

Giovanni Gambera Curriculum Vitae

Education

- 20/07/2007-PhD in Organic Chemistry-Loughborough University-U.K.
- 30/10/2000-Degree in Pharmaceutical Chemistry and Technologies-University of Catania.

Professional experience

- 01/02/2022-to date--Permanent Researcher at ICB-CNR.
- September 2017-january 2022—Medicinal Chemist at Vera Salus Ricerca s.r.l.
- October 2014-September 2016—Fixed Term Researcher at ICB-CNR.
- June 2012-June 2014—Post-Doctoral research fellow at ICB-CNR.
- January 2012-february 2012—Researcher under project contract at Dipharma Francis.
- November 2010-september 2011--Post-Doctoral research fellow at ICB-CNR.
- November 2006-december 2009—Research Fellow at ICB-CNR.
- July 2005-december 2005—Synthetic Organic Chemist at Charnwood Molecular Ltd, U.K.
- February 2001-june 2001—Research Fellow at Fidia Oftal Company.

Research activity

- Organic synthesis: chiral auxiliaries, nucleosides, natural compounds' total synthesis, semisynthesis, synthesis of glycerophosphoinositols' analogues and derivatives, enzymatic biotransformations, functionalisation of flavonoids, project and synthesis of bioactive compounds.
- Valorisation of waste materials, quali-quantitative analysis of biological matrices.
- Cryogel.

Papers

- Hydroxytyrosol recovery from olive mill wastewater: Process optimization and development of a pilot plant. *CLEAN-Soil, Air, Water*; **2017**, *45* (4), 1600042; G. Fava, M.D. Di Mauro, M. Spampinato, D. Biondi, G. Gambera, G. Centonze, R. Maggiore and N. D'Antona.
- Enantioresognition of planar “metallocenic” chirality by a nitrile hydratase/amidase bienzymatic system. *Org. Biomol. Chem.*, **2016**, *14*, 4393; N. D'Antona, R. Morrone, G. Gambera, S. Pedotti.
- Glycerophosphoinositols: total synthesis of the first fluorescent probe derivative. *Synlett.* **2014**, 2111, G. Greco, N. D'Antona, G. Gambera, G. Nicolosi.
- A novel chemo-multienzymatic synthesis of bioactive cyclophellitol and epi-cyclophellitol in both enantiopure forms. *Tetrahedron Asymm.* **2010**, *21*, 2448, N. D'Antona, R. Morrone, P. Bovicelli, G. Gambera, D. Kubak, L. Martinkova
- An ytterbium-catalysed Intramolecular aldehyde–ene reaction approach to the guaianolide and pseudoguaianolide diterpenoids: Synthesis of the guaiane skeleton, *Synlett.*, **2006**, 3411, P. C. B. Page, G. Gambera, C. M. Hayman, M. Edgar.
- Synthesis of new chiral bicyclic sultams and their use as auxiliaries in asymmetric conjugate addition of Grignard reagents, *Tetrahedron: Asymm.* **2002**, *13*, 1915, U. Chiacchio, A. Corsaro, G. Gambera, A. Rescifina, A. Piperno, R. Romeo, G. Romeo.