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## Phytochemical and Antioxidant Study of *Malva Sylvestris* from the West of Algeria

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Our work aims at studying medicinal and aromatic plants very well by the local population. It is called *Malva sylvestris*. The phytochemical tests, which had been done while studying these plants permitted to us to detect different families of the chemical compounds existing in both of these plant's leaves and the evaluation *in vitro* antioxidant activity of phenolic extracts by using the 2,2- diphenyl-2-picrylhydrazyl radical. *Malvasylvestris* is an edible plant that is consumed as a herbal supplement for its antiulcer and colon cleansing properties in traditional Persian medicine, thus appear to be rich plant secondary metabolites. These beneficial effects provide evidences that this plant can be suggested for patients with this disease to improve their health condition or to reduce adverse effects of their medication.

**Keywords:** Malva sylvestris, antioxidant, phenolic extract, phytochemical tests.