



Personal info:

- **Last Name/First Name:** Routsis Efthymios - Alexandros
- **E-mail:** alexroutsis@chem.uoa.gr

Education:

- 2022-/ Ph.D. in Organic Chemistry, Department of Chemistry, NKUA
- 2020-2022 M.Sc. in “Organic Synthesis and its Applications in the Chemical Industry” Department of Chemistry, NKUA (**Grade: 9.92/10**).
- 2016-2020: B.Sc. in Chemistry, Department of Chemistry, NKUA (**Grade: 9.26/10**).

Thesis in Undergraduate Studies:

10/2019 – 07/2020: Title: “Synthesis of Compounds with Potential Anticancer Activity”

Supervisor: Prof. **Georgios Kokotos**, Department of Chemistry, NKUA.

Diploma Thesis:

10/2020 – 07/2022: Title: “Synthesis of benzamide derivatives with possible anticancer activity and theoretical study of the halogen bond”

Supervisor: Prof. **Georgios Kokotos**, Department of Chemistry, NKUA.

Ph.D. Thesis:

10/2022 -/: Title: “Computational and spectroscopic studies of photochemical reactions for applications in Organic Synthetic Photochemistry”

Supervisor: Assoc. Prof. **Christoforos Kokotos**, Department of Chemistry NKUA.

Scientific Interests

- **Computational Organic Chemistry**
Calculation of Ground & Excited States, Potential Energy Curves & Surfaces, Calculation of Interaction Energies, Simulation of Chemical Systems and Mechanisms.
- **Medicinal Chemistry**
Synthesis of Bioactive Compounds with Potential Anticancer Activity
- **Photochemistry**

Awards:

Honorary Diploma from the State Scholarships Foundation (IKY), accompanied by the amount of 1,000 euros, as the best student of the Department of Chemistry NKUA in the period 2016-2020.

Participation at conferences:

- *2nd Athens Summer School on Organic Synthesis 2022*, Department of Chemistry NKUA
- *17th Panhellenic Congress of Clinical Chemistry 2019*, Royal Olympic, Athens.
- *54th Summer School*, EKEFE Democritus, **2019**.
- *Athens Conference of Advances in Chemistry (ACAC)*, **2018**, Department Of Mathematics NKUA.
- *Food Authenticity, Elemental Metabolomics, Chromatographic Fingerprinting and Molecular Techniques*, **2018**, Agricultural University of Athens (AUA).

Computer Skills:

- **Operating Systems:** MS Windows, Unix
- **Applications:** MS Office, GaussView, MarvinSketch, Chemdraw, MestReNova, Avogadro, Gaussian 16, Orca.

Languages:

- Greek: Mother Tongue
- Albanian: Mother Tongue
- English: C2 (University of Michigan)