

## Curriculum Vitae



**Inmaculada Ortiz** is Professor of Chemical Engineering at the University of Cantabria, Spain, since 1996. She received her B.Sc. degree and Ph.D in Sciences (Chemistry) from the University of the Basque Country (Spain) in 1980 and 1985, respectively. In autumn of 1980 she was a postgraduate researcher at the Inorganic Chemistry Department, Giessen University, Germany and later, 1985-86 and autumn 1987 academic visitor at the chemical engineering department, Imperial College, University of London. From 1983 to 1992, she was Research Assistant and Lecturer in Chemical Engineering at the University of the Basque Country, and from 1992 to 1996 she was Lecturer at UC and professor of Chemical Engineering at the University of Huelva, Spain and visiting Professor at Wuhan University, China in 2010. She has been Fulbright Visitor at Carnegie Mellon University, Pittsburg in 2017.

She has been Head of the Chemical Engineering Department at UC in 1996-00, 03-04 and 2014-present; Chair of the Spanish National R&D Programs of “Environment” and “Chemical Products and Processes”, Ministry of Economy and Innovation, Spain in 1998 – 2002 and Chair of the National Scientific Panel “Chemical and Environmental Technology”, Spanish Agency of Evaluation and Prospective, ANEP in 2005-2008.

**HONORS and AWARDS:** She was elected to the National Academy of Sciences (Mathematics, Physics and Live Sciences) as correspondent member in May, 2008. She was awarded the XV Burdinola Research Prize “Industrial Applications of membrane Technologies” in 2010 and XV Premio de Invención e Investigación Química Aplicada “Profesor Martínez Moreno” in 2014.

### Research Activity

Her research interests are (i) Design of magnetically driven separation micro-devices (ii) membrane-based advanced separations for environmental, energy and industrial applications (iii) water and wastewater treatment in developing countries.

She has boosted the creation of the **Advanced Separation Processes** research group at UC that currently is formed by 10 permanent staff members, 3 research assistant, 20 PhD students and 2 technicians. She has co-authored over 200 papers in international journals, **h index = 41** and supervised **36 PhD** students.

### INTERNATIONAL RECOGNITION OF HER WORK

Her research work is characterised by a unique **combination of process fundamentals with applied aspects of innovative separation technologies**. This combination has worked as a tandem for her achieving progress in the understanding and optimisation of separation techniques and their integration into sustainable environmental processes.

The international recognition of her work is illustrated by regular invitations to international Conferences and specialised Workshops, e.g.. She has dictated over **60 specialised conferences** and **5 international courses** on the fundamentals and applications of advanced separation processes.

Professor Ortiz serves on the Editorial Advisory Board of the *Journal of Chemical Technology and Biotechnology*, and International Scientific Commissions and Panels, ICRA (Institute for Water Research), INTAS, JPI Water, EMS; she has chaired and participated in the Scientific Committee of International Conferences, **1<sup>st</sup> ICCE, 2012, 1<sup>st</sup> ILSEPT, 2011, PERMEA, 2010, 7<sup>th</sup> ECCE 2010, 4<sup>th</sup> ECCE, 2004 etc**; she has been Guest Editor for the Special Issues “Ionic liquids

in Separation and Purification Technologies”, SEPPUR Journal, volume 97, 2012 and **Journal of Chemical Technology and Biotechnology” , 2014**

**ADDED VALUE TO THE SOCIETY**

Dr. Ortiz Uribe has developed significant public outreach activities, aimed at the transfer of knowledge to the industrial sector and dissemination of science to both the specialist and the general public. For setting up the former, Dr. Ortiz Uribe has undertaken the responsibility and coordination of over **80 R& D grants and contracts** with public and private companies and organisations and in 2006 she promoted the creation of a knowledge based technological **spin-off** company, **APRIA SYSTEMS S.L.**

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