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Short Communication

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Microbial Decontamination Study of Medicinal Plants by Plasma Treatment

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***SUMMARY*. In the present work the microbial decontamination of some medicinal plants by plasma treatment using oxygen gas or a mixture of oxygen and hydrogen peroxide was investigated. The efficiency of the decontamination process was analyzed by the count of heterotropic microorganisms and pathogenic research. The results showed a reduction in the microorganism number such as 3 and 4 logarithmic cycles for ginkgo and artichoke, while it was not efficient for samples containing hard and thick cells, and mucilage, such as guarana and chamomile.**

KEY WORDS: Artichoke, Chamomile, Ginkgo, Guarana, Microorganisms, Plasma.

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