

JOB OFFER

Date: 20/01/2026

PRINCIPAL INVESTIGATOR: Cristina González Fernández

RESEARCH CENTER: Institute of Sustainable Processes – University of Valladolid

JOB POSITION: Pre-doctoral Researcher in Environmental Technology

PROJECT TITLE: Short chain fatty acids production via anaerobic fermentation using high ionic strength waste streams

PROJECT DESCRIPTION: To demonstrate the potential of using high strength waste streams for carboxylates production through anaerobic fermentation, this project will play a key role in advancing circular economy principles. Tasks to be performed include:

- Explore the relationship between short chain fatty acids production and microbial populations.
- Assess the physical structure of anaerobic microbial systems and their effect on process performance.
- Communicate and disseminate research results through high-quality scientific channels, including peer-reviewed publications and presentations at international conferences.
- Supervision of master's or undergraduate students.

DURATION: 01/03/2026 - 28/02/2027

REQUIREMENTS:

- Master's degree in Biotechnology, Chemical Engineering, Chemistry or related areas.
- Experience on anaerobic digestion technology.
- Bioinformatics.
- Oral and written communication skills in English.

CONTACT: cgonfer@uva.es

DEADLINE FOR APPLICATION: 08/02/2026

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