genova

Laboratorio di Chimica Inorganica 1

Laboratory of Inorganic Chemistry 1 -

Instrumental analyses and characterization (UV-Vis and ATR-IR spectroscopy) of Metal complexes synthesized by the students, giving them notions about the principles of the instruments and showing how they work (practical hints).

Main Professor: Prof.ssa Simona Delsante

Character: Laboratory Assistant



ATTACHMENTS

Iris Unige

Database system of the University of Genoa collecting every personal contribution in publications and congresses (books of abstracts).

iris.unige.it/cris/rp/rp78804

Master degree thesis

Using this link it is possible to view my master degree thesis (in Italian).

drive.google.com/file/d/1csgBYGXR4yR6TuAB04lx-...

ORCID

Personal ORCID profile. It collects every contribution in publications and books of abstracts of congresses, as well as the recordings of the PEER-REVIEW ACTIVITIES done for some scientific journals.

orcid.org/0000-0002-6692-7912

Scopus ID

www.scopus.com/authid/detail.uri?authorId=57809...



ADDITIONAL INFORMATION

I am used to amateur team-based sports activities (Volleyball, Football) and outdoor activities (Hiking, Trekking - Since 2023 I am member of the Italian Alpine Club).

Thanks to the volunteering at the 'Associazione di Protezione Civile' (Civil Protection Association) of Comune di Quiliano, I have competences in anti-forest fires, missing searches, use of radio devices and assistance in case of hydro-geological events.

Since 2014, I have been organizer of recreational and educational activities for kids and teenagers in para-scout groups.