

Review Form 1.6

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_94391
Title of the Manuscript:	KINETICS AND BENEFITS OF METHANOGENESIS OF POULTRY MANURE TO BIOGAS IN TERMS OF ENERGY AND EMISSIONS
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalijecc.com/index.php/IJECC/editorial-policy>)

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<ol style="list-style-type: none"> 1. The reference cited are old ; must consider the following ; <ul style="list-style-type: none"> * Biophotocatalytic Reduction of CO₂ in Anaerobic Biogas Produced from Wastewater Treatment Using an Integrated System. <i>Catalysts</i>, 12(1), p.76. https://doi.org/10.3390/catal12010076 * Current state of poultry waste management practices in Bangladesh, environmental concerns, and future recommendations. <i>Journal of Advanced Veterinary & Animal Research</i>. 2022 Sep 1;9(3). * Biogas production using poultry wastes, yam and plantain peels. <i>GSC Biological and Pharmaceutical Sciences</i>, 2022 19(1), pp.288-296. * Biogas Recovery from Poultry and Piggery Waste: A Review. <i>Biomethane through Resource Circularity</i>. 2022:83-95. * Response surface optimisation of biogas potential in co-digestion of miscanthus fuscus and cow dung. <i>International Journal of Technology</i>. 2018 Oct 1;9(5):944-54. 2. Present Graphical map of the location 3. Figure 1 and 2 , are poorly presented and not readable 4. All equations must be numbered 5. Table 3 , units must be provided for K , C -actual and predicted 6. Table 5 and 6 present equations on how those presented results were estimated 7. The conclusion is too ; pls expand 	
Minor REVISION comments	<p>In abstract : check bad language</p> <ol style="list-style-type: none"> 1- This technology is especially significant in rural areas, where energy shortages are a typical problem (reword his statement "This technology is very significant in rural areas ...) 2- Finally, the amount of electricity generated from poultry waste was calculated. With a 50 kW biogas power generator running for 10-12 hours per day, daily feeding of 5-6 tonnes of poultry litter resulted in the generation of 680 units of energy per day. (sentence is too long , remove Finally) 	
Optional/General comments	The manuscript needs thorough English proof reading and technical improvement on how the results are presented .	

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PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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