

Neus Jornet Martínez studied Chemistry at the University of Valencia (2007-2011). She did her graduate's project at Department of Bioorganic & Medicinal Chemistry, Institut of Organic Chemistry and Biochemistry AS CR, v.v. i Praha by Erasmus grant funded by Generalitat Valenciana, Spain (2010-2011). The Master's Degree in Experimental and Industrial Organic Chemistry was obtained in 2013 by University of Valencia. She worked at Department of Organic Chemistry, University of Valencia (2011-2012). Since September 2013, she is PhD Scholarship beneficiary by PROMETO-045/2012 Program, Generalitat Valenciana, Spain. Prof. Pilar Campíns together with Dra. Yolanda Moliner supervised her doctoral Thesis. She did her stay at Department of Chemical Engineering and Biotechnology of Cambridge University (May 2014 to October 2014) in Elizabeth Hall research group.

In the last years, her research interests lie in study and implementation of new nanomaterials for design chemical sensors. Development of new supports for in situ estimation nitrogen compounds in air. Development of miniaturized sample pretreatment techniques: matrix solid phase extraction and in-tube solid-phase micro extraction (IT-SPME) with capillary liquid chromatography and UV diode array. Development of cost-effectives methods for the separation and quantification of phthalates in water and in human urine. Understanding the role of gold nanoparticles in influencing the folding, structure and function of the resultant proteins.

She is author of projects: *Development of new strategies to design device for in situ analysis*. (September 2012 to present) *Plamonic sensor for spermine detection in human urine sample* (September 2012 to July 2013) *Synthesis of sugar-modified derivatives of cytostatic 6-hetaryl-7-deazapurine nucleosides*. (September 2010 to July 2011). Also, she is author of two science paper published, coauthor of two more and two science paper submitted. She is inventor of one PATENT 201300436 and she has 5 presentations to international and national conferences (poster presentation). She has experience in teaching the Instrumental Analytical Chemistry subject (60 teaching hours) in the Analytical Department, University of Valencia (60 teaching hours).