CURRICULUM VITAE

Name:	**Vangelis D. KARALIS** PhD, MSc
Academic Position:	Associate Professor
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Teaching

A. Undergraduate

Statistics, Programming and Computational Methods, Introduction into Clinical Pharmacy, Pharmaceutical Care, Laboratory practice in "Biopharmaceutics – Pharmacokinetics I"

B. Postgraduate

In several MSc programmes of:
- National and Kapodistrian University of Athens: Pharmacy department, School of Medicine
- University of Patras
- Aix Marseille University

Theses Supervision

PhD
 Completed: 2
 Ongoing: 5

MSc
 Completed: 24
 Ongoing: 4

BSc
 Completed: 13
 Ongoing: 5

Research Interests

Clinical Pharmacy, Pharmacokinetics; Artificial intelligence; Machine learning; In silico clinical trials; Modeling and Simulation; Clinical decision support systems; Precision medicine; Model informed drug development; Bioequivalence studies

Computer skills

- *Programming:* Python, R, Matlab, Fortran, Mathematica, Basic

- Software development: **IVIVS**

Reviewer in international journals

1. *AAPS Open*
2. *Advances in Experimental Medicine and Therapeutics*
3. *Advances in Therapy*
4. *Artificial Intelligence*
5. *Artificial Intelligence in Medicine*
6. *Biology*
7. *Antibiotics*
8. *Applied Sciences*
9. *Basic & Clinical Pharmacology & Toxicology*
10. *Biochemical Pharmacology*
11. *Biomedicines*
12. *Bioengineering*

13. Biosimilars
14. Biopharmaceutics & Drug Disposition
15. British Journal of Clinical Pharmacology
16. British Medical Journal
17. Cancer Chemotherapy and Pharmacology
18. Clinical Pharmacology in Drug Development
19. Data
20. Current Issues in Molecular Biology
21. Diagnostics
22. Drugs in R&D
23. Drug Metabolism Letters
24. European Journal of Clinical Pharmacology
25. European Journal of Pharmaceutical Sciences
26. Expert Opinion on Investigational Drugs
27. Future Science
28. Healthcare
29. Information
30. Int J Num Methods Biomed Engineer
31. Int J Pharmaceutics
32. Int J Clin Pharmacology
33. International Journal of Environmental Research and Public Health
34. International Journal of Molecular Sciences
35. Journal of Aerosol Medicine and Pulmonary Drug Delivery
36. Journal of Applied Bioanalysis
37. Journal of Bioequivalence & Bioavailability
38. Journal of Bioequivalence Studies
39. Journal of Cardiovascular Development and Disease
40. Journal of Clinical Pharmacology and Therapeutics
41. Journal of Chromatography B
42. Journal of Drug Delivery
43. Journal of Educational and Behavioral Statistics
44. Journal of Pharmaceutical and Biomedical Analysis
45. Journal of Pharmacology and Experimental Therapeutics
46. Journal of Pharmacy & Pharmaceutical Sciences
47. Journal of Pharmacy & Pharmacology
48. Medical Science Monitor
49. Medical Statistics Open Access
50. Metabolites
51. Molecular and Clinical Oncology
52. Molecular Medicine Reports
53. Molecules
54. Multidisciplinary Respiratory Medicine
55. Neurology and Therapy
56. Oncology letters
57. Pathogens
58. Pharmaceuticals
59. Pharmaceutics
60. Pharmaceutical Research
61. Pharmaceutical Statistics
62. PLOS ONE
63. Regulatory Toxicology and Pharmacology
64. Scientia Pharmaceutica
65. Scientific Reports
66. Springer Plus
67. Statistics in Medicine
68. Vaccines
69. Xenobiotica

Oral Presentations: > 46

Poster Presentations: > 104

Peer Reviewed Articles: > 95
(Last 10)
1. Karalis V. Machine Learning in Bioequivalence: Towards Identifying an Appropriate Measure of Absorption Rate. *Applied Sci* (2023)
2. Karalis V. On the Interplay between Machine Learning, Population Pharmacokinetics, and Bioequivalence to Introduce Average Slope as a New Measure for Absorption Rate. *Applied Sci* (2023)
3. Kousovista R, Karali G, Karalis V. Modeling the Double Peak Phenomenon in Drug Absorption Kinetics: The Case of Amisulpride. *BioMedInformatics* [2023]
4. Karalis V. An In-Silico Approach Toward the Appropriate Absorption Rate Metric in Bioequivalence. *Pharmaceuticals* [2023]
5. Damnjanović I, Tsyplakova N, Stefanović N, Tošić T, Catić-Đorđević A, Karalis V. Joint Use of Population Pharmacokinetics and Machine Learning for Optimizing Antiepileptic Treatment in Pediatric Population. *Ther Adv Drug Saf* [2023]
6. Kyritsi A, Tagka A. Stratigos A, Pesli M, Lagiokapa T, Karalis V. A retrospective analysis to investigate contact sensitization in Greek population using classic and machine learning techniques. *Adv Exp Med Biol* [2023]

7. Papadopoulos D. <u>Karalis V</u>. Variational Autoencoders for Data Augmentation in Clinical Studies. *Applied Sci* [2023]

8. Stratidakis N, Tagka A …/… <u>Karalis V</u>, Dallas P, Stratigos A, Rallis M. Octenidine versus dispase gels for wound healing after cryosurgery treatment in patients with basal cell carcinoma. *Adv Exp Med Biol* [2023] 10.1007/978-3-031-31986-0_57

9. Gkousiaki M, <u>Karalis V</u>, Kyritsi K, Almpani C, Geronikolou S, Stratigos A, Rallis MC, Tagka A. Contact Allergy Caused by Acrylates in Nail Cosmetics: A Pilot Study from Greece. *Contact Dermatitis* [2024] https://doi.org/10.1111/cod.14485

10. <u>Karalis V</u>. The Integration of Artificial Intelligence into Clinical Practice. *Applied Biosciences* [2024] https://doi.org/10.3390/applbiosci3010002

Conference Proceedings: 2

Preprints: 2

Book chapters: 3

Articles in Greek Journals: 7