



Carlotta Cozzani

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Gender: Female **Date of birth:** 30/04/1997 **Nationality:** Italian

ABOUT ME

I am a passionate, curious and positive person. I am building my own career as analytical chemist, with a particular interest in chromatography techniques.

I am serious, detail-focused, hard-working, enthusiastic, and am looking forward to new experiences and further learning and development. I am confident in a laboratory and in a team and get pleasure from sharing ideas and experience. Over the years, I have benefitted from a wide variety of different job experiences, in diverse areas; these gave me useful manual skills, patience and accuracy.

WORK EXPERIENCE

[04/11/2024 – 29/10/2027] **PhD student**

IFP Energies Nouvelles (IFPEN) <https://www.ifpenergiesnouvelles.fr/>

Address: Rond-point de l'échangeur de Solaize, 69360 Solaize

Institut de Combustion Aérothermique Réactivité Environnement (ICARE)
<https://icare.cnrs.fr/>

Address: 1C Av. de la Recherche Scientifique, 45100 Orléans

Email address: carlotta.cozzani@ifpen.fr

Name of unit or department: R10, Direction Mobilité et Systèmes

Business or sector: Analytical and environmental chemistry PhD student, developing a << in lab >> methodology per the analysis of primary and secondary emissions due to aviation fuel combustion with the objective of understanding predicting the correlation between chemical composition of fuel and emissions.

Thesis title: “Impact of hydrocarbons chemistry on secondary organic aerosol properties”

[01/06/2023 – 31/05/2024] **Intern**

International Atomic Energy Agency (IAEA) <https://www.iaea.org/>

Address: Wagramer strasse 5, 1220, Vienna, Österreichisches Forschungszentrum, 2444 Seibersdorf, Vienna, Austria

Email address: c.cozzani@iaea.org

Name of unit or department: Food Safety and Control Laboratory

Business or sector: Analytical chemist in the Food Safety and Control Laboratory:

- Sample preparation and analytical analysis of pesticides and aflatoxins in maize, millet and turmeric using LC-MS/MS and GC/MS
- Method validation for fumonisins in maize and millet
- FTNIR of different samples: rice, millet
- Spectral imaging of millet sample
- XRF of millet sample
- IRMS of rice sample
- ANOVA data analysis (PCA and others)

[01/03/2022 – 15/12/2022] **Master student and researcher**

Institute of Natural Science and Technology for Arts (INTK)
<https://www.akbild.ac.at/en/institutes/natural-sciences-and-technology-in-the-art/institute>

Address: Augasse 2-6, 1090, Vienna, 1090, Vienna, Austria

Business or sector: Lab researcher for master thesis:

- samples preparation
- samples aging

- samples analysis (Colorimetry, Digital Microscope, Pyrolysis GC/MS, FTIR in transmission and ATR mode)
- literature research

[01/11/2021 – 23/02/2022] **Kitchen assistant**

Mc'Donalds

Address: Via Variante Aurelia, 49, 19038 Sarzana SP, Italia, 19038, Sarzana, Italy

Due to Covid19 I was attending my third semester of master's degree online, so I decided to have a work experience and earn some money. I quit before moving to Vienna for the Erasmus+ program started on March 2022 (Master's Thesis lab experience).

EDUCATION AND TRAINING

[28/09/2020 – 15/12/2022] **Master Degree**

University of Padova <https://www.unipd.it/>

City: Padova

Country: Italy

Field(s) of study: Chemistry

Final grade: 110/110

Thesis: *“Blended Thitsiol/Urushiol Asian lacquers in Cultural Heritage: curing, aging, and photo-aging study by THM-Py-GC/MS and other techniques”*

Master's degree in chemistry with a specialization in Analytical Chemistry: analysis of pollutants in air and waters, statistic data analysis, analytical techniques.

For my master's thesis I spent 10 months at the Institute of Natural Science and Technology for Arts INTK (Academy of Fine Arts, Vienna) studying the aging and degradation process of pure and blended thitsi and urushi (Asian lacquers) using Pyrolysis-GC/MS, FTIR (ATR and transmission mode), Colorimetry and Digital Microscope.

[28/09/2020 – 15/12/2022] **Bachelor Degree**

University of Padova <https://www.unipd.it/>

City: Padova

Country: Italy

Field(s) of study: Chemistry

[15/09/2011 – 15/07/2016] **Scientific High School Degree**

Liceo Scientifico Antonio Pacinotti <https://www.liceopacinotti.edu.it/>

City: La Spezia

Country: Italy

Field(s) of study: Science

Final grade: 96/100

High School Program:

- Math
- Physic
- Chemistry
- Biology
- Italian literature
- Latin
- History of art and technical design
- Philosophy
- History
- English grammar and literature
- Sport

Extra curriculum activities:

- Mathematical Olympic Games
- Social volunteer
- Shakespearian drama company: for three years playing as support role/main role in three Shakespearian tragedies (Merchant of Venice, Hamlet, Macbeth)
- Winner for the Best Presentation of a Novel Book (Sherlock Holmes: The Hound of the Baskervilles)

LANGUAGE SKILLS

Mother tongue: Italian

Other languages:

English

LISTENING C1 **READING** C1 **WRITING** C1

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

French

LISTENING A1 **READING** A1 **WRITING** A1

SPOKEN PRODUCTION A1 **SPOKEN INTERACTION** A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Microsoft Office | Microsoft Word | Microsoft PowerPoint | Microsoft Excel | Outlook
| Google Docs | Skype | Zoom | Google Drive | LinkedIn

DRIVING LICENCE

Cars: B

COMMUNICATION AND INTERPERSONAL SKILLS

I feel comfortable in giving a speech or having a conversation, even in front of a large audience or with unknown people. I am a sociable and outgoing person, and, in the past, I had several occasions to demonstrate it. When I was only 12-year-old I gave a presentation in front of the commission and president of the main local bank about a scholar project I developed together with my classmates. The first high school year I won the prize for the best presentation of a novel book and the following years I played in English language in three Shakespearian dramas in front of more than 700 people thanks to the school drama company.

VOLUNTEERING

[2017 – 2020] **LIBERA - Associazioni, nomi e numeri contro le mafie**

LIBERA is an Italian association, founded in 1995 after "Capaci" and "Via d'Amelio" massacres where magistrates Falcone and Borsellino were killed with their escorts by mafia association "Cosa Nostra".

As a LIBERA volunteer, I went in several middle and high school for teaching the history and meaning of mafia and sharing with young generation the anti-mafia values and prevention.

I also helped in the organization of different social and public events usually offered by LIBERA to the community before the National Day in Memory of Mafia Victims.

HOBBIES AND INTERESTS

I consider myself a multidisciplinary person, with hobbies and interests in different fields. My greatest passion is writing poems and novels. I love going to cinema, theatre, opera or museums. In my free time I also like reading, shopping, doing puzzle or solving math problems. I often attend scientific events or cultural gathering.

But I really enjoy social life to: I like spending time with friends, trying always different restaurant and cousins from all over the world, going to the beach during summer or having a walk in the nature. I played volleyball for almost ten years when I was a teenager and now, I like playing beach volley sometimes. I also ski since I was 4-year-old and I really like trekking. I love travelling and meeting people with completely different cultures.