ANDREA PELLEGRINI

Contact

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IT Competences

- Microsoft Suite Office
- MestreNova, ChemDraw Suite
- Adobe Cloud Softwares
- Computational Softwares: Gaussian/GaussView, ORCA

Coding skills

- Python (SciPy, Pandas, Matplotlib, Django)
- HTML/CSS/JS and SQL
- LaTeX
- BASH

Language

Italian	
English	B2/C1
Spanish	B1

Hobbies

Swimming · Photography · Coding · Travelling

27 Feb. 2023

About Me

I am an Industrial chemist interested in unravelling the organic reaction mechanisms.
People describe me as patient, persevering, and disciplined but always open to interfacing with a team which I can learn and collaborate with efficiently.

Education

2020-22
University of Bologna
LM-71
Master's degree in **Industrial Chemistry** with a special focus on computational modeling of organic reactions and materials.
Final grade: **110/110 cum laude**

2017-20
University of Bologna
L-27
Bachelor's degree in **Industrial Chemistry** with a focus on organic synthesis.
Final grade: **110/110 cum laude**

Experiences

- **Oct. 2022 - Now: Research Scholarship**

  Alma Mater Studiorum University of Bologna
  Computational investigation on atroposelective reactions

- **2021 - 2022: Tutor of the Industrial Chemistry bachelor's degree course**

- **March-July 2022: Curricular Internship**

  Alma Mater Studiorum University of Bologna
  Computational investigation of a stereoselective synthesis of atropisomeric hydrazides possessing an N–N stereogenic axis

- **2019 - 2022: Student elected representative in "Dipartimento Toso Montanari Chimica Industriale – Università di Bologna"**

- **2019 - 2020: Student elected representative in "Chimica Industriale L – Università di Bologna"**

- **2019 - 2022: President of the student association "Oasi Felice"**

- **March-July 2020: Curricular Internship**

  Alma Mater Studiorum University of Bologna
  Methodologies for the synthesis of axial chirality compounds

- **June-July 2017: Erasums+ Project**

  CQS Salud Madrid
  Blood, urine and fecis analysis during my high school period.

Pubblications

- Synthesis of Atropisomeric Hydrazides by One-Pot Sequential Enantioselective and Diastereoselective Catalysis, **Angew. Chem. Int.**, 2022. DOI: 10.1002/anie.202209895

Other Relevant

During my last internship, I supervised a Bachelor's student during her internship and during the writing of her thesis.