

GIANNAKAKI MARIA AIKATERINI

Maleme 1, Heraklion, Crete * 6987779449 * chemp1212@edu.chemistry.uoc.gr / maritinagiannakakis@gmail.com

EDUCATION

- 09/2018 – 11/2022 University of Crete, Department of Chemistry
Bachelor in Chemistry (G.P.A: 8.27/10)
Thesis: “Production, Purification and Functional study of 15 - Lipoxygenase (LOX) - 1”
(Supervisor: Eleftheriadis Nikolaos, Assistant Professor in Biochemistry, UoC)
- 10/2023 – Present University of Crete, Department of Chemistry
Master in “Isolation and Synthesis of Bioactive Natural Products”

WORK EXPERIENCE

- 05/2023 - Present Chemistry Teacher - *Private Tutoring school of Poukamisas*
- 09/2018 - Present Supervisor of student’s exams - *Private Tutoring school of Poukamisas*
- 07/2022 - 09/2022 Internship as a Chemist - *VINOBOON AEBE - Alexakis Wines*
Qualitative & Quantitative Analysis of grape must and wine's characteristics
- Spring semester
2019 - 2020 Undergraduate Assistant (Laboratory of General Chemistry)
Department of Chemistry, UoC

PROJECTS

Bachelor Thesis: “Production, Purification and Functional study of 15 - Lipoxygenase (LOX) - 1”

- Application of protein production and purification protocols (Affinity chromatography - Ni column, Ultrafiltration, SDS - PAGE), aiming at improving the efficiency and purity of the enzyme
- Application of protein activity and inhibitory assays (use of MicroPlate Reader - Spectrophotometer), to determine the activity of 15 - LOX - 1, and to discover a novel inhibitor for its action

RESEARCH INTERESTS

Interdisciplinarity in drug design (Organic Chemistry - Biochemistry - Medicinal Chemistry)

- Designing and developing of bioactive compounds and pharmaceuticals, using alternative synthetic pathways
- Monitoring the interaction between a protein and bioactive molecules, using protein dynamics

LANGUAGE & ADDITIONAL SKILLS

<u>Languages:</u> Greek (native)	<u>Informatics:</u> Microsoft (Word, Excel, Powerpoint, Windows)
English, C2	Chemdraw Pro 8.0
German, B1	OriginPro 9.0
	Mercury

AWARDS & HONORS

09/2020 *Legacy of "Chrysanthou & Anastasias Karydi", for undergraduate studies at Chemistry Department, UoC*

SOFT SKILLS

- Sharing knowledge (through supervising and teaching chemistry classes)
- Team spirit (group projects and reports for laboratory classes, working in a team)
- Leadership and responsibility (supervising student's exams)

INTERESTS

- Cooking / Baking
- Reading
- Travelling