

GC-MS Analysis of Methanolic Extract of Leaves of *Rosmarinus officinalis* L. †

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Abstract: Currently, medicinal plants are gaining importance in pharmaceutical and scientific communities. Medicinal plants are the richest natural source of valuable phytochemicals, which can be very useful to treat human diseases and their dysfunctions. *Rosmarinus officinalis* L. is an important medicinal shrub that belongs to family Lamiaceae and is native to the Mediterranean region. During the present work, an investigation on the photochemical profiling of *Rosmarinus officinalis* leaves was done. The extraction was made by maceration using methanol as a solvent, and the dried crude extract was analyzed by GC-MS analyzer. Twenty-six compounds were observed from the leaf extracts and found that they have great significance in pharmaceutical science for therapeutically efficient formulations in order to combat various diseases.

Keywords: Bioactive compounds; *Rosmarinus officinalis*; GC-MS analysis; Phytochemical profiling.

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Conflicts of Interest

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