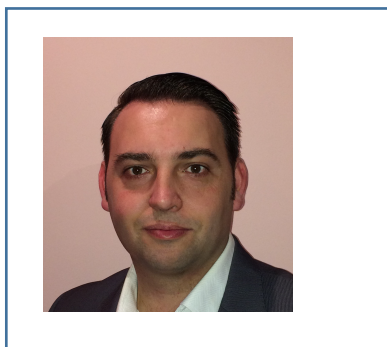


## PRESENTER INFORMATION



Name: Ros Lis

First name: Jose Vicente

E-mail: J.Vicente.Ros@uv.es

Institute/ affiliation: Universitat de Valencia (Spain)

### **BIOGRAPHICAL SKETCH**

Jose V. Ros-Lis is the Principal Researcher of the REDOLí research group (<https://redoli.blogs.uv.es>). The group seeks to improve society through multidisciplinary, collaborative, and applied research in the areas of recognition, sustainability, and innovation. Also actively collaborate with the Unit of Nanostructured Materials (UNM) led by Prof. Amoros. Nowadays, REDOLí-UNM is composed by 10 staff members. The doctoral thesis was defended in 2005 and obtained the mention of European doctorate and the Extraordinary Doctoral Thesis Award. He obtained the Lecturer position in the Inorganic Chemistry Department in 2021. From the beginning his research activity has had a markedly interdisciplinary character as corresponds to the development of chromofluorogenic chemical sensors, optoelectronic noses, nanozymes, and supramolecular and controlled release materials. Bibliographic indicators. Author of 62 publications in indexed international journals, almost all of them in Q1 and several in the first decile of their category. H-Index: 29. Author of 3 book chapters. Inventor of 7 patents. Director of 2 PhD Thesis. Since he reached the full-time position in the University of Valencia (2016), he has led 20 actions in competitive calls at regional, national, and European level and 4 R+D contracts with companies and associations. 3 of the projects as coordinator of diverse research centers and companies.

### **TITLE**

Silica Mesoporous Materials: synthesis, modification, and applications

### **ABSTRACT**

The synthesis and functionalization of silica mesoporous material is a well established area of research. We report herein the “atrane route” as a general approach for the preparation of those materials. Also we will describe some of our most recent results in the topic including microwave assisted synthesis, one pot preparation of SiO<sub>2</sub>-MO<sub>x</sub> materials, control of the pore wall thickness and thermal stability, catalysis, image, nanozymes, optoelectronic noses, and modulation of the enzyme activity