

Patricia Pizarro is a Chemical Engineer (1999) from Complutense University of Madrid and PhD from Rey Juan Carlos University (2005) with European Doctorate mention and Extraordinary Award. She is currently a Full Professor at the URJC where, in addition to teaching, she has held different university management positions, highlighting: Director of the Master's Degree in Industrial Engineering; Coordinator of the 4th year of the Bachelor's Degree in Chemical Engineering and academic responsible for its external internships; Coordinator of the 4th year of the degree in Chemical Engineering and later of the 5th year of the degree in Chemical Engineering at the URJC.

Regarding the research work, her activity began at the Rey Juan Carlos University with the Doctoral Thesis focused on the development of mesostructured titanium dioxide with photocatalytic applications for the degradation of pollutants in aqueous phase. Related to the Doctoral Thesis, she carried out a short predoctoral stay at the "Laboratoire D'application de la Chimie A L'environnement (LACE)", Lyon (France), as well as a post-doctoral stay at the Max-Planck-Institute für Kohlenforschung, in Germany.

Her scientific activity has also covered other fields such as the development of heterogeneous catalysts for olefin epoxidation, hydrogen production by photocatalytic decomposition of water and catalytic decomposition of methane. Since 2012 she has been an Associate Researcher at IMDEA Energy Institute, focusing her greatest efforts and interest on the development of redox materials for application in thermochemical cycles and catalysts and sustainable processes for the recovery of organic waste (lignocellulosic, plastics, FORSU, tires, etc.).

She has participated or participates as a collaborating researcher in 22 research projects with public funding granted through competitive calls (2 European projects), 6 research projects in URJC calls and in 4 in R+D+i contracts of special relevance with companies and/or Administrations. She is, or has been, co-PI of 3 national projects, two of them awarded in 2022 and is the coordinator of the European project BIOCTANE (2022-2026). She is co-author of 92 scientific publications (h = 41; 5,172 citations, SCOPUS, nov. 2024) and more than 100 contributions to conferences, many of them international and in the form of oral communication. He has co-directed four doctoral theses and currently co-directs three others. Finally, she is currently the secretary of the Governing Board of the Spanish Zeolite Group (GEZ).