

Inés Moreno García holds a PhD in Chemical Engineering (Cum Laude, 2009) from the Universidad Rey Juan Carlos (URJC), where she specialised in the synthesis and application of Ti-containing hierarchical zeolites. She did predoctoral research at the California Institute of Technology (Caltech) under the supervision of Professor Mark E. Davis, focusing on the synthesis of zeolitic materials using ketal structure-directing agents. She then stayed six months as a postdoctoral researcher at the Institute of Catalysis at Cardiff University, working on the in situ production of H<sub>2</sub>O<sub>2</sub> for the oxidation of organic compounds.

Since then, her research has focused on the production of high-value fuels and chemicals from waste materials (such as lignocellulose, microalgae and ELTs) by pyrolysis processes, both thermal and catalytic. She has also studied the catalytic upgrading of pyrolysis oils by hydrotreating using transition metal-based bifunctional catalysts, and has worked on the development of biofilters based on activated carbons for the treatment of air pollution in urban environments.

Dr Moreno has published 39 articles in high-impact journals (h-index 21). She is co-author of a book chapter, and a patent and has presented more than 75 communications at national and international conferences. He has successfully supervised two PhD students. Her research experience includes participation in more than 15 public research projects, 3 as principal investigator, and 3 R&D contracts with industry.