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Essential Oil and Quinolizidine Alkaloids of *Retama raetam* (Forssk.) Webb & Berthel (Fabaceae) grown in Jordan

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Abstract: *Retama raetam* essential oils (EOs) and quinolizidine alkaloids (QA) composition were studied. A quantitative analysis using a GC-MS analysis of the flowers revealed the presence of monoterpenes (47.62%), monoterpene hydrocarbons (28.6%) and oxygenated monoterpenes (14.3%) and sesquiterpenes (47.6%), exclusively sesquiterpenes hydrocarbon. The principal oil component was 49% mesitylene. The young twigs of *R. raetam* revealed the presence of quinolizidine alkaloids (QA). The alkaloids identified were 5,6-dehydrolupanine, ?-isolupanine, 17-oxolupanine, anagyrine, ?-isospartine, and spartine; 17-oxolupanine was the major alkaloid in the twigs.