PERSONAL INFORMATION

MILENA LILLINA SORRENTI

University of Pavia
Department of Drug Sciences
Viale Taramelli 12
27100 Pavia, Italy

+39 382 987054

milena.sorrenti@unipv.it

https://unipv.unifind.cineca.it/resource/person/657651

Sex Female | *Date of birth* 11/12/1967 | *Nationality* Italian

Associate professor

WORK EXPERIENCE

2021 – current	Associate Professor, academic discipline: CHIM/09 Applied Pharmaceutical Chemistry and Technology, Department of Drug Sciences, University of Pavia
2005-2021	Assistant professor, CHIM/09 Applied Pharmaceutical Chemistry and Technology, Department of Drug Sciences, University of Pavia
1998-2004	Technical Assistant, Department of Drug Sciences, University of Pavia
	Member of the committee of the Ph.D. course in Chemistry and Pharmaceutical Technology, Department of Drug Sciences, University of Pavia
2021 – current	Member of Joint student-teacher Committee, Department of Drug Sciences, University of Pavia
2021	Member of Joint student-teacher Committee, Department of Drug Sciences, University of Pavia
2020-2021	Member of Academic Senate, University of Pavia
2015-2018	Member of Academic Senate, University of Pavia
2010 – current	Member of the committee of Master course Preformulation, pharmaceutical development and drug control, University of Pavia, Level EQF: 8
2017 - current	Member of the committee of Master course cGMP compliance and validation in the pharmaceutical industry, Level EQF: 8

EDUCATION AND TRAINING

1999	Ph.D. degree in Biopharmaceutics and Pharmacokinetics at the University of Parma, Italy
1995	
	Postgraduate specialization degree in Industrial Pharmacy at the University of Pavia,
1992	Italy
1992	Qualified Pharmacist
	Degree in Pharmaceutical Chemistry and Technology at the University of Pavia, Italy

Skills acquired
Preformulation studies, solid-state characterization, cyclodextrins complexation, drug delivery, pharmaceutical technology

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV

WORK ACTIVITIES

Organizational and management activities

2019 - current Member of ADRITELF (Associazione Docenti e Ricercatori Italiani di Tecnologia e Legislazione Farmaceutiche)

2018 – current Member of Controlled Release Society Italian Chapter

2021 - current Member of AFI Scientifica (Associazione Farmaceutici Industria)

Editorial activity

Current Member of Editorial Board as Review Editor for journal Frontiers in "Medical Technology - Nano-Based Drug Delivery", open access (Electronic ISSN:2673-3129) https://www.frontiersin.org/journals/medical-technology/sections/nano-based-drug-delivery#editorial-board

Current Member of Editorial Board as Topic Editor for journal Nanomanufacturing, open access MDPI (ISSN 2673-687X). First year published 2021. https://www.mdpi.com/journal/Nanomanufacturing/topic_editors

Current Guest Editor of Special Issue "Co-Crystals as a Pharmaceutical Strategy for Altering API Physicochemical Properties" for journal Molecules, open access MDPI (ISSN 1420-3049). https://www.mdpi.com/journal/molecules/special_issues/Co-crystals#editors

Current Guest Editor of Special Issue "New Frontiers in Cyclodextrin Technologies" for journal Pharmaceuticals, open access MDPI (ISSN 1424-8247). https://www.mdpi.com/journal/pharmaceuticals/special_issues/Cyclodextrin_Tech

Current Reviewer for Pharmaceutics, Journal of Thermal Analysis and Calorimetry, Journal of Pharmaceutical and Biomedical Analysis, Journal of Pharmaceutical Sciences, Acta Crystallographica Section B, Journal of Inclusion Phenomena and Macrocyclic Chemistry, Molecules, Pharmaceutics, Pharmaceuticals, International Journal of Molecular Science

Invited presentations

Chair of session 8 at the V Symposium of Young Researchers on Pharmaceutical Technology, Biotechnology and Regulatory Science, University of Szeged, Hungary, January 18-20 2023

Invited Speaker to the V International Summer School on Cyclodextrins, Ascea, Italy, September 4-7 2022

Chair of session "Cyclodextrins in Pharmaceutics" at the 1st International Electronic Conference on Pharmaceutics, https://sciforum.net/conference/IECP2020, December 1-15 2020

Invited Speaker to the IV International Summer School on Cyclodextrins, Milano, Italy, June 10-12 2019

Invited Speaker to the III International Summer School on Cyclodextrins, Asti, Italy, June 20–1 July 2016

Invited Speaker to the First International Summer School on Cyclodextrins, Porto Conte, Italy, June 6-8 2010

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) English

Job-related skills Team working ability, team coordination ability
Use digital devices, communication applications, and networks to access and manage information

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV

ADDITIONAL INFORMATION

Statement of Research Interests

Milena Lillina Sorrenti carries out her research activity in the field of applied pharmaceutical chemistry with particular interest in the chemical-physical characterization of the solid-state of pharmaceutical compounds, especially in the study of polymorphism, pseudopolymorphism, amorphism, isostructurality, crystalline structure of drugs and excipients. She has gained extensive experience in the design and characterization of binary drug systems with natural and derived cyclodextrins, as excipients for the complexation and solubility increase of poorly soluble and hydrophobic active ingredients. The activity is mainly related to a preformulative investigation of the chemical-physical characterization of drug-excipient compatibility and is aimed at supporting subsequent pharmaceutical formulation studies. In the early works, the interest focused on modified release formulations and mucosal or transmucosal delivery systems. More recently, the research in the preformulation field has focused on characterization studies of different nanostructured systems based on lipids or on natural, protein, and polysaccharide polymers. Several studies have been concerned with the characterization of vesicular systems (exosomes and microvesicles from mesenchymal stem cells).
The research activity is mainly based on the use of thermoanalytical and spectroscopical techniques of pharmaceutical application (Differential Scanning Calorimetry, Thermogravimetric Analysis, Thermooptical Analysis, Fourier-transform Infrared spectroscopy).

Publications

total number of publications in peer-review journals: 77
total Impact Factor (IF) (average IF/paper): 234,8 (3,05)
total number of citations: 2137
H index (Scopus): 24

ORCID: https://orcid.org/0000-0001-8249-5761

Pavia, January 19, 2023

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV