



Elisa De Marchi

Nationality: Italian **Date of birth:** 08/03/1994 **Gender:** Female

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Home: Via Raffaello 4/A, 01100 Viterbo (Italy)

ABOUT ME

PhD student with a background in organic chemistry. Experienced in research, data analysis, and project management. My education and laboratory experiences have allowed me to develop skills in the use of various laboratory equipment, including nuclear magnetic resonance (NMR), mass spectrometer (MS), high-performance liquid chromatography (HPLC), gas chromatography (GC), infrared spectroscopy (IR), UV/Vis spectrophotometer, and other organic synthesis tools.

WORK EXPERIENCE

PhD Student in Ecology and Sustainable Management of Environmental Resources (XXXVII cycle)

University of Tuscia [01/01/2022 – Current]

Address: Department of Ecological and Biological Sciences – Largo dell'Università, 01100 Viterbo (Italy)

Topic: Development of innovative and eco-sustainable catalytic procedures for the synthesis of bioactive natural compounds.

Sector: Organic Chemistry

Research Fellowship

University of Florence [01/07/2020 – 31/12/2021]

Address: Department of Chemistry "Ugo Schiff" - Via della Lastruccia, 3 – 13, 50019 Florence (Italy)

Topic: Development of new biocatalytic processes in unconventional solvents with the aim of converting industrial methods for the production of Active Pharmaceutical Ingredients (API).

Sector: Organic Chemistry

Internship of Experimental Thesis

University of Siena [05/05/2019 – 21/04/2020]

Address: Department of Biotechnology, Chemistry and Pharmacy - Via Aldo Moro, 2, 53100 Siena (Italy)

Topic: Synthesis of a linker for the construction of an Antibody-Antibiotic Conjugate (AAC).

Sector: Organic Chemistry

Student Internship

Farmacia del Carmine [01/10/2018 – 19/04/2019]

Address: Via Castello Vetulonia, 20, 01100 Viterbo (Italy)

Activities: dispensation of drugs; preparation of magistral and officinal galenics; public relationship.

Sector: Private Pharmacy

EDUCATION AND TRAINING

PhD Student in Ecology and Sustainable Management of Environmental Resources (XXXVII cycle)

University of Tuscia [01/01/2022 – Current]

Address: Department of Ecological and Biological Sciences – Largo dell'Università, 01100 Viterbo (Italy)

Master's degree in Pharmaceutical Chemistry and Tecnology

University of Siena [01/10/2013 – 21/04/2020]

Address: Department of Biotechnology, Chemistry and Pharmacy - Via Aldo Moro, 2, 53100 Siena (Italy)

High School Diploma

Liceo Scientifico Paolo Ruffini [01/09/2008 – 01/07/2013]

Address: Piazza Dante Alighieri, 13, 01100 Viterbo (Italy)

LICENSES AND CERTIFICATIONS

Pharmacist Professional License

Federation of the Orders of Italian Pharmacists (FOFI)

LANGUAGE SKILLS

Mother tongue(s): **Italian**

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Spanish

LISTENING B2 READING B2 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

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

DIGITAL SKILLS

Microsoft Office / ChemOffice / MestreNova / TopSpin / SciFinder / Reaxys / Chromeleon

Job-related skills

Research / Critical thinking / Time management / Data analysis / Nuclear Magnetic Resonance (NMR) / Mass Spectrometer (MS) / Gas Chromatography (GC) / Infrared Spectroscopy (IR) / High-Performance Liquid Chromatography (HPLC) / UV/Vis Spectrophotometer

PUBLICATIONS

[Asymmetric Reduction of Cyclic Imines by Imine Reductase \(IRED\) Enzymes in Non-conventional Solvents](#)

[2023]

[Synthesis of Artesunic Acid-Coumarin Hybrids as Potential Antimelanoma Agents](#)

[2023]

[A Green Blue LED-Driven Two-Liquid-Phase One-Pot Procedure for the Synthesis of Estrogen-Related Quinol Prodrugs](#)

[2022]

[Enantiodivergent Synthesis of Halofuginone by Candida Antarctica Lipase B \(CAL-B\)-catalyzed Kinetic Resolution in Cyclopentyl Methyl Ether \(CPME\)](#)

[2021]

CONFERENCES AND SEMINARS

6th International Conference on Biocatalysis in Non-Conventional Media (BNCM2021) - Poster Presentation

[Milan, 06/05/2021 – 08/05/2021]

XLI National Conference of the Organic Chemistry Division of the Italian Chemical Society (CDCO2023) - Poster Presentation

[Rome, 10/09/2023 – 14/09/2023]

I authorize the use of my personal data in compliance with the law on the protection of personal data 196/2003.



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