

CHIARA CANOVI



Graduated with a Master's degree in Chemical Sciences and currently pursuing a PhD in Materials Engineering, I have an active interest in sustainability and green technology. My research focuses on developing innovative systems for the degradation of nanoplastics, providing practical and effective solutions for industries. Thanks to my solid background in chemistry and advanced engineering skills in material synthesis and characterization, I possess excellent problem-solving abilities. I advocate continuous learning, which I apply to achieve my professional and personal goals.

CONTACTS



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Reggio Emilia (RE), Italy

EDUCATION

- **MASTER'S DEGREE IN CHEMICAL SCIENCES**

University of Modena and Reggio Emilia
Oct 2020 - Feb 2023

Final grade: 110/110

- **BACHELOR'S DEGREE IN CHEMISTRY**

University of Modena and Reggio Emilia
Oct 2016 - Apr 2020

- **HIGH SCHOOL DIPLOMA IN CLASSICAL STUDIES**

Liceo Ariosto Spallanzani - Reggio Emilia
Sep 2011 - Jul 2016

WORK EXPERIENCE

Nov 2023 - Current

- **PhD student in Materials Engineering**

University of Modena and Reggio Emilia - Department of Engineering "Enzo Ferrari" - Modena, Italy

Development of innovative and efficient materials with photocatalytic properties for the degradation of microplastics and nanoplastics in industrial wastewater treatment plants.

May 2023 - Sep 2023

- **Professional Internship Overseas**

Curtin University - School of Molecular and Life Sciences - Perth, Australia

Organic synthesis of new substituted oxadiazolylpyridyl derivatives and complexation with lanthanides for the potential use as advanced optical materials.

- Characterization of compounds by IR spectroscopy, ¹H-NMR, ¹³C-NMR.
- Optimization of reaction conditions for targeted molecules.

May 2022 - Feb 2023

- **Curricular Internship**

University of Modena and Reggio Emilia - Department of Chemical and Geological Sciences - Modena, Italy

Development and characterization of a family of copper(II) complexes carrying tridentate Schiff bases with steric and electronic properties and having antitumor activity.

Oct 2022 - Dic 2023

- **Tutor Activities**

University of Modena and Reggio Emilia - Department of Chemical and Geological Sciences - Modena, Italy

Inorganic Chemistry Laboratory support activities for students in the Chemistry degree program.

Aug 2020 - Oct 2020

LANGUAGES

- **ENGLISH**

Jul 2020

First Certificate - Level B2

INTERESTS



- **Professional Internship Overseas**

University for Natural Resources and Life Sciences (BOKU) - **Vienna, Austria**

Cloning, expression and purification of coproporphyrin ferrochelatase. Determination of secondary structure and thermostability, determination of substrate to protein binding stoichiometries under anaerobic conditions.

Nov 2019 - Apr 2020

- **Curricular Internship**

University of Modena and Reggio Emilia - Department of Chemical and Geological Sciences - **Modena, Italy**

Structural modifications of tridentate ligands Schiff base-type for copper(II) complexation: synthetic, spectroscopic and structural studies.

COURSES

Jul 2024 - Oct 2024

- **Green Packaging Design**

New skills to support sustainable and resilient development

Dic 2023

- **Data analysis and visualization tools**

Big data analysis and visualization