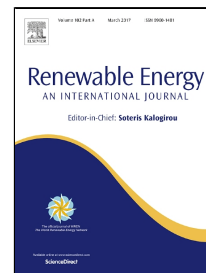


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Modelling methane production kinetics of complex poultry slaughterhouse wastes using sigmoidal growth functions

Aidan Ware, Niamh Power



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- The slaughterhouse wastes achieved methane yields of 261.35-594.59mLCH₄ gVS⁻¹.
- Methane production kinetics varied, identifying the unsuitability of common models.
- Three parameter models were unable to model methane production of high fat wastes.
- The fixed point of inflection of three parameter models being the root cause.
- Variability in the point of inflection critical through a fourth shape parameter.

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