

## **Sustain-FIT Postdoctoral Opportunity for International Researchers: Micropollutant Removal in Wastewater Effluent**

**Academic Supervisor:** Dr Muhammad Ali, Trinity College Dublin

**Industry Partner:** Glanua Group Ltd

### **Project Overview**

This project will develop and assess effective solutions for the removal of micropollutants from wastewater effluent, supporting compliance with emerging requirements under the revised EU Urban Wastewater Treatment Directive (UWWTD). The research will generate robust evidence to inform practical, scalable treatment strategies for wastewater systems.

### **About the Sustain-FIT Programme**

This position will be funded through the Enterprise Ireland Sustain-FIT programme, which supports industry–academic collaboration through a fully funded postdoctoral researcher. The researcher will be based at Trinity College Dublin while working closely with Glanua to deliver applied research with clear pathways to real-world implementation. More details about funding are on link: <https://www.enterprise-ireland.com/en/supports/sustain-fit>. As per application process, the application will be submitted by the potential International Researcher with the support of academics supervisor and industrial partner.

### **Research Focus**

- Identify and characterise key micropollutants of concern in wastewater effluent
- Evaluate and compare treatment approaches for micropollutant removal
- Assess performance, feasibility, and compliance potential of selected solutions
- Support the development of scalable treatment strategies with deployment potential

Where appropriate, specific technologies may be further assessed and refined.

### **Candidate Profile**

We are seeking a highly motivated postdoctoral researcher with:

- A PhD in environmental engineering, chemical engineering, or a related field
- Experience in wastewater treatment and/or advanced treatment technologies
- Strong analytical and problem-solving skills
- Interest in applied research and industry collaboration

- Eligible applicants are those of any nationality or residency who have not been resided or carried out their main activity (work, studies, etc) in Ireland for more than twelve months in the 36 months immediately before to the Sustain-FIT call deadline
- Detailed eligibility criteria are mentioned here: <https://www.enterprise-ireland.com/documents/sustain-fit-programme-terms-and-conditions-en-188640.pdf>

### **Why Apply?**

- Work on a high-impact, policy-driven environmental challenge
- Collaborate closely with industry to translate research into real-world solutions
- Contribute to scalable approaches with strong commercial and environmental potential
- Be part of a funded programme under Enterprise Ireland Sustain-FIT

Potential candidates are encouraged to contact Professor Muhammad Ali (Trinity College Dublin; [Muhammad.Ali@tcd.ie](mailto:Muhammad.Ali@tcd.ie)) and Sarah Maguire (Glanua; [smaguire@glanua.com](mailto:smaguire@glanua.com)) for informal enquiries. Interested applicants are invited to complete the application form available at: [Sustain FIT - international fellowship programme – Fill out form](#). Additional documents or information may be requested if required. The deadline for submission is **Monday, May 11, 2026**.