



Poste ouvert à candidature / Invited Application

**Post-Doc/ IR en
Post-Doc/Research Engineer in
Water treatment by microalgae**

CDD de 2 ans

2-year fixed-term contract until end of 2024

Open position in LGPM, University of Paris-Saclay, Gif-sur Yvette

ENVIRONMENT: LGPM (Department of Materials and Chemical Engineering), CentraleSupélec, Université Paris Saclay, Gif-sur Yvette, FRANCE.

The University of Paris Saclay, situated at 15 km of central Paris on its new campus has been ranked 13th in the world according to the Shanghai classification. CentraleSupélec is one of the top French Engineering Schools that specialises in graduating generalist engineers.

The department of Materials and Chemical Engineering is one of the departments of Centralesupélec with long-standing research activities in Chemistry, extraction processes, process engineering and materials research.

In the context of a European project (*Interreg NWE IDEA, grant number NWE639*) an opportunity has arisen to participate in a research program in conjunction with 9 European partners in the Northwest Europe (NWE) zone.

MISSION: The two-year mission is suitable for a post-doctoral researcher or a Research Engineer with an interest in a research career. The primary aim of the project is to investigate water treatment using selected

wild microalgae strains in low organic containing process and industrial water sources. To investigate the toxicity of different process waters and to adapt the water mineral composition to enable satisfactory growth of some of the microalgae consortia present in the process waters.

COMPETENCES: The minimum academic qualifications required for this position is a master (M.Sc.) degree but a doctorate is preferable. The ideal candidate would be experienced in microbiology and different culture techniques including photobioreactor, microplate and agar-plate cultures. A proven record of working with microalgae as well as direct experience in water treatment would be highly desirable. A good command of written English and a proven record of publication in peer-reviewed scientific publications is also required. A working knowledge of French would be highly advantageous but not essential.

PRACTICAL ASPECTS: The university campus is well connected to Paris by the bus and train networks (approx. traveling time of 1 hour to central Paris). Half of the cost of a transport cart can be met by the employer under normal conditions.

REQUIRED DOCUMENTS:

An up-to date *Curriculum Vitae* (CV) with a covering letter would constitute an application. The CV should contain an up-to-date list of the applicant's scientific publications (including the current impact factors of the journal where the articles have been published) and the contact details of at least three people, not related to the

candidate, who would be willing to provide confidential references. The above documents should be sent as attachments by e-mail. The file names of the document should be in the format **Surname_CV.pdf** or **Surname_LM.pdf** as appropriate.

Summary of requirements:

Master (MSc.) in a Microbially-related field
Preference for a PhD in the fields of process engineering, microbiology, or water treatment.
Publications in refereed journals
Ability to work in English

CONTACT:

The application process will be closed on 12 November 2021.

The successful candidate is expected to take up position on 2 January 2022.

Applications should be sent to:
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Information: +33 6 47 54 82 70