

Accepted Manuscript

OPTIMAL NUMBER AND LOCATION OF STORAGE HUBS AND BIOGAS PRODUCTION REACTORS IN FARMLANDS WITH ALLOCATION OF MULTIPLE FEEDSTOCKS

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PII: S0307-904X(17)30701-1
DOI: [10.1016/j.apm.2017.11.010](https://doi.org/10.1016/j.apm.2017.11.010)
Reference: APM 12052

To appear in: *Applied Mathematical Modelling*

Received date: 14 March 2017
Revised date: 15 October 2017
Accepted date: 14 November 2017

Please cite this article as: Bhaba R. Sarker , Bingqing Wu , Krishna P Paudel , OPTIMAL NUMBER AND LOCATION OF STORAGE HUBS AND BIOGAS PRODUCTION REACTORS IN FARMLANDS WITH ALLOCATION OF MULTIPLE FEEDSTOCKS, *Applied Mathematical Modelling* (2017), doi: [10.1016/j.apm.2017.11.010](https://doi.org/10.1016/j.apm.2017.11.010)

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Highlights

- **Multi-residue, multi-hub, multi-reactor location-allocation problem for biogas generation**
- **Optimized allocation of feedstock to storage hubs in farmlands for biogas generation**
- **Developed a MINLP problem for optimal location of storage hubs and biogas reactors**
- **Developed a novel heuristic to improve efficiency as compared to optimal solution**
- **The methods has great significance in bio-methane gas generation and economy.**

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