

SHORT CURRICULUM VITAE of Giulia BONACUCINA

Prof Giulia Bonacucina, MPharm, PhD (Area 03/D2; SSD CHIM/09)

<https://orcid.org/0000-0002-8528-4166> *Scopus Author ID: 7801424409*

POSITION AND HONORS

1999 - Master's degree in Industrial Pharmacy with full marks

1999- Earning a scholarship of University of Camerino to further training abroad at the “Bristol Colloid Centre” University of Bristol (UK), to study the rheological properties of semisolid systems by using oscillatory rheology and acoustic spectroscopy techniques

2001- Stage at the laboratory of Prof. Duncan Q. M. Craig, at the “Queen's University of Belfast”, working on the rheological and dielectric characterization of phase transitions of monoolein/water and monoolein/water/cyclosporine A systems (October 2001-March 2002).

2002 -Stage at the Physical Pharmacy laboratory of Prof. Jean-Louis Grossiord, Faculty of Pharmacy, “Université Paris XI”, Chatenay-Malabry (Parigi), working on the rheological characterization of new thermogelling polymers (November 2002-April 2003).

2004- PhD graduation with the thesis entitled “Rheological characteristics, mucoadhesive and mechanical properties, release kinetics of hydrophilic gels.

2005-2010-Temporary researcher at School of Pharmacy - University of Camerino.

2015 - Co-founder and President of the startup "Pharma & Food Consulting Srl (PFC), spin off of the University of Camerino

2017 - National habilitation to associate professor in (SSD CHIM/09).

2018 - National habilitation to full professor in (SSD CHIM/09).

2019 - Director of the second level University Master “Preparazioni galeniche”

2020-present- Associate Professor, School of Pharmacy, University of Camerino

2021- present - Coordinator of the degree course in Pharmacy

RESEARCH INTERESTS

The research activity of Giulia Bonacucina mainly concerned the following topics:

1. Characterization of rheological and mechanical properties of pharmaceutical materials intended for solid dosage formulations.
2. Preparation and characterization of gelling and thermogelling systems intended for drug administration.
3. Preparation and characterization of colloid (micelles, microemulsions and nanoparticles) systems intended for drug administration.

Analytical Methodology: Rheometer, Differential Scanning Calorimetry (DSC), Electron and Optical Microscopy, Dynamic Light Scattering (DLS), Gel Permeation Chromatography (GPC), UV-Vis, Dynamic mechanical analysis (DMA), Surface tension analyses, Spray-drying, Dissolution and disaggregation test.

Dr. Bonacucina is co-author of 131 publications, on leading international journals and of 4 book chapters. She is Editorial Board Members for Pharmaceutics (Journal Rank: JCR - Q1 (Pharmacology & Pharmacy) IF=6.525)

BIBLIOMETRIC PARAMETERS FROM SCOPUS

H-index = 29, Number of total citations = 3031

AWARDS

2004 - "L'ORÉAL ITALIA for women and Science" award with the collaboration of Italian National Committee for UNESCO to develop a project entitled "Studies on the use of acrylic polymers as gelling agents for pharmaceutical cosolvents".

2014-Third price in the Business Plan Competition "Start Cup Marche 2014", with the project "Pharma, Food and Cosmetics".

Further information

2019-Member of the organizing committee of XIII A.It.U.N. Annual Meeting AAPS Italian University Network Student Chapter 2019 "New Challenges in self-assembling drug delivery systems", Relais Borgo Lanciano, 13-14 June 2019.

2018- Italian patent application with extension in EU - Application number 2019EP-0151345 dated 2019-07-24 "Gel formulations for oral administration of drugs, in particular to dysphagic patients"

GRANTED RESEARCH PROJECTS

2019- FAR 2018 University of Camerino. Principal Investigator: Prof. Massimo Nabissi. Title: Cannabis sativa by-products as a source of repellents and insecticides. Hemp derivatives-based new formulations for effective, safe and eco-friendly applications in human health and agriculture. Role: Unit Leader.

2019- B.I.O.C.E.R.T.O - BlockchainIsotopicOrigin: Certification and Traceability of the biological origin of products (PSR Marche 2014/2020 Measure 16.1 - Support for the establishment and management of the operational groups of the EIP in the field of agricultural productivity and sustainability. Action 2 - Management phase of the G.O. and implementation of the Activity Plan. Unit member.

2018- Erasmus+ Capacity Building in Higher Education - Call for Proposals 2018 - EAC/A05/2017 KA2 – Cooperation for innovation and the exchange of good practices –CapacityBuilding in the field of Higher Education title "Cooperation in Quality Assurance for Pharmacy Education and Training between Europe and Latin America".

2015-FAR 2014-15 University of Camerino. Principal Investigator: Prof. Dennis Fiorini. Title: AEVOO: Authentication of Extra Virgin Olive Oil. Role: Unit Member.