

Eleni Marina Kasimati

R&D Chemist

About Me

I am a self-motivated chemist who values collaboration with background at the intersection of pharmaceutical applications and chemistry. Currently I am a PhD candidate working at the Institute of Nanoscience & Nanotechnology, NCSR “Demokritos”. My main responsibilities the last three years as a *research associate* include:

- Establish science-driven strategies and procedures for innovative synthesis planning
- Conduct research projects about synthesis optimization and methods for the characterization of novel compounds.
- Analysis and characterization of compounds via NMR spectroscopy, photon correlation spectroscopy (DLS), FT-IR spectroscopy and HPLC chromatography.
- Evaluate results and compose reports regularly, to effectively communicate with manager and peers about the progress of the projects I undertake.

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Further details are available upon request.

Work Experience

May 2021 – Present	QC officer Qualimetrix Athens, Greece
Feb. 2018 – Present	Research Associate INN, NCSR “Demokritos” Athens, Greece

Education

PhD in Supramolecular Chemistry National and Kapodistrian University of Athens, Greece
Mar. 2019 – Present

Doctoral Dissertation: Multifunctional cyclodextrin derivatives for antimicrobial and other applications.

MSc in Drug Discovery and Medicinal Chemistry

University of Birmingham, UK Sep. 2016 – Aug. 2017
Thesis: Discovering new antibiotics from old therapeutics for the treatment of tuberculosis.

BSc in Chemistry

University of Crete, Greece. Sep. 2011 – Jan. 2016
Thesis: Study and design of hybrid systems between porphyrins and laccase (LAC3).

Achievements and Credentials

2022 “A guanidino- γ -cyclodextrin superdimer generates a twin receptor for phosphate dimers assembled by anti-electrostatic hydrogen bonds”, E. Saridakis, **E. M. Kasimati**, K. Yannakopoulou, I. M. Mavridis, *Manuscript under review*.

2020 “Increased antibiotic efficacy and noninvasive monitoring of Staphylococcus epidermis biofilms using per-cysteamine-substituted γ -cyclodextrin-a delivery effect validated by fluorescence microscopy”, H. Thomsen, M. Agnes, O. Uwangue, L. Persson, M. Mattson, F. E. Graf, **E.M. Kasimati**, K. Yannakopoulou, M.B. Ericson and A. Farewell. *Int. J. Pharm.* **2020**, 587, 119646.

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