

CATERINA ZUFFA

CHEMIST AND CRYSTALLOGRAPHER



MY BACKGROUND

I am a PhD chemistry student with excellent communication skills, both written and oral. I am working in the Crystal Engineering, Photochemistry, Electrochemical studies and characterization field.

RESEARCH SKILLS

- Knowledge in Chemistry
- Microsoft Office Programs
- Editing copy
- Research and data collection and encoding
- Data assessment and presentation
- X-ray diffractometer user and able to analyze the results
- Experience in mechanochemical synthesis

SPOKEN LANGUAGES

- Italian, native language
- English, first language, B2 level
- French, second language, B2 level

MY CONTACT DETAILS

caterina.zuffa@unibo.it
Mobile No.: +39 3398393603

MY EXPERIENCE

Teaching tutor

University of Bologna | Nov 2022 - Dic 2022

Teaching tutor for the laboratory of the third year material chemistry course (for the bachelor degree course in chemical sciences)

University of Bologna | Nov 2021 - Dic 2021

Teaching tutor for the laboratory of the first year chemistry course (for the bachelor degree course in geological sciences)

Private lessons tutor

2022

Private lessons tutor for high school and university students

Intern

Confcommercio Ascom - Bologna | Jun 2015 - July 2015

I organized events for costumers and done secretarial work. Done archiving and checking documents on the food safety of client companies.

Intern

Il Resto del Carlino | Jun 2014 - Jul 2014

I wrote journalistic articles published on the online paper. Laid out the pages of the paper newspaper.

PUBLICATIONS

June 2022

-Published an article on Faraday Discussions journal (DOI <https://doi.org/10.1039/D2FD00093H>) and discussed it in the conference event "Mechanochemistry: Fundamentals, applications and future Faraday Discussion" in Cambridge, UK, on September 2022. The discussion is published here <https://doi.org/10.1039/D2FD90084J>.

VOLUNTEER PROJECTS

- Help for homework to elementary school children during lockdown

MY EDUCATION

TOPAS school

May 2022

-Participated to the TOPAS intensive course during the EPDIC event in Sibenik, Croatia

RIGAKU school for practical crystallography

Jan 2022

-Participated to the RIGAKU school for practical crystallography and passed the exam with honors on 26th January, 2022

Alma Mater Studiorum - University of Bologna

ULB - Université Libre de Bruxelles

2019 - 2021

- Completed the Masters in Photochemistry and Molecular Materials
- Wrote a thesis in Crystal engineering whose title is "Attempt of direct deracemization towards a specific enantiomer using ferromagnetic substrates"
-Thesis project done at the ULB in Brussels during the Erasmus for Traineeship experience under the supervision of Professor Yves Geerts

Alma Mater Studiorum - University of Bologna

2016 - 2019

- Completed the Bachelor in Chimica e Chimica dei Materiali
- Wrote a thesis in Crystal Engineering whose title is "Sintesi meccanochimica e caratterizzazione strutturale di polimeri di coordinazione a base di AgCl" under the supervision of Professor Lucia Maini

Liceo Scientifico Statale "Enrico Fermi"

2011 - 2016

- High School Graduation