

Academic Personnel Short Profile / Short CV

University:	UNIC Athens
Surname:	Economidou
Name:	Sophia
Rank/Position:	Assistant Professor
Faculty:	Pharmacy
Department:	Health Sciences
Scientific Domain: *	Pharmaceutical Technology

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Doctorate	2022	Universities of Kent and Greenwich	School of Pharmacy	3D printed microneedles for transdermal drug delivery
MEng	2014	University of Patras	Mechanical & Aeronautics Engineering	

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
2023	2026	NCSR “Demokritos”	Agia Paraskevi, Attiki, Greece	Researcher
2022	2023	University of Piraeus	Piraeus, Attiki, Greece	Researcher
2021	2022	University College London	London, UK	Researcher

Key <u>refereed</u> journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2026	Hot-Melt Extrusion of Bupropion with Three Ethylcellulose Grades for Pellet Feedstock Preparation and Screw-Based 3D Printing of Sustained-Release Tablets	Chrystalla Protopapa; Laura Andrade Junqueira; Siva Satyanarayana Kolipaka; Dimitris Pappas; Dennis Douroumis; Marilena Vlachou	AAPS PharmSciTech, Springer Nature	27	Article 251
2	2024	Monoclonal Antibody Delivery Using 3D Printed Biobased Hollow μ Ne3dle Arrays for the Treatment of Osteoporosis	Md Jasim Uddin; Léa Guiraud; Mohsin Kazi; Fars K. Alanazi; Dennis Douroumis	Molecular Pharmaceutics, American Chemical Society	21(9)	4465–4475
3	2021	3D printing as a transformative tool for microneedle systems: Recent advances, manufacturing considerations and market potential	Dennis Douroumis	Advanced Drug Delivery Reviews, Elsevier	173	60–69
4	2021	A novel 3D printed hollow microneedle microelectromechanical system for controlled, personalized transdermal drug delivery	Md. Jasim Uddin; Manuel J. Marques; Dennis Douroumis; Wan Ting Sow; Huaqiong Li; Andrew Reid; James F.C. Windmill; Adrian Podoleanu	Additive Manufacturing, Elsevier	38	Article 101815
5	2021	Advanced Methodologies for Pharmaceutical Salt Synthesis	Md Sadeque Hossain Mithu; Vivek Trivedi; Saumil Bhatt; Dennis Douroumis	Crystal Growth & Design, American Chemical Society	21(2)	1358–1374
6	2021	Optimisation of Design and Manufacturing Parameters of 3D Printed Solid Microneedles for Improved Strength, Sharpness, and Drug Delivery	Cristiane P. Pissinato Pere; Michael Okereke; Dennis Douroumis	Micromachines, MDPI	12(2)	Article 117

7	2020	Investigation of bone reconstruction using an attenuated immunogenicity xenogenic composite scaffold fabricated by 3D printing	Qiongxi Pan; Chenyuan Gao; Yingying Wang; Yili Wang; Cong Mao; Quan Wang; Dennis Douroumis; Feng Wen; Lay Poh Tan; Huaqiong Li	Bio-Design and Manufacturing, Springer Nature	3(4)	396–409
8	2020	3D printed microneedles for anticancer therapy of skin tumours	Md Jasim Uddin; Nicolaos Scoutaris; Clementine Giraud; Babur Z. Chowdhry; Ryan F. Donnelly; Dennis Douroumis	Materials Science and Engineering: C, Elsevier	107	Article 110248
9	2019	3D printed microneedle patches using stereolithography (SLA) for intradermal insulin delivery	Cristiane Patricia Pissinato Pere; Andrew Reid; Md. Jasim Uddin; James F.C. Windmill; Dimitrios A. Lamprou; Dennis Douroumis	Materials Science and Engineering: C, Elsevier	102	743–755
10	2018	3D printing applications for transdermal drug delivery	Dimitrios A. Lamprou; Dennis Douroumis	International Journal of Pharmaceutics, Elsevier	544(2)	415–424

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	2023–2026	Data- and Simulation-Driven Design Optimisation of Architected Structures for Biomedical Applications	Recovery and Resilience Facility	Research Team Member
2	2022–2023	OrThOP3Dics: Topological Optimisation of 3D Printed, Personalised Spinal Braces	State-funded research project	Research Team Member
3	2021–2022	Development and Commercialisation of Novel Medical Devices for Point-of-Care Diagnostics	UKRI-BBSRC – Flexible Talent Mobility Account	Research Team Member

4	2017–2021	3D Printed Microneedles for Transdermal Drug Delivery	Medway School of Pharmacy, University of Kent full PhD Studentship	Doctoral Researcher
5	2014–2017	In Situ Monitoring Additive Rapid Manufacturing (S.M.A.R.T.) –	EXCELLENCE II (State-funded)	Research Team Member

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	Date	Title	Awarded by:
1	2021–2022	UKRI-BBSRC Innovation Placement Mobility Grant – Flexible Talent Mobility Account	UK Research and Innovation – Biotechnology and Biological Sciences Research Council (UKRI-BBSRC)
2	2017–2020	Full PhD Studentship	Medway School of Pharmacy, University of Kent
3	2008	“The Great Moment for Education” Scholarship	Eurobank Ergasias S.A.
4	2008	Award for Excellence	Hellenic Ministry of Education