




Company Description

CIDETEC is a Technology Centre that brings together three leading international centres in the fields of Energy Storage, Surface Engineering and Nanomedicine. For more than 25 years, we have been working with leading companies to develop technology that makes the world a better place.

Information

 Deadline: 2024-02-29
 Category: Business
 Province: Gipuzkoa

 Country: Basque Country
 City: San Sebastián

Company

CIDETEC

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a greater future today

Main functions, requisites & benefits

Main functions

The Thesis Project will focus on both the development and evaluation of new low-adhesion/easy-to-clean PFA-free coatings derived from water-based or low-solvent/VOC compositions. Using the existing knowledge and experience within the unit, the PhD student will be responsible for: Designing and synthesising new formulations and using these to obtain coatings. Characterising (structural, chemical and functional) the coatings obtained and evaluation of their durability. Disseminating results (articles and presentations). In addition, the PhD student will have the opportunity to: Within European and national collaborations, interact and spend time with groups of international prestige. Participate in training and/or business transfer projects. Generate new ideas/concepts.

Requisites

Education: Degree in Chemistry or Materials Engineering and Master in Organic Chemistry, Polymers, Materials Science or similar. Languages: Fluent in spoken and written English. Knowledge: Synthesis and characterisation of (nano)coatings. Surface activation, surface modification: thin film manufacturing and application of coatings. Coating characterisation techniques (FTIR, profilometry, contact angle, surface free energy, etc.). Previous experience of experimental work in chemical laboratories and participation in training and/or industrial R&D projects will also be an asset. Observations: A highly motivated person, with a keen interest in research and innovation, you will join a multidisciplinary team. You will be able to organise your work, meeting both the deadlines and the established objectives. Problem-solving capacity and scientific criteria. Good communication skills, both verbal and written.

Benefits

At CIDETEC you will be able to develop your career alongside a team of top-level professionals, in a young yet committed environment, dedicated to innovation and seeking to provide practical solutions that result in a more sustainable world. Professional development opportunities that allow you to build a solid career, working on projects that transform both industry and society. Work with teams at the very highest level in local, national and European settings. Work-life balance initiatives. Continuous training. Privileged setting in a safe and friendly environment. Variable remuneration package for all employees.