

Development of a Microbial Wastewater Treatment System for High-Capacity, Oil-Containing Effluents Contributing to Decarbonization (Friend Microbe Inc.)



City	Year of Establishment	Founder
Nagoya	2017	Katsuhiko Nishida

Partner VC	Latest round of Fundraising	Valuation
Genesia Ventures, Inc.	Pre-Series A	Non-Disclosure

Contact Information :
tel : 81-52-753-8208
email : web-info02@friendmicrobe.co.jp

Website : <https://friendmicrobe.co.jp/>

- Business Plan
Our company provides a wastewater treatment solution that combines a proprietary oil-degrading microbial formulation with a high-efficiency bioreactor system. Targeting industries with high oil and fat discharge—such as food processing plants, food service industries, and logistics facilities—our system offers energy-saving, cost-effective, and environmentally friendly alternatives to conventional physical and chemical treatment methods. This contributes to sustainable industrial operations and the realization of a circular society.
- Research Outline
In this project, we aim to commercialize a more advanced continuous microbial oil degradation treatment system than our current technology. We will conduct pilot-scale validation of system performance, examine key conditions required for scale-up, and identify technical considerations for full-scale implementation. Specifically, the project will include : scaling up the production system for the microbial formulation (starter culture); developing a continuous, automated microbial amplification and dosing device for on-site inoculum generation; and developing a continuous oil degradation system using microbial treatment in the main reactor.

Business Area/Field	Research Period	Research Grant Amount	International collaborative technology demonstration
Energy & Infrastructure	STS 2025FY	Non-Disclosure	-