

JOB OFFER

Date: 16/01/2025

PRINCIPAL INVESTIGATORS: Silvia Bolado Rodríguez & Israel Díaz Villalobos
RESEARCH CENTER: Institute of Sustainable Processes – University of Valladolid
JOB POSITION: Post-doctoral Researcher in Environmental Biotechnology

PROJECT TITLE: Sustainable Extraction of Valuable Bioproducts from Sewage Sludge: Analyzing Chemical and Biological Risks (SafeWW)

OFFER DESCRIPTION: The project addresses an important societal challenge: the safe and sustainable recovery of valuable components from an abundant and constantly growing waste stream - the sludge generated in wastewater treatment plants. The candidate will:

- Receive training in chemical engineering and analytical chemistry to handle the specialized process of recovering biomolecules using unconventional solvents.
- Contribute to the scientific and technical aspects of the project, bridging molecular biology with process engineering and analytical chemistry.
- Perform experiments on biomolecule extraction using novel solvents and purification techniques.
- Operate lab-scale anaerobic digesters and perform thermal hydrolysis.
- Prepare scientific articles, reports, and presentations.

DURATION: 2.5 years

ANNUAL GROSS SALARY: €27,500 (approx.)

REQUIREMENTS:

- PhD in Biology or Chemical Engineering.
- Expertise in molecular biology, including qPCR, databases, and bioinformatics, as well as microbiology and public health. Candidates with expertise in chemical/environmental engineering are also welcome.
- 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.

CONTACT: israel.diaz@uva.es

DEADLINE FOR APPLICATION: 31/01/2025

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

