



## **Vermicomposting of duckweed with sheep manure**

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The contribution to the Lake of Maracaibo (Venezuela) of nutriments like the nitrogen and phosphorus through untreated sewage, industrial effluents and of shrimp farm and of non punctual sources as runoff in basin have contributed with the massive growth of the duckweed (*Lemna* sp.). This large amount of biomass produced could be transformed into a material of high agronomic value as fertilizer and/or soil amendment.

The aim of this study was to evaluate a system of vermicomposting of duckweed collected in Lake Maracaibo (LA) and sheep manure (EO) by chemical characterization of vermicompost obtained using the earthworms *Eisenia fetida* and *E. andrei*. The mixtures used were: 100% LA, 75% LA-25% EO, 50% LA-50% EO, 25% LA-75% EO and 100% EO by volume. Results have showed that the mixture of the duckweed with sheep manure improves chemical characteristic of the final vermicompost.