

## ABOUT ME

**Passionate and detail-oriented chemist** with a strong academic background in physical/inorganic chemistry. Graduated with honors (110/110 cum laude) in the Bachelor's degree in Chemistry and recently completed a Master's degree focused on **electrochemical energy storage**, particularly **Li-O<sub>2</sub> batteries**. Experienced in **experimental research**, with expertise in **electrochemical characterization** (CV, EIS, GCPL), **material analysis** (SEM/EDX, TGA, DSC, FTIR, XRD), and **data interpretation**. Proficient in **spectroscopic and electroanalytical techniques**, as well as in scientific software for modeling and data processing. Analytical, problem-solving oriented, and adaptable, with a deep interest in **sustainable technologies** and **innovative energy solutions**.

## WORK EXPERIENCE

### *ENAM Lab - Sapienza Università di Roma*

City: Roma | Country: Italy

#### [ 19/11/2024 – 15/05/2025 ] **Research Intern – Lithium-Oxygen Battery Development**

- Conducting research on **electrolyte formulations and cathode materials** for LiO<sub>2</sub> batteries.
- Performing **electrochemical characterization** (CV, EIS, galvanostatic cycling) to assess battery performance.
- Utilizing **spectroscopic and material analysis techniques** (NMR, FTIR, XRD, SEM) to study reaction mechanisms.
- Analyzing experimental data and contributing to scientific reports and publications.
- Collaborating on the **Signe project**, focusing on the **study and characterization of membranes for lithium-ion batteries**.
- Using **DiameterJ, ImageJ, SEM, TGA, and DSC** to analyze membrane properties and performance

### *Sapienza Università di Roma*

City: Roma | Country: Italy

#### [ 02/2024 – 09/2024 ] **University Tutor – Chemistry Physics**

- Tutoring students in **Chemistry Physics** for the Biotechnology, Food, and Industrial Degree program.
- Assisting in practical lessons and clarifying key theoretical concepts.

### *Sapienza Università di Roma*

City: Roma | Country: Italy

#### [ 09/2023 – 11/2023 ] **Undergraduate Laboratory Assistant**

- Assisted laboratory activities for **General and Inorganic Chemistry** courses.
- Supported students with laboratory procedures and data analysis.

### *Il Superuovo*

City: Roma | Country: Italy

#### [ 08/2016 – 09/2018 ] **Freelance Journalist**

- Wrote articles on **current affairs, politics, philosophy, and science.**
- Edited and proofread content to ensure clarity and accuracy.

## EDUCATION AND TRAIN-

ING [ 25/10/2021 ] **Bachelor's Degree in Chemistry (110L/110 cum laude)**

**Sapienza Università di Roma** <https://corsidilaurea.uniroma1.it/it/corso/2018/30044/ home>

City: Roma | Country: Italy | | Level in EQF: EQF level 6

[ 15/05/2025 ] **Master's Degree in Chemistry (Physical-Inorganic Chemistry Curriculum)**

**Sapienza Università di Roma** <https://corsidilaurea.uniroma1.it/it/corso/2021/30058/ home>

City: Roma | Country: Italy | | Level in EQF: EQF level 7

## LANGUAGE SKILLS

**Mother tongue(s):** Italian **Other**

**language(s):**

**English**

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1 **Spanish**

LISTENING B1 READING B1 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

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

EIPASS 7modules

## SOCIAL AND POLITICAL ACTIVITIES

[ 2020 – 2024 ] **Student Representative** Roma

- Represented students of the **Faculty of Mathematics, Physics, and Natural Sciences.**
- Participated in academic discussions to improve student experiences.

## DRIVING LICENCE

Cars:

B