

Gianna Allegrone

Curriculum vitae

PERSONAL DATA

Born in Tortona (AL), resident in Torino

BIO AND EDUCATION

1979 - Scientific High School Diploma at Liceo scientifico "E.Majorana" (Moncalieri)

1985 - Degree in Pharmaceutical Chemistry and Technology at the Faculty of Pharmacy of the University of Turin. Experimental thesis: "Use of NMR C13 in the determination of the structure oxazole derivatives and related compounds."

1986 - qualified as a pharmacist

1992 - First Certificate in English issued by the University of Cambridge.

1986 -2002 Head of the Laboratory of Gas Chromatography-Mass Spectrometry in the Research and Development Department of a multinational group of food additives.

2002 -Associate Professor of Medicinal Chemistry, Department of Pharmaceutical Science at University of Piemonte Orientale .

UNIVERSITY CAREER

2002-	Associate Professor Medicinal Chemistry, Department of Pharmaceutical Sciences, University of Piemonte Orientale
2001-2002	Lecturer in Toxicological Chemistry, Environmental Toxicology School, DSF, University of Piemonte Orientale

UNIVERSITY POSITIONS

2009-	Member, linguistic commission of university (CLUPO) , UPO
2013-	Member, Doctoral School Committee, PhD in Chemistry & Biology, UPO
2005-2012	Member, Doctoral School Committee, PhD in Bioactive Substance Science, UPO

SCIENTIFIC POSITIONS

2000-	Member, Division of Mass Spectrometry of the Italian Chemical Society (SCI)
2005-	Reviewer for several scientific magazines

MAIN FIELDS OF INTEREST

1. Development, optimization and validation of analytical methods
2. Characterization and analysis of microbial biosurfactants.
3. Characterization and analysis of active compounds of plants.
4. Study of biotransformation processes of natural substrates in aromatic molecules
5. Study of natural products and identification of components that characterize the flavor profile

CURRENT ISSUES OF RESEARCH

1. Development, optimization and validation of analytical methods

Development of analytical methods for the characterization and quantification of bioactive compounds present in complex natural matrices using the hyphenated analytical techniques liquid chromatography-mass spectrometry (HPLC-MS) and gas chromatography-mass spectrometry (GC-MS).

2. Characterization and analysis of microbial biosurfactants.

Study of the quali-quantitative composition of biosurfactants obtained from microorganisms by HPLC-MS/MS analysis. Evaluation the degree of linkage between biosurfactants and materials for biomedical use surfaces.

3. Characterization and analysis of active molecules of plants

Study of the qualitative and quantitative composition of cannabinoids and phenolic compounds present in *Cannabis sativa* by HPLC-MS and GC-MS analysis.

CURRENT FUNDED PROJECTS

PROGRAMME	FUNDED PROJECT
Bando Compagnia San Paolo 2014	BIOSURF_COAT – “Biosurfactant-based coatings for the inhibition of microbial adhesion on materials for medical use: ” P.I. Dr.Letizia Fracchia
Local research DSF 2015	<i>Cannabis sativa</i> minor phytocannabinoids and new cannibinoids sources

TOP FIVE PAPERS

1. PECCI Y, RIVARDO F, MARTINOTTI M.G, **ALLEGRONE G** (2010). LC/ESI-MS/MS characterisation of lipopeptide biosurfactants produced by the *Bacillus licheniformis* V9T14 strain. JOURNAL OF MASS SPECTROMETRY, vol. 45, p. 772-778, ISSN: 1076-5174.
2. **ALLEGRONE G**, TAMARO I, SPINARDI S, GROSA G (2008). Development and validation of a solid-phase extraction and gas chromatography–tandem mass spectrometry method for

the determination of isopropyl-9H-thioxanthen-9-one in carton packaged milk. JOURNAL OF CHROMATOGRAPHY A, vol. 1214, p. 128-133, ISSN: 0021-9673.

3. **ALLEGRONE G**, BELLIARDO F, CABELLA P (2006). Comparison of volatile concentration in hand-squeezed juices of four different lemon varieties. JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol. 54, p. 1844-1848, ISSN: 0021-8561
4. GROSA G., **ALLEGRONE G**, DEL GROSSO E. (2005). LC-ESI-MS/MS characterization of strophanthin-K. JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol. 38, p. 79-86, ISSN: 0731-7085
5. CARDILLO R, FRONZA G, FUGANTI C, GRASSELLI P, MELE A, PIZZI D, **ALLEGRONE G**, BARBENI M, PISCIOTTA A (1991). Stereochemistry of the microbial generation of delta-decanolide, gamma-dodecanolide and gamma-nonanolide from C18 13-hydroxy, C18 10-hydroxy and C19 14-hydroxy unsaturated fatty acids. JOURNAL OF ORGANIC CHEMISTRY, vol. 56, p. 5237-5239, ISSN: 0022-326