

VACANCY CHARACTERISTICS	
Qualification (availability): Bachelor's degree (1)	Código: 230.3.05.01
Job tasks:	
<p>MACBIOBLUE project activities achievement:</p> <p>Activity 2.1.1 Demonstrative action of a processing plant from macroalgae beach cast for the extraction of bioactive compounds (fucoxanthin), evaluation of biomass for the use of ecological fertilizers and its potential for fish nutrition and other applications:</p> <ul style="list-style-type: none"> • Design, calculation, project, construction and assembly for a macroalgae beach cast processing system • Start-up, operation, maintenance, conservation and exploitation of systems for processing and storage of macroalgae beach cast <p>Activity 2.1.2 Demonstrative action of production of <i>Navicola salinicola</i> for the extraction of fucoxanthin and other applications.</p> <ul style="list-style-type: none"> • Design, calculation, project, construction and assembly of diatom culture systems. • Control, operation, maintenance, conservation and exploitation of biomass processing systems (diatom) <p>Activity 2.1.3 Demonstrative action of the technical feasibility of the production of <i>Dunaliella salina</i> in insular territories of the Macaronesian Region and its association with traditional saltworks.</p> <ul style="list-style-type: none"> • Design, calculation, project, construction and assembly of prototype salt generation systems + <i>Dunaliella salina</i> (patent processing) coupled to renewables energy • Start-up, operation, maintenance and exploitation (on-site testing (in traditional Canary saltworks)) of the salt + <i>Dunaliella salina</i> generation prototype (patent pending) coupled to EERR 	
Category: A	Contract type: Specified works and services (Specific Project MACBIOBLUE)
Division: R&D.	Departamento: Biotechnology.
Workplace: Playa de Pozo Izquierdo s/n, 35119 Santa Lucia	Provincia: Las Palmas.
JOB PROFILE	
<p><u>1.- Academic achievements:</u></p> <p>Senior Engineer or Bachelor's degree (or equivalent).</p>	

2.- Experience, knowledges

Minimum requested knowledges:

- Doctoral degree (PhD).
- Experience in International R&D projects of microalgae.

Experience (extra value):

- Experience in the design, construction and assembly of culture systems for microalgae and / or macroalgae, as well as the required auxiliary systems (photobioreactors, raceways, paddlewheel, carbonation systems...).
- Experience in design, control and instrumentation of microalgae and / or macroalgae production plants.
- Experience in start-up and operation of microalgae and / or macroalgae culture systems.
- Experience in coupling renewable energy supply with microalgae and / or macroalgae production and processing systems, as well as with auxiliary systems.
- Experience in design, construction and assembly of processing systems for microalgae and / or macroalgae (harvest and dehydrated), as well as auxiliary systems.
- Experience in design, control and instrumentation of processing plants for microalgae and / or macroalgae.
- Experience in start-up and operation of microalgae and / or macroalgae processing systems (downstream).
- Ability to endorse technical engineering projects at Engineers Colleges.

To prove the aforementioned knowledge, practical tests can be carried out.

3.- Requested qualities:

- Ability to work in a team, constructive and proactive attitude.
- Availability to travel.
- Self-sufficient and tidy person.
- Communicative skills.

SELECTIVE TESTS: Curriculum Vitae evaluation; and, in the judgment of the court, personal interview and / or practical test.