



Universidade Federal de Alagoas – UFAL
Unidade Acadêmica Centro de Tecnologia – CTEC



Campus A. C. Simões, 28 – December - 2016

The Scientific Committee of the Acta Scientiarum. Biological Sciences

Addition, we hereby direct the scientific paper entitled "**Anaerobic digestion of vinasse using bovine manure as inoculum**" for consideration and publication in this prestigious journal.

Vinasse, main residue of the sugarcane industry, has high pollutant content, being subject to the use in biogas production due to the high content of organic matter which is not toxic to microbial action. To have a consolidated process, it is necessary to study parameters that influence the process, being the amount of inoculum one of the major factors in the biological process of biogas production. This study examined the influence of the amount of manure as inoculum (0.5 to 5.5%) during the biodigestion process, evaluating variables such as chemical oxygen demand (COD), pH, biogas production, methane concentration, total solids and total phosphorus and nitrogen contents, as well as microbiological analyzes in the remaining sludge in the digester.

I should mention that this article is being submitted only to this Journal and never published before.

Right to rely on the evaluation of this Committee, I subscribe myself.

My best regards,

PhD Student at University of Padova – Italy

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