

PhD position available at the Instituto de Tecnología Química (ITQ, Valencia) in “Catalytic Hydrogenation of CO/CO₂ to Value-Added Fuels and Chemicals”

We are seeking for candidates to carry out the doctoral thesis at the **Instituto de Tecnología Química (ITQ)** in the field of Heterogeneous Catalysis. More specifically, the research to be developed in the PhD thesis will deal with the *development of active and selective catalysts for the hydrogenation of CO/CO₂ to carbon-neutral fuels and chemicals*.

The selected candidate will be offered a predoctoral contract for 1 year extendable to 4 years.

The PhD thesis will be associated to the “*Sustainable Chemistry*” doctoral programme of the Polytechnic University of Valencia (UPV, <http://www.upv.es/index-en.html>).

The research institution

The Instituto de Tecnología Química (ITQ) is a joint research center of the Spanish Research Council (CSIC) and the Polytechnic University of Valencia (UPV) and is located at the excellent UPV Campus in Valencia (Spain). ITQ is an international reference center in the field of catalysis and advanced materials and holds the prestigious *Severo Ochoa Excellence Accreditation*. Further information about the research activities, achievements, and facilities of ITQ can be found at the website: <https://itq-upv-csic.es/en>.

Candidate qualifications and requirements

- The candidates should hold a BSc degree in Chemistry, Materials Science, Chemical Engineering or a related discipline.
- Candidates should also hold (or be about to obtain) an MSc degree.
- Good written and oral communication skills in English.
- Skills in catalysis and materials science will be appreciated.

Contact

Interested candidates should send a CV and a motivation letter by email to **Prof. Agustín Martínez** (amart@itq.upv.es) before January 31, 2022.