

PERSONAL INFORMATION

Georgia Valsami



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| Date of birth 04/09/1960 | Nationality Greek

WORK EXPERIENCE

- 2019-today **Professor of Biopharmaceutics & Pharmacokinetics,**
Department of Pharmacy, School of Health Sciences, National and Kapodistrian University of Athens (NKUA), Greece
- 2012-2019 **Associate Professor of Biopharmaceutics & Pharmacokinetics,**
Department of Pharmacy, School of Health Sciences, National and Kapodistrian University of Athens (NKUA), Greece
- 2004-2012 **Tenured Assistant Professor of Biopharmaceutics,**
Department of Pharmacy, School of Health Sciences, National and Kapodistrian University of Athens (NKUA), Greece
- 1999-2004 **Assistant Professor of Biopharmaceutics,**
Department of Pharmacy, School of Health Sciences, National and Kapodistrian University of Athens (NKUA), Greece
- Head of the Pharmacy Department**
Sismanogleio General Hospital of Athens
- 1996-1999 **Head of the Regulator Department**
UNI-PHARMA S.A. Pharmaceutical Laboratories
- 1990-1996

EDUCATION AND TRAINING

- (1991-1999) **Post doctoral researcher/Research assistant**
Laboratory of Biopharmaceutics & Pharmacokinetics, Department of Pharmacy, NKUA
- 1987-1990 **PhD in Pharmaceutical Sciences (Specialty: Biopharmaceutics)**
- 1984 **Registered Pharmacist**
Greece
- 1979-1984 **Degree in Pharmacy**
Aristotle University of Thessaloniki

Replace with EQF (or other) level if relevant

PERSONAL SKILLS

Mother tongue(s) Greek

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B2	B2	B1	B1	B1

Communication skills

- Extensive academic teaching, supervision, and mentoring experience gained over 25 years as Professor of Biopharmaceutics and Pharmacokinetics at the Department of Pharmacy, NKUA.
- Advanced scientific communication skills demonstrated through invited and contributed oral presentations at international conferences
- Effective interdisciplinary communication and collaboration with researchers from diverse scientific backgrounds within national and European research projects.

Organisational / managerial skills

- Experience in managing research and training activities acquired through the coordination of various research and industry funded programs and acting as principal advisor of 5 Post Doctoral researchers, 5 completed Doctoral Theses and numerous MSc Diploma Theses (more than 40) and Undergraduate Diploma Theses (more than 40).

Administrative skills

- Extensive administrative and leadership experience acquired through service as Director of the Section of Pharmaceutical Technology and Director of the Laboratory of Biopharmaceutics & Pharmacokinetics, Department of Pharmacy, NKUA, as well as by serving as Vice Chair of the Department of Pharmacy, NKUA, contributing to strategic planning, academic coordination, and departmental governance.

Job-related skills

- Development of novel dosage forms (synthetic and natural bioactives) for nasal administration and nose-to-brain delivery in the treatment of CNS diseases.
- Designing and performing pre-clinical and clinical PK/PD studies (CNS, Cardioprotection),
- Pharmacokinetic based dosage individualization of drug therapy

Driving licence

B

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Independent user	Independent user

Softwares

- Microsoft Office Suite (Word, Excel, PowerPoint) for academic writing, data analysis, and teaching material preparation
- Phoenix Certara Pharmacokinetic and modeling software
- Statistical analysis software (IBM SPSS Statistics, GraphPad Prism).

ADDITIONAL INFORMATION

Teaching

Undergraduate courses/labs (2000-today):

- Biopharmaceutics-Pharmacokinetics I (Mandatory, 5th semester)
- Biopharmaceutics-Pharmacokinetics II (Elective, 6th semester)
- Introduction to Laboratory Practices (Lab-work, 1st semester)
- Laboratory of Biopharmaceutics & Pharmacokinetics (Lab-work 5th and 6th semester)

Graduate courses (2000-today)

- Applications of Statistics in Pharmaceutical Sciences (Master course in: Industrial Pharmacy/Clinical Pharmacy/Cosmetology-Dermatopharmacology)
- Advanced Biopharmaceutics and Pharmacokinetics (Master course in Industrial Pharmacy)
- Lab-works in Industrial Pharmacy (Master course in Industrial Pharmacy, 2015-today)

Graduate courses in other Universities:

- Other routes of drug administration (Erasmus-Mundus joint Master on Nanomedicines for Drug Delivery (NANOMED) - Universities of Paris, Descartes, France, Patras, Greece, Parma, Italy and Angers, France (2017-today)
- Principles of Pharmacodynamics: Pharmacokinetic-Pharmacodynamic models (Master course in "Respiratory Failure and Mechanical Ventilation" ICU A Pulmonary Clinic, School of Health Sciences, School of Medicine, NKUA (2019-2025)
- Clinical Studies: Emphasis in Pediatric drug development and the regulatory status in EU (Master course in Bioethics, Medical School, Democritus University of Thrace) (2022 – today)

Publications & Citations

126 publications in peer reviewed journals. Full list of publications in:

<https://scholar.google.com/citations?user=qBzbWhgAAAAJ&hl=el>

Book Chapters

Eirini Christodoulou, Dimitrios Ntountaniotis, Georgios Leonis, Thomas Mavromoustakos, Georgia Valsami. "Application of Neutralization and Freeze-drying Technique for the Preparation of the Beneficial in Drug Delivery 2-hydroxypropyl- β -cyclodextrin complexes with bioactive molecules" in, Thomas Mavromoustakos et al. (eds.), Supramolecules in Drug Discovery and Drug Delivery: Methods and Protocols, Methods in Molecular Biology, vol. 2207, https://doi.org/10.1007/978-1-0716-0920-0_1, © Springer Science+Business Media, LLC, part of Springer Nature 2020.

Special Issues

- "Cyclodextrins and Their Derivatives: A Basis for New Drug Formulations" edited by G. Valsami, T. Mavromoustakos and A. Tzakos, Special Issue in "Molecules", MDPI 2022, https://www.mdpi.com/journal/molecules/special_issues/drug_cyclodextrin
- Unlocking the Formulation Potential of Cyclodextrins and Their Derivatives—Volume II. Guest Editors: G. Valsami and N. Pippa, Guest Editor assistant: P. Papakyriakopoulou, MDPI 2023, https://www.mdpi.com/journal/molecules/special_issues/drug_cyclodextrin2
- Carbohydrate-Based Drug Delivery Systems: Chemistry, Design, and Therapeutic Potential. Guest Editors: G. Valsami and N. Pippa, P. Papakyriakopoulou. Section "Macromolecular Chemistry", MDPI 2026. https://www.mdpi.com/journal/molecules/special_issues/0449PY3513
- Editor with Dr. P. Papakyriakopoulou of the book « Nose-to-Brain Drug Delivery: Principles, Strategies, and Applications», after invitation from Springer Nature, as part of The NEUROMETHODS series (in process)

Indicative Projects

General Secretariat for Research and Innovation (PAVET 2000)

Development and in vitro and in vivo evaluation of a novel transdermal drug delivery system . (NKUA project number 70/3/6019). 10.800.000 dr ($\approx$ 31700 €).

General Secretariat for Research and Innovation (Co-operation 2011, ESPA 2007-2013)

INDIVIDUALIZED DRUG THERAPY IN GREEK HOSPITALS BASED ON PHARMACOKINETIC MATHEMATICAL MODELING: FOCUS ON GENERICS (NKUA project number 70/3/11121) 500000€
World Anti-doping Agency, WADA

Influence of athlete's hyperhydration on sample collection procedure in terms of urine pharmacokinetics of representative prohibited substances (WADA Research Grant, Reference number: 10D21CG, for the financial support of the PhD thesis of Ioanna Athanasiadou (PI for the NKUA project number 14539).

General Secretariat for Research and Innovation (PAVET 2013) IN VTRO CHARACTERIZATION AND IN VIVO PHARMACOKINETIC-PHARMACODYNAMIC STUDY OF THE BIO-ACTIVE COMPONENTS AND THE EXTRACT FROM *Crocus sativus* (oik. Iridaceae): FOCUS ON THE INVESTIGATION OF THE ANTIATHEROSCLEROTIC AND CARDIOPROTECTIVE PROPERTIES AND THE DEVELOPMENT OF PEROS ADMINISTERED DOSAGE FORM. (NKUA project number 12769) 40000 €.

NORMA HELLAS S.A.

Pharmacokinetic study of inhaled colistin (NKUA project number 70/3/12483) 9775 €.

Hellenic Foundation for Research and Innovation.

Development and in vitro/ in vivo evaluation of nasal drug delivery systems (NKUA project number 70/3/18552, for the financial support of the PhD thesis of Paraskevi Papakyriakopoulou), 23400€.

CIVIS council of Hub 3 on Health

CIVIS Joint Master's Degree Programme Drug development: from natural products to formulations and applications - NAT4DD. 75.600,00 € (CIVIS Management Committee's meeting · 19th November 2024

Recovery and Resilience Facility "Greece 2.0"

Precision Medicine in Pneumonia, (Project Code TAEDR-0541976), €4,723,050. (NKUA project number 70/3/19958)

Recovery and Resilience Facility "Greece 2.0", "Internationalization of Higher Education Institutions' Educational Services", "Universities of Excellence", with OPS Code TA 5180665.

Joint CIVIS Master's Program "Drug Development: From Natural Products to Formulations and Applications" – NAT4DD. Decision No. 3977/01-07-2025 and No. 5985/15-09-2025 of the Minister of Education, Religious Affairs and Sports. (NKUA project number 22359) 844678 €

Conferences Distinctions and awards

More than 100 oral and poster presentations in National and International Conferences

- PhD scholarship from the Hellenic State Scholarship Foundation, IKY (granted after examinations, 3-year scholarship, 1987-1990).
- Member of the Editorial Board of the Journal "Molecules"
- Guest Editor with Prof. T. Mavromoustakos and Prof. A. Tzakos of the special issue "Cyclodextrins and Their Derivatives: A Basis for New Drug Formulations", "Molecules", MDPI 2022, https://www.mdpi.com/journal/molecules/special_issues/drug_cyclodextrin
- Guest Editor with Assist. Prof N. Pippa and Dr. P. Papakyriakopoulou, of the special issue «Unlocking the Formulation Potential of Cyclodextrins and Their Derivatives—Volume II», "Molecules", MDPI 2023, https://www.mdpi.com/journal/molecules/special_issues/drug_cyclodextrin2
- Guest Editor with Assist. Prof N. Pippa and Dr. P. Papakyriakopoulou, of the special issue "Carbohydrate-Based Drug Delivery Systems: Chemistry, Design, and Therapeutic Potential", "Molecules", MDPI 2025 (in process), https://www.mdpi.com/journal/molecules/special_issues/0449PY3513
- Editor with Dr. P. Papakyriakopoulou of the book «Nose-to-Brain Drug Delivery: Principles, Strategies, and Applications», after invitation from Springer Nature, as part of The NEUROMETHODS series (in process)
- Member of the Scientific Board for Drug Approval of the National Drug Organization (NDO) (2016-2020)
- European Medicine Agency - European expert through the NDO (2016-today) (https://www.ema.europa.eu/en/about-us/how-we-work/european-medicines-regulatory-network/european-experts?f%5B0%5D=ema_expert_full_name%3AGeorgia%20Valsami)

Memberships

Controlled Release Society (CRS, President of the Greek Local Chapter 2001-2006); American Association of Pharmaceutical Scientists (AAPS); Greek Pharmaceutical Association, Hellenic Pharmaceutical Foundation, etc.

Patents

Three National Patents: A method for the improvement of water solubility of silibinin as ingredient of sylimarin. GR20150100312; Method for cold extraction and development of stable aqueous extracts from the stigmas of the Greek plant CROCUS SATIVUS L. and application for the prevention and treatment of atherosclerosis. GR1008908-19/12/2016; A new dosage form of echinochrome A and a method for its production. Application number OBI: 0220101012 Two European Patent Applications (EPO) in collaboration with NKUA & Trinity College Dublin (Treatment of leukodystrophy. Priority patent application filed September 2023, Reference: KD02-1046-01; "Treatment of disorders using sphingosine-1-phosphate receptor modulators" Priority patent application filed October 2024, Reference: KD 1117-01).

Citations and h-index (Google scholar)

3729, h-index = 34

