

# KONSTANTINOS LIARAS

## Assistant Professor of Medicinal Chemistry

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## ACADEMIC PROFILE

Pharmacist and medicinal chemist with a Pharmacy degree, MSc and PhD in Medicinal Chemistry from Aristotle University of Thessaloniki. Currently Assistant Professor of Medicinal Chemistry at the University of Nicosia, UNIC Athens. Research interests include the design, synthesis and biological evaluation of heterocyclic compounds with antimicrobial, anti-inflammatory and antioxidant activity, together with structure–activity relationship (SAR) studies. Experienced in university teaching, postgraduate supervision, community pharmacy practice and professional pharmaceutical representation. Author of peer-reviewed research articles and the scientific book Antifungal Compounds Discovery: Natural and Synthetic Approaches. Reviewer for international scientific journals, with additional editorial activities and experience in research-proposal evaluation.

## ACADEMIC AND PROFESSIONAL APPOINTMENTS

**Assistant Professor of Medicinal Chemistry — UNIC Athens** | 09/2026 – Present | Athens, Greece

- Teaching and academic duties in Medicinal Chemistry and related chemistry subjects within the Department of Health Sciences.
- Participation in research, student support, assessment and academic activities of the School of Life and Health Sciences.

**Adjunct Faculty — UNIC Athens** | 11/2025 – 08/2026 | Athens, Greece

- Supervised Chemistry laboratory sessions for the MPharm programme.
- Developed course materials, lectures and assessments tailored to pharmacy students.
- Ensured adherence to laboratory health and safety standards.

**Adjunct Faculty — University of Nicosia** | 10/2021 – Present | Nicosia, Cyprus

- Prepared and taught distance-learning courses for the MSc in Drug Regulatory Affairs.
- Developed course materials, lectures and assessments for postgraduate students.
- Supervised Master's theses and research projects and provided academic mentoring.

**CEO, Pharmacist — Liaras Pharmacy** | 12/2009 – Present | Kilkis, Greece

- Scientific and financial administration.
- Overall organisation and planning.

**Author — Self-employed / Book contract with Elsevier** | 05/2018 – Present

- Author of the scientific book "Antifungal Compounds Discovery: Natural and Synthetic Approaches".

**Professor, Pharmacy Technician Programme — EPAS-OAED** | 10/2016 – 06/2017 | Kilkis, Greece

- Taught Medicinal Chemistry and Pharmacology.

**Hospital Pharmacist — 424 Military Hospital – Greek Army** | 02/2012 – 10/2012 | Thessaloniki, Greece

- Conscript military pharmacist responsible for the administration of medicines.

## EDUCATION AND TRAINING

**PhD in Pharmacy (Medicinal Chemistry), Grade 10/10 (Excellent) — Aristotle University of Thessaloniki** | 10/2010 – 16/12/2014 | Thessaloniki, Greece

- EQF Level 8.

**MSc in Medicinal Chemistry, Grade 9.52/10 (Excellent) — Aristotle University of Thessaloniki** | 10/2008 – 25/06/2010 | Thessaloniki, Greece

- EQF Level 7.

**Pharmacy Degree, Grade 6.11/10 (Good) — Aristotle University of Thessaloniki** | 10/2001 – 21/07/2008 | Thessaloniki, Greece

- EQF Level 6.

## LANGUAGE SKILLS

**Greek:** Mother tongue

**English:** C2 – Listening, Reading, Spoken Production, Spoken Interaction, Writing

## RESEARCH PUBLICATIONS

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- Georgiou S, Ipeirotis M, Peletidi A, Rallis G, Liaras K. Targeting Bacterial Biofilms in Antimicrobial Resistance: Emerging Therapeutic Approaches and Clinical Challenges. *Bacteria*. 2026. Submitted / Under review.
- Liaras K, Roviello GN, Petrou C, Sarigiannis Y. Marine-Derived Compounds Against WHO Critical Priority Fungal Pathogens *Candida albicans* and *Candidozyma auris*: Recent Advances in Antifungal Research (2021–2026). *Appl Biosci*. 2026. 5(4):91. doi:10.3390/applbiosci5040091.
- Peletidi A, Petrides M, Birlirakis V, Klimentidis D, Liaras K, Petrou C. Advanced clinical services in community pharmacies: training challenges and real-world applications – a focus on Greek-speaking countries. *J Pharm Policy Pract*. 2025;18(1):2455066. doi: 10.1080/20523211.2025.2455066.
- Stojković D, Petrović J, Carević T, Soković M, Liaras K. Synthetic and Semisynthetic Compounds as Antibacterials Targeting Virulence Traits in Resistant Strains: A Narrative Updated Review. *Antibiotics (Basel)*. 2023;12(6):963. doi: 10.3390/antibiotics12060963.
- Tratrat C, Haroun M, Xenikakis I, Liaras K, Tsolaki E, Eleftheriou P, Petrou A, Aldhubiab B, Attimarad M, Venugopala KN, Harsha S, Elsewedy HS, Geronikaki A, Soković M. Design, Synthesis, Evaluation of Antimicrobial Activity and Docking Studies of New Thiazole-based Chalcones. *Curr Top Med Chem*. 2019;19(5):356–375. doi: 10.2174/1568026619666190129121933.
- Liaras K, Fesatidou M, Geronikaki A. Thiazoles and Thiazolidinones as COX/LOX Inhibitors. *Molecules*. 2018;23(3):685. doi: 10.3390/molecules23030685.
- Eleftheriou P, Petrou A, Geronikaki A, Liaras K, Dirnali S, Anna M. Prediction of enzyme inhibition and mode of inhibitory action based on calculation of distances between hydrogen bond donor/acceptor groups of the molecule and docking analysis: An application on the discovery of novel effective PTP1B inhibitors. *SAR QSAR Environ Res*. 2015;26(7–9):557–576. doi: 10.1080/1062936X.2015.1074939.
- Liaras K, Geronikaki A, Glamočlija J, Ćirić A, Soković M. Thiazole-based aminopyrimidines and N-phenylpyrazolines as potent antimicrobial agents: synthesis and biological evaluation. *MedChemComm*. 2014;5:915–922. doi: 10.1039/c4md00124a.
- Geronikaki AA, Pitta EP, Liaras KS. Thiazoles and thiazolidinones as antioxidants. *Curr Med Chem*. 2013;20(36):4460–4480. doi: 10.2174/09298673113209990143.
- Apostolidis I, Liaras K, Geronikaki A, Hadjipavlou-Litina D, Gavalas A, Soković M, Glamočlija J, Ćirić A. Synthesis and biological evaluation of some 5-arylidene-2-(1,3-thiazol-2-ylimino)-1,3-thiazolidin-4-ones as dual anti-inflammatory/antimicrobial agents. *Bioorg Med Chem*. 2013;21(2):532–539. doi: 10.1016/j.bmc.2012.10.046.
- Liaras K, Geronikaki A, Glamočlija J, Ćirić A, Soković M. Novel (E)-1-(4-methyl-2-(alkylamino)thiazol-5-yl)-3-arylprop-2-en-1-ones as potent antimicrobial agents. *Bioorg Med Chem*. 2011;19(24):7349–7356. doi: 10.1016/j.bmc.2011.10.059.
- Liaras K, Geronikaki A, Glamočlija J, Ćirić A, Soković M. Thiazole-based chalcones as potent antimicrobial agents. Synthesis and biological evaluation. *Bioorg Med Chem*. 2011;19(10):3135–3140. doi: 10.1016/j.bmc.2011.04.007.

## BOOK PUBLICATION

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**Antifungal Compounds Discovery: Natural and Synthetic Approaches.** Elsevier, 2020.

<https://www.elsevier.com/books/antifungal-compounds-discovery/sokovic/978-0-12-815824-1>

## SELECTED CONFERENCE PRESENTATIONS

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- Synthesis and evaluation of anti-inflammatory activity of non-substituted/substituted (E)-1-(4-methyl-2-(methylamino)thiazol-5-yl)-3-phenylprop-2-en-1-ones. Liaras K, Geronikaki A, Hadjipavlou-Litina D, Sparopoulou D. 13th Panhellenic Symposium of Medicinal Chemistry, Athens, 14–15/03/2008.
- Synthesis of non-substituted/substituted (E)-5-benzylidene-2-(thiazol-2-ylamino)thiazol-4(5H)-ones as potent antibacterial agents. Argyropoulou A, Geronikaki A, Liaras K, Eleftheriou Ph, Soković M. 14th Panhellenic Pharmaceutical Congress, Athens, 09–11/05/2009; and 11th Conference in Advanced Medicinal Chemistry, Thessaloniki, 23–24/05/2009.
- Synthesis of novel non-substituted/substituted (E)-1-(4-methyl-2-(methylamino)thiazol-5-yl)-3-phenylprop-2-en-1-ones as potent antibacterial agents. Liaras K, Fesatidou M, Soković M, Geronikaki A. 6th Eurasian Meeting on Heterocyclic Chemistry, Alicante, Spain, 30/06–04/07/2010.
- Synthesis of non-substituted/substituted (E)-5-benzylidene-2-(thiazol-2-ylamino)thiazol-4(5H)-ones as potent antibacterial agents. Liaras K, Argyropoulou A, Geronikaki A, Soković M. 4th International Conference CBC-2010, St. Petersburg, Russia, 02–06/08/2010.

- Synthesis of novel thiazole-based chalcones as potent antimicrobial agents. Liaras K, Fesatidou M, Ćirić A, Soković M, Glamočlija J, Geronikaki A. 10th SAYCS, Pesaro, Italy, 18–20/10/2010.
- Novel thiazolimino-5-arylidene-4-thiazolidinones as potent antibacterial agents. Estimation of structure–activity relationship. Apostolidis I, Liaras K, Geronikaki A, Soković M, Ćirić A. 12th Conference in Advanced Medicinal Chemistry, Thessaloniki, Greece, 20–21/05/2011.
- Synthesis and evaluation of antimicrobial activity of some thiazole-based chalcones. Liaras K, Xenikakis I, Glamočlija J, Ćirić A, Soković M, Geronikaki A. 47th International Conference on Medicinal Chemistry, RICT 2011, Lyon, France, 06–08/07/2011.
- Synthesis and biological evaluation of some thiazole-based chalcones as dual anti-inflammatory/antimicrobial agents. Liaras K, Ćirić A, Soković M, Glamočlija J, Geronikaki A. 11th SAYCS, Pesaro, Italy, 17–19/11/2011.
- Synthesis of new ibuprofen derivatives as anti-inflammatory and antioxidant agents. Tziona P, Liaras K, Rekka E. 11th SAYCS, Pesaro, Italy, 17–19/11/2011.
- Synthesis of novel thiazole-based aminopyrimidines and N-phenylpyrazolines as potent antimicrobial agents. Liaras K, Glamočlija J, Ćirić A, Soković M, Geronikaki A. 13th SAYCS, Riccione, Italy, 28–30/10/2013.
- Thiazole-based aminopyrimidines and N-phenylpyrazolines as potent antimicrobial agents: synthesis and biological evaluation. Liaras K, Glamočlija J, Ćirić A, Soković M, Geronikaki A. 1st EFMC-YMCS, Lisbon, Portugal, 12/09/2014.

## TEACHING RECORD AND POSITION-RELATED SKILLS

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### University Teaching

- Developed and taught course material, lectures and examinations for the MSc in Drug Regulatory Affairs distance-learning programme at the University of Nicosia.
- Supervised Master's theses, providing academic mentoring and support throughout the research and writing process.
- Conducted live online lectures within the University of Nicosia distance-learning programme.
- Supervised Inorganic Chemistry laboratory courses for the MPharm programme at UNIC Athens, providing hands-on instruction in experimental chemistry.
- Developed course materials and assessments designed to support pharmacy students and reinforce core chemical principles.
- Maintained strict compliance with laboratory health and safety protocols.
- Taught Medicinal Chemistry and Pharmacology in the Pharmacy Technician training programme at EPAS-OAED.
- Established a training laboratory for Pharmacy Technician programmes and conducted practical sessions in Chemistry and Pharmaceutical Laboratory Practice.
- Oversaw student evaluation through examinations and grading.

### Additional Teaching Experience

- Member of scientific committees of the Panhellenic Pharmaceutical Association involved in educational programmes and conferences for Greek community pharmacists, including programmes related to COVID-19.
- Supervised and assisted Pharmacy students during laboratory courses and semester examinations at the School of Pharmacy, Aristotle University of Thessaloniki.

### Research and Position-Related Skills

- Design, synthesis and biological evaluation of novel antimicrobial, anti-inflammatory and antioxidant compounds.
- Structure–activity relationship studies in medicinal chemistry.
- Author of the scientific book Antifungal Compounds Discovery: Natural and Synthetic Approaches (Elsevier, 2020).
- Author and reviewer of peer-reviewed scientific articles.
- Reviewer for international scientific journals; involvement in editorial activities and research-proposal evaluation.
- Community pharmacy practice and pharmaceutical science in a professional healthcare setting.

## PROFESSIONAL AND SCIENTIFIC SERVICE

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- Elected delegate of the Panhellenic Pharmaceutical Association (PFS).
- Official advisor to the PFS delegation to the Pharmaceutical Group of the European Union (PGEU).
- Candidate for PGEU representative to the Advisory Forum of the European Centre for Disease Prevention and Control (ECDC).
- Vice President of the Kilikis Pharmaceutical Association.
- Member of scientific committees of the Panhellenic Pharmaceutical Association concerning national and European professional and scientific matters.

## DIGITAL AND TECHNICAL SKILLS

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**Microsoft Office:** Word, Excel, PowerPoint, Outlook

**Scientific / academic software:** ChemDraw Ultra, Adobe Acrobat Reader, Moodle  
**Online communication:** Zoom, Skype, Google Meet and related videoconferencing platforms

## COMMUNICATION AND ORGANISATIONAL SKILLS

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- Strong communication skills developed through community pharmacy practice, teaching and participation in professional committees and councils.
- Extensive experience in scientific writing through peer-reviewed publications and authorship of a scientific book.
- Experienced in oral communication and representation through participation in scientific and professional committees.
- Collaborative and organisational skills developed through research activities in Greek and international academic environments.
- Administrative experience as a pharmacy owner and through participation in national and local scientific and professional bodies.

## DRIVING LICENCE

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Category B

## OTHER SKILLS AND INTERESTS

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- Classical guitar (1990–1997), painting courses, theatre courses, Boy Scouts (1990–1998), traditional dances.
- Sports: tennis courses (1990–1997), athletics (1996–1998).

## SELECTED CONFERENCE PARTICIPATION

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- 9th Conference in Advanced Medicinal Chemistry, Thessaloniki, 20–22/05/2005.
- 51st Annual I.P.S.F. Congress, Bonn, Germany, 05–14/08/2005.
- 5th Pharmapoint, Thessaloniki, 22–23/10/2005.
- 10th Conference in Advanced Medicinal Chemistry, Thessaloniki, Greece, 25–26/05/2007.
- 13th Panhellenic Symposium of Medicinal Chemistry, Athens, 14–15/03/2008.
- 20th International Symposium on Medicinal Chemistry, Vienna, Austria, 31/08–04/09/2008.
- 14th Panhellenic Pharmaceutical Congress, Athens, 09–11/05/2009.
- 11th Conference in Advanced Medicinal Chemistry, Thessaloniki, Greece, 23–24/05/2009.
- 5th International Symposium on Computational Methods in Toxicology and Pharmacology Integrating Internet Resources, Istanbul, Turkey, 04–08/07/2009.
- Vienna Summer School: Drug Design, Vienna, Austria, 13–18/09/2009.
- 9th SAYCS, Pesaro, Italy, 12–14/10/2009.
- 14th Hellenic Symposium of Medicinal Chemistry, Thessaloniki, 23–25/04/2010.
- International Conference CBC-2010, St. Petersburg, Russia, 02–06/08/2010.
- 10th SAYCS, Pesaro, Italy, 18–20/10/2010.
- 12th Conference in Advanced Medicinal Chemistry, Thessaloniki, Greece, 20–21/05/2011.
- 47th International Conference on Medicinal Chemistry, RICT 2011, Lyon, France, 06–08/07/2011.
- 11th SAYCS, Pesaro, Italy, 17–19/10/2011.
- 13th SAYCS, Riccione, Italy, 28–30/10/2013.
- 1st EFMC-YMCS, Lisbon, Portugal, 12/09/2014.
- 14th Pharmapoint, Thessaloniki, 18–19/10/2014.
- 15th Pharmapoint, Thessaloniki, 17–18/10/2015.
- 1st Pharmaceutical Conference of East Macedonia–Thrace, Komotini, Greece, 28–29/05/2016.
- 2nd Pharmaceutical Conference of East Macedonia–Thrace, Xanthi, Greece, 18–19/05/2018.
- 18th Pharmapoint, Thessaloniki, 20–21/10/2018.
- 19th Pharmapoint, Thessaloniki, 02–03/09/2019.
- 6th Pharmaceutical Conference of Thessaly, Greece, Larissa / online, 28–29/11/2020.
- 2nd PANDA Conference, China–Serbia, online, 07/12/2020.
- 1st Online Symposium of PFS-IDEEAF, online, 21/03/2021.
- 4th Pharmacoepidemiology Conference, Greece, online, 19–21/04/2021.
- 3rd Conference of Peloponnese Pharmacists, Nafplio, Greece, 01–02/10/2022.
- 4th Conference of Peloponnese Pharmacists, Loutraki, Greece, 30/09–01/10/2023.