

Pilot Demonstration of Ultrafast Conversion of Food Waste to Biofertiliser with Zero Solid Discharge

Objective

To develop a compact and modularized integrated pilot plant for biofertiliser production from food waste

Research members

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Brief background

- Incineration and landfill for food waste management are neither environmentally sustainable nor economically viable
- Global demand for biofertiliser has been projected to increase dramatically
- Food waste is a pool of various organic matter and nutrients

Process flow



Technical feature

- ✓ Green and environmental friendly without use of chemicals
- ✓ No nuisance odors
- ✓ Ultra-quick hydrolysis and small footprint
- ✓ Significant economic benefits from solid and liquid biofertilisers
- ✓ Modularized system with easy operation
- ✓ Zero solid discharge

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