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Wilmar Alirio Botello Suárez[a,b], Juliana da Silva Vantini[a,c], Rose Maria Duda[d], Poliana Fernanda Giachetto[e], Leandro Carrijo Cintra[e], Maria Inês Tiraboschi Ferro[a,c] and Roberto Alves de Oliveira[a,b]*

[a] Post-Graduate Program in Agricultural and Livestock Microbiology, São Paulo State University (UNESP), School of Agricultural and Veterinarian Sciences, Jaboticabal, SP, Brazil.

[b] Laboratory of Environmental Sanitation, Department of Rural Engineering, São Paulo State University (UNESP), School of Agricultural and Veterinarian Sciences, Jaboticabal, SP, Brazil

[c] Laboratory of Biochemistry and Molecular Biology, Department of Technology, São Paulo State University (UNESP), School of Agricultural and Veterinarian Sciences, Jaboticabal, SP, Brazil

[d] Faculty of Technology, Jaboticabal, SP, Brazil

[e] Embrapa Informática Agropecuária, Campinas, SP, Brazil

* Corresponding author – Email: oliveira@fcav.unesp.br (R.A. de Oliveira)

Abstract

The effect of the organic loading rate (OLR) on the performance and microbial composition of a two-stage UASB system treating coffee processing wastewater was assessed. The system was operated with OLR up to 18.2 g COD $(L\ d)^{-1}$ and effluent recirculation. Methane production and effluent characteristics were monitored. The microbial composition was examined through next-generation sequencing and qPCR