

Ester Vázquez – CV

Ester Vázquez (PhD 2000) is Professor of Organic Chemistry at the University of Castilla-La Mancha and Director of the Regional Institute for Applied Scientific Research (IRICA) where she directs a highly interdisciplinary group (MSOC Nanochemistry group).

Her research focuses on the synthesis, functionalization and application of nanostructures using sustainable methodologies, especially microwave radiations and ball milling techniques. Her group succeeded in the preparation of stable suspensions of graphene in water, which has allowed the biological exploration of this form of carbon under physiological conditions and the preparation of smart gels for applications in drug delivery, tissue engineering and soft robotics.