

Dr Maria Perez-Page

I am Senior Lecturer in the Department of Chemical Engineering at the University of Manchester. My research focuses on membrane technology for electrochemical energy devices (EEDs) and separation processes. With over 15 years of expertise in electrochemistry I became an expert in designing and developing high selective membranes for EED applications, having applied electrochemical and advanced characterisation such as microscopy, spectroscopy and neutron techniques to evaluate their performance and understand the mechanism involved. I also made a significant contribution in the synthesis of graphene-based material *via* electrochemical exfoliation as well as its characterization and application into the next generation of electrochemical energy devices as part of the membrane and catalyst. In the past five years, I have expanded my expertise into other separation processes, particularly water desalination and gas separation. In my early stage of career have secured both external (~£1M) and internal funding (~£75k), establishing an independent research group *Membranes for Electrochemical and Separation Technologies* with six PhD students and two postdoctoral research associates. I have published 37 peer-reviewed papers in journals of high impact factor, having received over 1565 citations (total H-index: 31, Google Scholar). I presented my work in more than 40 international conferences in the field of electrochemistry, and I was part of the organising committee of the ISE Topical Meeting of Nanomaterials for electrochemistry, celebrated in Manchester in September 2024. Currently I am the Head of Postgraduate Research Students in the Department of Chemical Engineering at UoM and I was promoted to Senior Lecturer in August 2025.

I obtained the MEng, MSc and PhD degree in Chemical Engineering from the Universidad Politecnica de Valencia (Spain). Before I started as Lecturer in Chemical Engineering at the University of Manchester, I was Postdoctoral Research Associate at the University of California (US) and Research Associate in the Department of Chemical Engineering at the University of Manchester.