

A Simple Method to Obtain Essential Oils from *Salvia triloba* L. and *Laurus nobilis* L. by Using Microwave-assisted Hydrodistillation

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A microwave-assisted hydrodistillation protocol was modified to extract essential oils from leaves of *Salvia triloba* L. and *Laurus nobilis* L. The essential oils of these plants are generally obtained by hydrodistillation or steam distillation. The volatile compounds obtained by microwave-assisted hydrodistillation and hydrodistillation methods were analyzed by GC and GC/MS. Both distillation methods and analytical results were compared. 1,8-Cineole (46.8–54.2%) was the main component in the leaf oils of both samples. Although the distillation was accomplished in a shorter time, oil yields and 1,8-cineole contents were slightly higher in the microwave-assisted hydrodistillation compared to usual hydrodistillation. Microwave-assisted hydrodistillation appears to be an effective method for the production of essential oils.

Key words: *Salvia triloba*, *Laurus nobilis*, Microwave-assisted Hydrodistillation