Open research position on water treatment technologies at LEQUIA research group of the University of Girona (Catalonia, Spain)

We have one open position to conduct a pre-doctoral research work on water treatment technologies. The selected candidate will have a **1-year contract (starting on 01/01/2023) with possibilities of extending it 2 more years to conduct a funded PhD work**. Research topic is cascade reverse osmosis membrane recycling within circular economy framework. Place of work: Laboratory of Chemical and Environmental Engineering of the University of Girona - LEQUIA (Catalonia, Spain), with possibility of spending 2-4 months abroad (Australia or UAE) with top researchers and institutions. Researchers in-charge: Dr Gaëtan Blandin and Dr. Raquel García Pacheco. Reference: PhD-OSMO4LIVES.

Description

Applicants should fulfil the following requirements:

- Hold a bachelor's degree in chemical/environmental engineering, chemistry, materials engineering, environmental sciences or equivalent. Experience with membrane technologies and/or water processes is a plus.
- Have passed at least 60 ECTS of the master's Studies required to study a doctorate program in the University of Girona (300 ECTS including Bachelor studies).
- Have a good academic record and be fluent in English.

If you fulfil these requirements, are hard-working, highly motivated and interested in developing a career in applied research within the environmental/water engineering field, you may be the candidate we are looking for.

Who we are

LEQUIA (the Laboratory of Chemical and Environmental Engineering) is a research group of the University of Girona (Catalonia, Spain) devoted to the development of eco-innovative environmental solutions. LEQUIA projects involve environmental scientists, chemists, biologists, engineers and political scientists, among others. Our current research lines are: i) innovative bioprocesses for treatment, resource recovery and synthesis of new products; ii) physicochemical advanced processes for treatment and/or reuse of liquid and gas side streams; and iii) planning, control and evaluation of complex environmental systems.

Applications

Applicants should send the following documentation to Dr Gaëtan Blandin (gaetan.blandin@lequia.udg.cat) and Dr. Raquel García Pacheco (raquel.garcia@udg.edu) not later than **November 15th 2022**:

- The full CV with the average degree of the Bachelor and Master studies.
- A motivation letter.

What we offer

- Working in a multidisciplinary research group with a recognised trajectory within the water field.
- The necessary equipment and facilities to carry out your research work.
- Intensive contacts with fellow researchers across Europe and with industrial partners in Spain, across Europe, Australia and UAE. Possibility of conducting a research stay of 2-4 months abroad.
- Working in a research funded project (OSMO4LIVES) that addresses global environmental challenges, such as avoiding the deposition of plastic filters used in desalination into the landfills. OSMO4LIVES implements circular economy and sustainable processes. OSMO4LIVES investigates in green processes for recycling and reuse of old membranes, prolonging their first service life and being aligned with the circular economy and several SDGs.
- Support and guidance to develop your research career.
- Being close to the creation of Ecomemb company, spin-off, focused on sustainable membrane regeneration. See Ecomemb blog.

For further information on LEQUIA research, visit our website.

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