



Assessing the Viability of On-Farm Co-Digestion Systems

organized by the GreenFarm research team

Research partners



NUI Galway
OÉ Gaillimh



Waterford Institute of Technology
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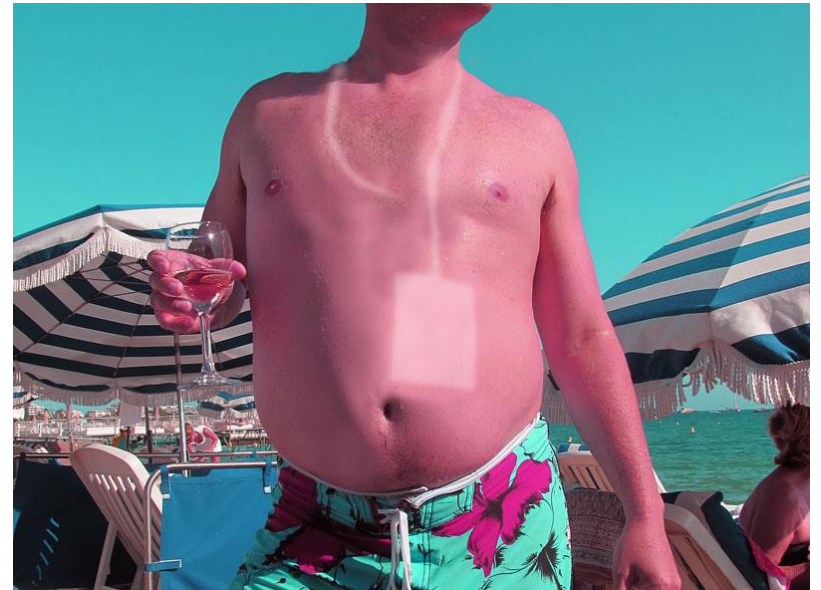
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- To help others know your name.





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A special thanks to :

JJ Lenehan

Eddie O'Riordan

Ann Gilsenan

Mary Murphy



GreenFarm project

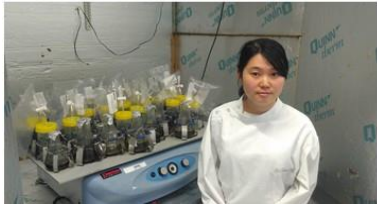
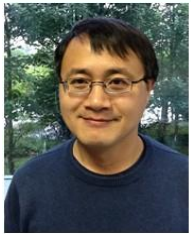
- Funded by Science Foundation Ireland
- Aims:
 - (1) To develop and evaluate an on-farm AD system co-digesting OFMSW and manures;
 - (2) To evaluate biosafety and quality of the digestate.

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Co-digestion of PM and OFMSW in lab-scale digesters

Evaluation of digestate quality and biosafety for use as a fertiliser



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Co-digestion of PM and OFMSW in the pilot-scale digester

Anaerobic biodegradability of widely used food/yard waste packing materials

Cost- benefit analysis and GHG emissions mitigation

Molecular analysis in co-digesters

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Morning session (chaired by Prof. Xinmin Zhan)

10:00	AD in Ireland: current barriers and future opportunities	Denis Dineen, Sustainable Energy Authority Ireland
10:35	ABP regulations and biogas plants; regulatory overview and common pitfalls	Justin Byrne, Department of Agriculture, Food and the Marine
11:00	Design and engineering of biogas plants	John Toner, WIS Group
11:25	The AD industry; A UK Perspective	Conor McEntegart, AD4Energy, UK
11:50	Overview of the Teagasc Grange biogas plant	JJ Lenehan, Teagasc
12:15	<u>Photographing, Visit to digester</u>	
1:00	Lunch	

Afternoon session (chaired by Dr. Peadar Lawlor)

2:00	Small scale biogas to grid in Ireland	James Browne, Gas Networks Ireland
2:25	Economic analysis of on-farm co-digestion of food waste and pig manure in Ireland	Conor Dennehy, NUI Galway
2:50	Dry anaerobic digestion	Yan Jiang, NUI Galway
3:15	Tea/Coffee break/networking	
3:30	Panel Discussion	
4:00	Closing	

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