

## Inventory of Aromatic and Medicinal Plants Used in Natural Cosmetics in Western Algeria

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**Abstract :** In order to know the traditional use of aromatic and medicinal plants in natural cosmetics, we carried out an ethnobotanical study using an online quiz among the Algerian population residing mainly in western Algeria (Oran, Tlemcen, and Mostaganem). Our study identified 37 plant species used as cosmetic plants, divided into 9 botanical families. The families mainly used and the richest in species are the lamiaceae, the apiacea, and the rutaceae. Our study states that the 5 species with the highest frequency of use and highest citation value are lemon, chamomile, turmeric, garlic, and lavender. Lemon takes first place in the order of frequency. The plants listed have been listed in tables grouping the identification of plants by their scientific and vernacular names, frequency of use, parts used, parts of the body concerned, desired action, as well as the main traditional recipes. This study allowed us to highlight the importance of aromatic plants and to appreciate their traditional practices in natural cosmetics.

**Keywords :** aromatic plants, ethnobotanical survey, traditional use, natural cosmetics, questionnaire, western Algeria

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