

## Expression of Interest

### Contact Person/Scientist in Charge

- **Name and surname:** Avelina García García
  - **Email:** a.garcia@ua.es
- Universidad de Alicante**

### Department / Institute / Centre

- **Name of institution:** Department of Inorganic Chemistry and Institute of Materials/Carbon Materials and Environment Research Group
- **Address:** Carretera Alicante - San Vicente
- **Province:** Alicante

### Research Area

- Chemistry (CHE)

### Brief description of the institution:

The University of Alicante (UA) was created in 1979. Today it educates and trains more than 36.000 students -2.500 of them are international students - and offers more than 80 undergraduate and 96 postgraduate programmes: consequently it is proportionally one of the fastest growing universities in Spain. The UA houses 227 research groups in Social and Legal Sciences, Experimental Sciences, Technological Sciences, Human Sciences, Education and Health Sciences and 15 Research Institutes (Water & Environment, Materials, Electrochemistry, Biodiversity, Chemical Processes and Organic Synthesis, and Modern Languages, among others). Thus, the UA employs over 2.400 researchers/ professors and has a complex management /administration structure of 1.300 people, which involves an annual budget of 175 million Euros.

UA is a young and dynamic university with vast experience in implementing EU funded projects in different programmes and areas, with presence in more than 60 countries worldwide. In the last 10 years, UA has successfully acted as coordinator of many Tempus, Alfa, Edulink projects involving Third Countries and Lifelong Learning and Framework Programme (FP, DG Research) Projects. Moreover, the participation in FP has been increasing in the last years, taking part in 25 5th FP, 26 6th FP, 45 7th FP projects (13 of them coordinated by UA), and 6 in H2020.

It is worth underline the big effort performed by UA in order to meet the commitment with the principles set out in the European Charter for Researchers and in the Code of Conduct for the Recruitment of Researcher

**Brief description of the Centre/Research Group:**

Professor Avelina García, Full Professor of Inorganic Chemistry, from the Carbon Materials and Environment Group, (belonging to the Department of Inorganic Chemistry -Faculty of Sciences- and the Institute of Materials) welcomes candidates Marie Skłodowska-Curie Individual Fellowships (MSCA-IF) at this University. The Carbon Materials and Environment research group performs high-quality research in Chemistry and in its applications to Adsorption, Heterogeneous Catalysis, Nanotechnology and so on. With a team of 34 people and 210 research projects done or under progress, it possesses a wide research experience in the fields of porous materials and heterogeneous catalysis, with special dedication concerning the environment.

<https://web.ua.es/en/mcma/carbon-materials-and-environment-research-group.html>

**Project description:**

The candidate will be incorporated into a research project based on preparation and characterization of free-noble metal ceria-based catalysts for Diesel and Gasoline exhaust depollution. The Research Group possesses coherent and long expertise in this area and has always ongoing financed projects from the Spanish Ministry of Science, Innovation and Universities and excellence projects from the local government. The candidate will acquire experience on the preparation of inorganic solids and nano-materials and will use sophisticated equipment for the characterization of catalysts and the measurement of the catalytic performances.

**Applications**

- CV
- Letter of motivation
- One reference letter

Candidates are invited to submit the documents to Prof. García (a.garcia@ua.es) by 15 July 2019