

JOB OFFER

Date: 16/01/2025

PRINCIPAL INVESTIGATOR: Raúl Muñoz Torre

RESEARCH CENTER: Institute of Sustainable Processes – University of Valladolid

JOB POSITION: Post-doctoral Researcher in Environmental Technology

PROJECT TITLE: ManuREfinery - Smart modular mobile biorefining of manure to zero-waste maximising resource and nutrient recovery for feed and fertiliser bioingredients in rural areas. **CORDIS ID:** 101157679.

PROJECT DESCRIPTION: The project aims at deploying a smart, modular, mobile and sustainable small-scale decentralised biorefinery that will convert livestock manure into added value biobased feed (microbial protein, caproic acid, protein enriched grass cake) and bioingredients (sodium nitrate, ammonium bicarbonate, p-rich ashes) for fertilisers.

Task to be performed include: basic and detailed engineering of pilot plants. Design, construction, and operation of bioreactors for the enrichment and optimization of microbiological processes such as nitrification, methane-to-protein conversion, and syngas-to-protein conversion. Operation of pilot plants at AGROCESA farms (Spain) and temporarily at farms owned by DENVER and INTEPROD (Romania) and the Agricultural Institute of Slovenia. Preparation of reports/papers and presentations. Other project-related tasks.

DURATION: 15/02/2025 - 30/09/2028

MONTHLY GROSS SALARY: €1,967 (< 4-year PhD) - €2,394 (> 4-year PhD)

REQUIREMENTS:

- Bachelor's and Master's degrees in Chemical Engineering, Environmental Engineering, or Biotechnology.
- PhD in Chemical Engineering, Environmental Engineering, or similar.
- Oral and written communication skills in English.
- Candidates should be motivated by research and professional development, with a serious and committed approach to their work responsibilities.
- Driving license.

CONTACT: raul.munoz.torre@uva.es

DEADLINE FOR APPLICATION: 22/01/2025

OTHER INFORMATION: CV should be sent to isp@uva.es before the deadline. The presentation of a motivation letter and references will be positively valued.



INSTITUTE OF SUSTAINABLE PROCESSES

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