

GEORGIOS PSARRAS

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EDUCATION

Cyprus University of Technology (CUT)- PhD Candidate **October 2026-present**

- **Department of Mechanical Engineering and Materials Science and Engineering**
Research topic: Synthesis and Characterization of Inorganic/Hybrid (Nano)materials for Technological and Biomedical Applications
Supervisor: Asst. Prof. Melita Menelaou

Aristotle University of Thessaloniki (AUTH)- MSc **October 2023-2026**

- **MSc in Synthetic Chemistry, Biochemistry and Applications**
Thesis: Synthesis, characterization and biological activity of copper(II) and nickel(II) complex compounds with a 6-chloroquinolone derivative
Supervisor: Assoc. Prof. Georgios Psomas, Department of Chemistry, Faculty of Sciences
Grade: 8.78/10 ("Excellent") | Thesis: 10/10
- **Research Focus & Techniques:** Coordination chemistry, Metal-based drug design, Spectroscopy (UV-Vis, FT-IR, fluorescence, NMR), Biomolecular interaction studies (DNA/protein binding), Antimicrobial activity evaluation, Gel electrophoresis DNA cleavage assays, SAR analysis, Scientific communication, Research data analysis.

Aristotle University of Thessaloniki (AUTH)- BSc in Chemistry **2018-2023**

- Thesis: Synthesis, characterization and biological activity of nickel(II) complexes with 3,5-dibromo-salicylaldehyde
Supervisor: Assoc. Prof. Georgios Psomas, Department of Chemistry, Faculty of Sciences
Grade: 7.34/10 ("Very Good") | Thesis: 10/10 Publication:
doi.org/10.3390/inorganics12050138

SCIENTIFIC PRESENTATIONS

- **Synthesis, Characterization, and Biological Activity of Copper(II) and Nickel(II) Coordination Compounds with a 6-Chloroquinolone Derivative** **July 2026**

- 18th European Biological Inorganic Chemistry Conference (EuroBIC 18), University of Groningen, Netherlands (Poster)
- **Synthesis, Characterization, and Biological Evaluation of Copper(II) and Nickel(II) Complexes with a Chloro-substituted Quinolone** **October 2025**
3rd Panhellenic Symposium on Inorganic Chemistry, Association of Greek Chemists, Greece (Poster)
- **Synthesis, Characterization, and Biological Evaluation of Copper(II) and Nickel(II) Complexes with a Chloro-substituted Quinolone** **May 2025**
8th Conference of Undergraduate and Postgraduate Chemistry Students, AUTH, Greece (Oral)
<https://websites.auth.gr/8chemauth/boa/>
- **Copper: An Important Inorganic Antimicrobial Metal** **November 2019**
3rd Chemistry Conference of Graduate, Postgraduate Students and PhD Candidates, AUTH, Greece (Oral)
<https://www.dropbox.com/scl/fi/ah4p1qurz4dg7ql38blok/.pdf?rlkey=iz3seawbqnt524a7eh6k6n9jw&e=1&dl=0>

PUBLICATIONS

- G. Psarras, G. Psomas et al. Synthesis, Spectroscopic Characterization and Biological Study of Nickel(II) Complexes with 3,5-Dibromo-salicylaldehyde Derivatives. Inorganics, 2024.
<https://doi.org/10.3390/inorganics12050138>
- G. Psarras, E. Arnaouti et al. Synthesis, characterization and biological activity of copper(II) and nickel(II) complexes with a 6-chloroquinolone derivative
Manuscript in preparation

CERTIFICATIONS	LANGUAGES	SOFTWARE & TOOLS
CPR & AED (ERC, 2019)	Greek (Native) English (C1) IELTS band score 7.0 (June 2026)	ChemDraw, Origin, Mercury, FL Solutions, OMNIC

VOLUNTEERING & OUTREACH

- **AUTH on Sundays, Aristotle University of Thessaloniki** **2019-2023**
Chemistry experiment demonstrations for students and the public
- **Exam Proctor, Panhellenic Student Chemistry Competition** **2019**
Assisted in the organization and supervision of a national chemistry competition