

***Molecular Phenomena in Conjugated Molecules:
A View Towards Organic Electronics***

Prof. Juan Casado

University of Málaga (Spain)

Friday 5th April, 2013. ICIQ Auditorium, 12 p.m.

Professional career



Juan Casado Cordón was born in Cuevas Bajas (Málaga) in 1971. He studied Chemistry at the University of Malaga where he obtained his Ph.D. in 1999 for research in vibrational spectroscopy on polyconjugated molecules under the supervision of Profs. J.T. López Navarrete, V. Hernández Jolín and F. J. Ramírez Aguilar. In 2000, he joined the group of Prof. Larry L. Miller in the Department of Chemistry of the University of Minnesota in Minneapolis (USA) where he conducted research in organic electrochemistry of conjugated molecules for two years. In the period 2004-2006 he was a visiting researcher in the Steacie Institute of Molecular Sciences of the National Research Council of Canada in Ottawa carrying out investigation in molecular photophysics. In 2002 he returned to the UMA with a Ramón y Cajal research position where he started to conduct investigation in spectroelectrochemistry and in photophysics of p-electron conjugated molecules with applications in organic electronics. In 2005 he was awarded the "Premio a Investigadores Noveles de la Real Sociedad Española de Química" and in 2006 the "Premio Tercer Milenio de la Junta de Andalucía" for young scientists. Since 2009 he is an Associate Professor of Physical Chemistry at the University of Málaga. Nowadays he carries out international collaborations with many of the most recognized research teams in the field of organic and molecular electronics.

Research Interests

His current research is focused on the analysis of the electronic structure of conjugated molecules with incidence in their mix valence behavior, diradicaloid properties, excited states interplay, non-linear optics, etc. Recent studies in Raman and infrared vibrational dichroisms need to be highlighted.