

Comparative Analysis of the Composition of Flower Volatiles from *Lamium* L. Species and *Lamiastrum galeobdolon* Heist. ex Fabr.

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The volatiles of fresh flowers from nine natural populations of four *Lamium* species and *Lamiastrum galeobdolon* were analyzed by GC/MS. 49 compounds, 43 of them new for *Lamium* and *Lamiastrum*, were identified. The studied samples showed similarity of the volatile profiles and dependence of the oil-composition on the collection site. Significant amounts of squalene were found in all samples. The presence of homological series of straight chain alkanes from C₁₂ to C₃₁ was shown. Phenethyl alcohol was found only in *L. maculatum* f. *alba*.

Key words: *Lamium*, *Lamiastrum*, Volatiles