Lo Chiano Martina

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Lyon, France

March 21, 1998

SKILLS & COMPETENCIES:

- Organizational and planning skills
- Time and deadline management
- Flexibility, adaptability, and initiative
- Teamwork and goal-oriented approach
- Driver's license B

LANGUAGES:

- Italian (native)
- English (B2)
- French (B1)

DIGITAL SKILLS:

- Proficient in Microsoft Office Suite (Word, Excel, PowerPoint)
- Basic knowledge of AutoCAD

PUBBLICATIONS

Alberini, F., Lo Chiano, M. (2025). Characterization of a Single-Use Bioreactor for Pharmaceutical Applications for the Mixing of Non-Newtonian Fluids. Chemical Engineering Transactions, 117, 1177–1182. https://doi.org/10.3303/CET25117197

TRAINING:

- **PhD in Chemical Engineering "Understanding polymer dissolution: studying the impact of hydrodynamics at different scales"**

IFP Energies nouvelles (IFPEN), Lyon (France), October 2024 – Present

- **Master's Degree in Industrial Chemistry**

Alma Mater Studiorum Bologna, October 2022 – October 2024

- **Bachelor's Degree in Industrial Chemistry**

University of Catania (Italy), October 2017 – March 2022

- **Diploma as an Industrial and Artisan Production Technician**

I.P.I.A. Ettore Majorana Gela (Italy), 2012 – 2017

- **Certificate as a Chemical-Biological Operator**

I.P.I.A. Ettore Majorana, Gela (Italy), 2014

EXPERIENCE & INTERNSHIPS:

- **Intern at the Chemical Engineering Group, University of Bologna**

The research project focused on optimizing energy consumption and mixing performance in a single-use bioreactor for pharmaceutical applications, particularly for non-Newtonian fluids.
Key responsibilities:
– Torque measurement
– Monitoring of mixing and dissolution times using ERT
– Rheological characterization of non-Newtonian formulations
– Vortex analysis using MATLAB

- **Industrial Chemistry Internship in the Field of Process Engineering**

Eni Biorefinery in Gela, 10/2021 – 01/2022

Studied the transition from traditional refining to biorefining processes; analyzed biofuel production steps and performed routine analyses on raw and processed materials.

FURTHER INFORMATION AND OTHER ACTIVITIES:

- **Participation in the "Women in Motion" (WIM) project**

A project supported by Ferrovie dello Stato and Italian companies to promote female careers in technical fields, selecting 20 students, one from each region.

- **School-Work Alternation at the former Eni Refinery in Gela**

Study of the fuel production process with presentations through interactive workshops.

- **Participation in a hands-on workshop at the Job&Orienta fair with Eni.**

Presentation of the interactive workshops organized by Eni at the Job&Orienta fair in Verona.