

THALIA S. LIARGKOVA

PhD · MSc · MPharm · MSc in Healthcare Management

Assistant Professor in Medicinal Chemistry

Pharmacy Programme · Department of Health Sciences · School of Life and Health Sciences · UNIC Athens

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Scopus: 4 publications · 191 citations · h-index 4 (September 2026)

EDUCATION

- 2020–2023 Postdoctoral Research (IKY Fellowship, 2nd Cycle) *Aristotle University of Thessaloniki (AUTH)*
Title: "Design, Synthesis and Biological Study of New Pleiotropic Hybrid Amino- and Mercapto-Pyrimidine Derivatives Exploiting the Enone Moiety"
 - 2012–2016 PhD in Pharmaceutical Chemistry *Aristotle University of Thessaloniki (AUTH)*
Thesis: "Pharmacochemical exploitation of the enone moiety: design, synthesis, biological study and physicochemical characterisation"
Supervisor: Professor Dimitra Hadjipavlou-Litina, Department of Pharmaceutical Chemistry
 - 2010–2012 MSc — Production and Quality Control of Pharmaceutical Compounds *AUTH / NKUA (joint programme)*
Supervisor: Professor Dimitra Hadjipavlou-Litina
 - 2008–2012 MSc — Healthcare Management *Hellenic Open University*
Thesis: "Study of patient satisfaction levels with pharmacy services in Greece and potential improvements"
Supervisor: Dr. Korina Katsaliaki, Hellenic International University
 - 2018–2019 Adult Educators Training Certificate *KEDIVIM-AUTH, Aristotle University of Thessaloniki*
 - 2001–2007 Master of Pharmacy (MPharm / PharmD) *Aristotle University of Thessaloniki (AUTH)*
Pharmaceutical Licence awarded March 2008.
 - 2001 Secondary Education (Ενιαίο Λύκειο) *N. Peraou, Kavala*
- Overall grade: 18.9/20 (Excellent)

ACADEMIC APPOINTMENTS

- 08/2026 – Present Assistant Professor in Medicinal Chemistry *UNIC Athens — Department of Health Sciences*
Teaching: Pharmaceutical Chemistry I (IMPH-240), laboratory courses.
Administrative roles: Event Planning Coordinator (Pharmacy Insight Series); Admissions examiner (Chemistry); Academic Tutor.
- 04/2018 – 07/2018 · 04/2019 – 07/2019 Adjunct Lecturer *School of Pharmacy, Aristotle University of Thessaloniki*

PROFESSIONAL EXPERIENCE

- 03/2022 – 08/2026 Hospital Pharmacist (Head of CDPU) *Hippokration General Hospital, Thessaloniki*
Oncology pharmacy, cytostatic preparation, IV admixture, clinical drug management, inpatient pharmacy services.

- 07/2020 – 10/2021 Pharmacist — EOPYY Community Pharmacy *Thessaloniki*
- 10/2018 – 06/2019 Pharmacist — EOPYY Community Pharmacy *Thessaloniki*
- 12/2011 – 03/2018 Responsible Pharmacist — Private Community Pharmacy *Thessaloniki*
- 01/2008 – 11/2011 Pharmacist — Private Community Pharmacies *Thessaloniki*
- 01/2006 – 01/2007 Pharmacy Internship *Theageneio Cancer Hospital, Thessaloniki* (01/2006–04/2006) • *Private pharmacy* (05/2006–01/2007)

RESEARCH INTERESTS

Multitarget-directed ligand (MTDL) design • Hybrid molecule synthesis • Structure-Activity Relationships (SAR) • 2D-QSAR • Ferroptosis modulation • Neurodegeneration (Alzheimer's disease, Parkinson's disease) • Antioxidant/anti-inflammatory compounds • Flavonoids and quercetin pharmacophores • Molecular docking (AutoDock Vina) • ADMET prediction.

RESEARCH FUNDING

- 2020–2023 IKY Postdoctoral Fellowship (2nd Cycle) *State Scholarships Foundation of Greece*

"Design, Synthesis and Biological Study of New Pleiotropic Hybrid Amino- and Mercapto-Pyrimidine Derivatives Exploiting the Enone Moiety." Role: Principal Researcher.

PUBLICATIONS

Scopus metrics (September 2026): 4 publications • 191 citations • h-index 4

Peer-reviewed Journal Articles

- Liargkova T, Eleftheriadis N, Dekker F, Voulgari E, Avgoustakis C, Sagnou M, Mavroidi B, Pelecanou M, Hadjipavlou-Litina D.

"Small Multitarget Molecules Incorporating the Enone Moiety." *Molecules*. 2019;24(1):199. DOI: 10.3390/molecules24010199

- Liargkova T, Hadjipavlou-Litina DJ, Koukoulitsa C, Voulgari E, Avgoustakis C.

"Simple chalcones and bis-chalcones ethers as possible pleiotropic agents." *J Enzyme Inhib Med Chem*. 2016;31(2):1-12. DOI: 10.3109/14756366.2015.1021253

- Kostopoulou I, Tzani A, Polyzos NI, Karadendrou MA, Kritsi E, Pontiki E, Liargkova T, Hadjipavlou-Litina D, Zoumpoulakis P, Detsi A.

"Exploring the 2'-Hydroxy-Chalcone Framework for the Development of Dual Antioxidant and Soybean Lipoxigenase Inhibitory Agents." *Molecules*. 2021;26(9):2777. DOI: 10.3390/molecules26092777

- Roussaki M, Zelianeos C, Hamilakis S, Hadjipavlou-Litina D, Kontogiorgis C, Liargkova T, Detsi A.

"Structural modifications of coumarin derivatives: Determination of Antioxidant and Lipoxigenase (LOX) inhibitory activity." *Bioorg Med Chem Lett*. 2014;22(23):6586-94. DOI: 10.1016/j.bmcl.2012.09.009

AWARDS & DISTINCTIONS

- 2016 Travel Fellowship *Hellenic Society of Medicinal Chemistry (ΕΕΦΧ)*

24th International Symposium on Medicinal Chemistry, Manchester, UK, August 28 – September 1, 2016.

- 2013 Best Written Poster Award

"Design, Synthesis and Biological Evaluation of Heterocyclic Chalcones." 16th Panhellenic Pharmaceutical Conference "Medicine as Remedy to the Crisis", Athens, Greece, May 31 – June 3, 2013 (P1012).

INVITED LECTURES

Invited speaker at the AUTH School of Pharmacy Practical Training Seminars (2012–2018):

- 10/12/2012, 10/12/2013, 16/12/2015, 14/05/2018 — "Application of Management Principles in Pharmacy Practice"
- 17/12/2012, 17/12/2013 — "Customer/Patient Service and Satisfaction in the Modern Pharmacy"

INTERNATIONAL CONFERENCE PRESENTATIONS

Oral Presentations

- Liargkova T, Koliopoulos G, Hadjipavlou-Litina D.

"Design, Synthesis and Biological Evaluation of Chalcones and Aurones with Possible Anti-Inflammatory and Insect Antifeedant Activities." 3rd Meeting of the Paul Ehrlich MedChem Euro-PhD Network, Cagliari, Italy, 27–29 September 2013.

- Liargkova T, Hadjipavlou-Litina D.

"Design, Synthesis and Biological Evaluation of Enonic Compounds." 21st Young Research Fellow Meeting, Montpellier, France, 24–25 March 2014.

- Liargkova T, Hadjipavlou-Litina D.

"New Cinamic and Enone Pleiotropic Hybrids." 22nd Panhellenic Chemistry Conference, Thessaloniki, Greece, 2–3 December 2016.

Poster Presentations — International

- Liargkova T, Hadjipavlou-Litina D.

"Using 2D-QSAR as a Tool in the Design of Biologically Active Enonic Compounds." 19th EuroQSAR Symposium, Vienna, Austria, August 26–30, 2012.

- Liargkova T, Koliopoulos G, Hadjipavlou-Litina D.

"Design, Synthesis and Biological Evaluation of Enone Derivatives." 22nd International Symposium on Medicinal Chemistry (EFMC-ISM), Berlin, Germany, September 2–6, 2012.

- Kavetsou E, Roussaki M, Liargkova T, Pontiki E, Hadjipavlou-Litina D, Detsi A.

"Design and Synthesis of Novel Coumarin Analogues with Antioxidant and Anti-Inflammatory Activity." 6th International Conference on Oxidative Stress in Skin Medicine and Biology, Andros, Greece, 28–31 August 2014.

- Liargkova T, Hadjipavlou-Litina D.

"Bis-Cinnamate Enones with Possible Anti-Alzheimer Profile." 1st Young Medicinal Chemist Symposium, Lisbon, Portugal, 12 September 2014.

- Liargkova T, Koukoulitsa C, Hadjipavlou-Litina D.

"Bis-Substituted Enone Derivatives with Possible Anti-Alzheimer Profile." 1st International Congress: From Drug Discovery to Drug Delivery, Athens, Greece, 13–15 November 2014.

- Liargkova T, Hadjipavlou-Litina D.

"Cinnamate Enones with Possible Anti-Alzheimer Profile." IXth Joint Meeting in Medicinal Chemistry, Athens, Greece, 7–10 June 2015.

- Liargkova T, Hadjipavlou-Litina D.

"Combining Cinnamate and Enone Scaffolds within New Biologically Active Hybrids." 24th International Symposium on Medicinal Chemistry (EFMC-ISM), Manchester, UK, August 28 – September 1, 2016.

- Liargkova T, Hadjipavlou-Litina D.

"New Biological Active Hybrids Combining Enone and Pyrimidine Scaffolds." XXVI EFMC International Symposium on Medicinal Chemistry (EFMC-ISM), Basel, Switzerland, September 6–10, 2020.

- Liargkova T, Hadjipavlou-Litina D.

"New Anti-Alzheimer Biological Active Hybrids Combining Enone and Pyrimidine Scaffolds." 7th EFMC Young Medicinal Chemist Symposium, Basel, Switzerland, September 10–11, 2020.

- Liargkova T, Hadjipavlou-Litina D.

"New Biological Active Hybrids Combining Enone Moiety and Amino-Pyrimidine and Mercapto-Pyrimidine Scaffold." 18th Hellenic Symposium on Medicinal Chemistry (HSMC-18), Athens, Greece, 25–27 February 2021 (Online).

- Liargkova T, Hadjipavlou-Litina D.

"New Amino- and Mercapto-Pyrimidine Derivatives with Pleiotropic Biological Activities." 19th Hellenic Symposium on Medicinal Chemistry (HSMC-19), Patra, Greece, March 9–11, 2023.

- Liargkova T, Hadjipavlou-Litina D.

"New Enone Derivatives and Amino-Pyrimidines with Pleiotropic Biological Activities." IX EFMC International Symposium on Advances in Synthetic and Medicinal Chemistry (EFMC-ASMC 2023), Zagreb, Croatia, September 3–7, 2023.

- Liargkova T, Hadjipavlou-Litina D.

"New Enone Derivatives and Mercapto-Pyrimidines with Pleiotropic Biological Activities." 16th International Symposium on Applied Bioinorganic Chemistry (16th ISABC), Ioannina, Greece, June 11–14, 2023.

- Participation.

WFH 2024 World Congress on Haemophilia, Madrid, Spain, April 21–24, 2024.

- Participation.

6th Summer School on Drug Design, Vienna, Austria, September 11–16, 2011.

NATIONAL CONFERENCE PRESENTATIONS

- Liargkova T, Hadjipavlou-Litina D.

"Design, Synthesis and Biological Evaluation of Enonic Compounds." 21st Panhellenic Chemistry Conference, Thessaloniki, Greece, December 9–12, 2011.

- Liargkova T, Hadjipavlou-Litina D. / collaborative presentations.

15th Hellenic Symposium on Medicinal Chemistry, Athens, Greece, 25–27 May 2012. (3 presentations as co-author; 1 as first author)

- Liargkova T, Hadjipavlou-Litina D.

"Enonic Compounds with Antioxidant Properties." 8th Panhellenic Conference on Free Radicals and Oxidative Stress, Thessaloniki, Greece, October 12–14, 2012.

- Liargkova T, Hadjipavlou-Litina D.

"Design, Synthesis and Biological Evaluation of Enonic Compounds." 14th Conference on Medicinal Chemistry, Patras, Greece, May 13–15, 2013.

- Liargkova T, Hadjipavlou-Litina D.

"Design, Synthesis and Biological Evaluation of Heterocyclic Chalcones." 16th Panhellenic Pharmaceutical Congress, Athens, Greece, May 31 – June 3, 2013. [Best Poster Award]

- Liargkova T, Hadjipavlou-Litina D.

"Design, Synthesis and Biological Evaluation of Enonic Compounds." 2nd Pharmaceutical Sciences Conference, Patra, Greece, October 9–11, 2014.

- Liargkova T, Hadjipavlou-Litina D.

"Design, Synthesis and Biological Evaluation of Enonic Compounds." 12th Greece-Cyprus Chemistry Conference, Thessaloniki, Greece, May 8–10, 2015.

- Liargkova T et al.

"Combining Cinnamate and Enone Scaffolds within New Anti-Alzheimer Biologically Active Hybrids." 17th Hellenic Symposium on Medicinal Chemistry, Thessaloniki, Greece, June 1–3, 2017.

- Liargkova T, Hadjipavlou-Litina D.

"New Biological Active Hybrids Combining Enone Moiety and Amino-Pyrimidine Scaffold." 18th Hellenic Symposium on Medicinal Chemistry (HSMC-18), Athens, Greece, May 7–9, 2020.

PROFESSIONAL MEMBERSHIPS & REGISTRATIONS

- Hellenic Society of Medicinal Chemistry (ΕΕΦΧ) *Member*
- European Federation for Medicinal Chemistry (EFMC) *Member*

LANGUAGES

Greek:	Native
English:	Proficient (C2 level — ECPE, Michigan)
Italian:	Advanced (C2 level)

TECHNICAL SKILLS

- Organic synthesis: *Claisen-Schmidt condensation, Williamson ether synthesis, SNAr, EDC/NHS coupling, microwave-assisted synthesis, ultrasound-assisted synthesis*
 - Analytical techniques: *NMR (¹H, ¹³C), MS (ESI, MALDI), IR, HPLC, UV-Vis spectrophotometry, TLC, RP-TLC*
 - Biological assays: *AChE/BuChE inhibition (Ellman), LOX inhibition, DPPH/AAPH antioxidant assays, MTT cell viability, lipid peroxidation*
 - Computational tools: *AutoDock Vina, SwissADME, pkCSM, Chem3D, ChemDraw*
 - Scopus/PubMed: *Systematic literature search and bibliometric analysis*
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