O&M forward osmosis-nanofiltration pilot plant

The role

To start up and keep the pilot plant under optimum performance conditions to feed an agricultural irrigation network. Membrane chemical and physical cleaning. Download the pilot plant online data (flowrate, pressure, electrical conductivity) and to process them in a MATLAB platform or similar.

What do we look for?

- **Qualifications**
  Chemical, agronomical engineer or equivalent.
- **Professional experience**
  Experience in membrane pilot plant operation will be appreciated.
- **Competences**
  Technical skilfulness to operate a complex plant. Driving license. English intermediate.

Working conditions

- **Contract duration**: **12-18 months**
- Estimated annual gross salary: Salary will commensurate with qualifications and experience.
- Target start date: December 1, 2020

The group

Environmental Pollution and Agriculture (EPA) is part of the Environmental Chemistry at IDEA.This research group is focused on the natural processes affecting to the fate of contaminants in the environment to find nature-based approaches to mitigate chemical pollution and the associated impact of human activity on the ecosystems. https://www.idaea.csic.es/research-group/environmental-pollution-and-agriculture-epa/

Institute of Environmental Assessments and Water Research (IDAEA-CSIC)
c/ Jordi Girona, 18-26. 08034, Barcelona (Spain)
www.idaea.csic.es

The institute

The **Institute of Environmental Assessment and Water Research (IDAEA)** is an environmental science institute devoted to the study of the human footprint on the biosphere. Much of the research work at this institute is centred on two of the great environmental challenges of our time: cleanliness and availability of water and quality of air.

Founded in 2008 as a member of the **Spanish National Research Council (CSIC)**, the Institute brings together a wide range of expertise in environmental science. It is organized under two Departments (Environmental Chemistry and Geosciences), established with a strong record of publication in top scientific journals, leading international projects, membership on international committees, and adopting a high-profile contribution to the identification and remediation of environmental problems.

IDÆA has demonstrated strengths in the analysis of organic pollutants and their impact on ecosystems, the study and management of water resources, the development of multivariate resolution algorithms in chemometrics, and in the study of inhalable particulate matter and toxic gases.

IDÆA has been recently awarded with the distinctive **Centre of Excellence "Severo Ochoa"** (2020-2023), distinction that indicates the high-quality scientific leadership and global impact of the work developed at the centre.

We offer a diverse and inclusive environment where no discrimination against disability, gender, nationality, religion or sexual orientation will occur during the selection process.

How to apply?

Those interested may email their **CV** and **motivation letter** to **Dr. J.M. Bayona** at e-mail: josep.bayona@idaea.csic.es, adding job offer to the email subject.

Deadline: November 8, 2020