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**Cultivation of oyster mushroom (*Pleurotus ostreatus* (Jacq.) P. Kumm) using coffee waste and pulp to mitigate caffeine and pulp related pollution**Juan Carlos Calderon Lopez<sup>1,2</sup> and Kampanad Bhaktikul<sup>1</sup><sup>1</sup>Mahidol University, Thailand<sup>2</sup>Jose Matias Delgado University, El Salvador

This paper aims to assess the technical, economic, and financial viability of cultivation of mushroom from coffee waste and pulp. The raw material characteristics and technical aspects were analyzed. In techno economic analysis, the investment is defined, and the financing of the project were explained. It is believed that production of mushroom from coffee waste and pulp is feasible as well as profitable in San Salvador. Use of coffee waste in the production of mushroom will prevent its dumping in landfills and thus be friendly to environment as well.

**Biography**

Juan Carlos Calderon Lopez has his expertise working in Agroindustrial, Tourism, Environmental and Food Safety Production projects since 2007 for Jose Matias Delgado University in El Salvador, Central America. He has managed projects of the International Cooperation of the Metropolitan Area of Barcelona since 2014 in the agricultural area of controlled environments, agroindustrial and food technology. Since February 2017 he is working as a Researcher and Foreign Expert for the Faculty of Environment and Resource Studies, Mahidol University, Thailand.

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