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Authors: Yong Hu, Takuro Kobayashi, Guangyin Zhen, Chen Shi, Kai-Qin Xu



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Effects of lipid concentration on thermophilic anaerobic co-digestion of food waste and grease waste in a siphon-driven self-agitated anaerobic reactor

Yong Hu¹, Takuro Kobayashi^{1*}, Guangyin Zhen², Chen Shi³, Kai-Qin Xu^{1*}

¹Center for Material Cycles and Waste Management Research, National Institute for Environmental Studies, Tsukuba, 305-8506, Japan

²School of Ecological and Environmental Sciences, East China Normal University, Shanghai 200241, China

³Life and Environmental Sciences, University of Tsukuba, Tsukuba, 305-0005, Japan

*Corresponding authors:

Takuro Kobayashi and Kai-Qin Xu

National Institute for Environmental Studies, Onogawa 16-2, Tsukuba, 305-8506, Japan

Phone: +81-29-850-2339, Fax: +81-22-850-2560.

E-mail: kobayashi.takuro@nies.go.jp and joexu@nies.go.jp

Highlights

- Anaerobic co-digestion of grease trap waste and food waste is feasible.
- Higher methane yield was achieved in the co-digestion compared with mono-digestion.
- Biogas production decreased due to lipid accumulation at high lipid concentrations.
- Temperature and mixing frequency play a key role in the lipid distribution.

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