

E|V

EDUARDA VENTURA

MEDICINAL CHEMIST



LANGUAGES

Portuguese



English



Spanish



EDUCATION

MASTER OF SCIENCE

**UNIVERSITY OF COIMBRA
(PORTUGAL) / 2022**

Master's degree in Applied Pharmacology with a **final score of 17/20** completed at the Faculty of Pharmacy of the University of Coimbra

BACHELOR OF SCIENCE

I'm a 24 year old medicinal chemist, **specialist in pharmacology and neurodegenerative diseases**. I developed a master thesis with focus on **Alzheimer's disease** that was awarded a **final score of 19 out of 20** values. My goal is to become a **researcher** within the field of **neurological disorders**.

I'm experienced in **chemical synthesis, UV spectroscopy, chemical and microbiological assays** and **cellular cultures**. My work passion is found in the laboratory, with specific interest in the **development of novel compounds targeting disease mechanisms**.

I consider myself an enthusiastic woman, very **open-minded** and with a great **willingness to learn**.

ACADEMIC BACKGROUND

Jul 2023 - Present
Carregado, Lisbon

PROFESSIONAL INTERNSHIP

Temporary professional internship at the **Quality Control Department** of Somai Pharmaceuticals, Lda, a pharmaceutical start-up that produces cannabis-based products. As a **laboratory analyst**, the role includes performing **chemical and microbiological tests**, as well as **water and environmental monitoring**.

Jan 2023 - Present
Coimbra, Portugal

REVIEW ARTICLE

Research and writing of a review article regarding the **effects of chemical modifications of the curcumin molecule on its biochemical properties and biological activity** (anti-inflammatory and antioxidant activities) in collaboration with **Sónia Silva Santos, Assistant**

UNIVERSITY OF COIMBRA (PORTUGAL) / 2020

Bachelor's degree in **Medicinal Chemistry** granted by the Faculty of Science and Technologies of the University of Coimbra

LINKS

LinkedIn Profile:

<https://www.linkedin.com/in/eduarda-s-ventura/>

ACADEMIC ACHIEVEMENTS

MERIT BOARD

Oct 2022 / University of Coimbra

Took part in the Merit Board of the **top 5% students** in the academic year 2021/2022

MASTER THESIS

Oct 2022 / University of Coimbra

Awarded **19 out of 20** points for my Master's Thesis, in a collaboration between two universities - UC, Coimbra and ISEL, Lisbon

Sep 2021 - Oct 2022
ISEL - Chemical and Biological Engineering
Department, Lisbon

Mar 2020 - Jul 2020
FCTUC - Chemistry
Department, Coimbra

53rd Meeting of the Portuguese Society of Pharmacology

Feb 2023

Chemistry Students Union - University of Coimbra

Feb 2019
Coimbra

Chemistry Students Union - University of Coimbra

Nov 2018
Coimbra

Professor at the Faculty of Pharmacy of the University of Coimbra

MASTER THESIS

Experimental work in the ISELGreen Lab as a part of my Master's thesis with the theme "**Synthesis of Multifunctional Molecules from Curcuminoid Derivatives with Application in Alzheimer's Disease**". The project involved the chemical synthesis, characterization and biological activity evaluation of novel organic compounds using a cellular model.

BACHELOR INTERNSHIP

Experimental work in the Organic Laboratory as a part of my bachelor's internship final report with the theme "**Synthesis of Isatin Derivatives - Application of the Ugi reaction in preparation of novel compounds with potential biological activity**". The project included the chemical synthesis, purification and characterization of novel organic compounds.

EXTRA-CURRICULAR ACTIVITIES

ORAL COMMUNICATION

Public presentation of the research group's work with the theme "**Development of a curcumin derivative: impact on neuroinflammation and beta-amyloid plaques in Alzheimer's Disease in cellular models**"

4TH SCIENTIFIC MEETING - GREEN CHEMISTRY

National congress with the presence of several portuguese scientists who present their research projects. This edition was entitled "**Green Chemistry: Re-thinking Chemistry**"

EMPLOYMENT AND ENTREPRENEUR MARKETPLACE OF THE CHEMISTRY DEPARTMENT

Marketplace within the students community that included **several lectures from chemists and business leaders in the medicinal chemistry field** regarding scientific, corporate and motivational aspects of their business.

SKILLS

Synthesis of Organic Compounds

General Informatic Skills

Microbiological Assays

Compound Characterization by NMR

Molecular Modelling

DRIVING LICENSE

Driving license category
B1, B

FCTUC - Chemistry
Department of the
University of
Coimbra

Apr
2017
Coimbra

5TH NATIONAL MEETING OF CHEMISTRY STUDENTS - ENEQUI

Scientific congress with the purpose of updating chemistry's state of the art, in the industry and society. This edition had the presence and oral communication of the **Nobel Prize laureate crystallographer, Ada E. Yonath.**

WORK EXPERIENCE

Lote 16 Restaurant

Jan 2023 - Present
Cantanhede,
Coimbra

ASSISTANT CHEF

Part-time occupation as a preparation chef in an intimate 50 seats restaurant. Under my guard is the management and application of scientific-based techniques in food preparation with the purpose of enhancing the kitchen's yield and performance.

PAPA Restaurant

Dec 2020 - Jul
2021 Coimbra

KITCHEN ASSISTANT

Part-time occupation as an ingredient and meal preparation assistant, serving up to 180 people in the city center. Tasks included cooking techniques optimization and portion management. Cleaning and organization of the spaces were mandatory, as well as team work ethic.