

2017 UPV HOSTING OFFER FOR MSCA IF RESEARCHERS

PANEL 1. CHEMISTRY (CHE)

1. [Development of low modulus titanium alloys by powder metallurgy for biomedical applications](#)
2. [Development of conductive polymer-based materials for high-tech applications](#)
3. [Development of bio-based added-value polymer / polymer-based composites](#)
4. [Advanced encapsulation techniques of active chemicals from agricultural by-products for controlled delivery in active packaging.](#)
5. [Compact biophotonic platform for drug allergy diagnosis \(COBIOPHAD\).](#)
6. [Development of nanomaterials for controlled release applications.](#)
7. [Active films for food packaging applications based on biodegradable polymers](#)
8. [Synthesis and Electrochemistry characterization of protonic exchange membranes for energy application: PEMFC, DMFC, batteries and supercapacitors.](#)
9. [Synthesis and modification of new natural compatibilizers for application in mixtures of biobased polymers with application in medicine and packaging.](#)
10. [Use of biocompatible supports for the development of new antimicrobials and control release systems](#)
11. [Development of nanophotonic sensors for medical and environmental applications](#)
12. [Tuning the catalytic properties of Metal Organic Frameworks \(MOFs\) for the synthesis of fine chemicals](#)
13. [ABO₃ and A₂X₃ compounds at extreme conditions of pressure and temperature](#)
14. [Development of fibre optic sensors for novel applications: ranging from medical to aerospace applications.](#)
15. [Searching new suitable zeolites for petrochemical applications using molecular dynamics](#)