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## Improving Gas Chromatography-Mass Spectrometry Analysis of Essential Oils by Multivariate Curve Resolution: Full Identification of Co-eluting Compounds of *Dracocephalum moldavica* L.

By: Tajabadi, F (Tajabadi, Fateme)<sup>[1]</sup>; Khalighi-Sigaroodi, F (Khalighi-Sigaroodi, Farahnaz)<sup>[1]</sup>;Rezazadeh, S (Rezazadeh, Shamsali)<sup>[1]</sup>[View ResearcherID and ORCID](#)

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### Abstract

Methods such as gas chromatography of identification compounds of essential oil all overlapped signals must be resolved chromatography-mass spectrometry (GC) characterize the essential oil component to the medicinal importance of *D. moldavica* for the first time multivariate curve resolution means to the analysis overlapping peak exist in the *D. moldavica* essential oil analyses. However, with the help of MCR resolved components were extended to matching with reference spectra. Major components (5.28%), E-citral (30.40%), neryl acetate that combining MCR techniques with GC samples.

### Keywords

**Author Keywords:** *Dracocephalum moldavica*; Essential oils; Multivariate curve resolution-alternative least squares; Gas chromatography-mass spectrometry

**KeyWords Plus:** EVOLVING LATENT PROJECTIONS; ALTERNATING LEAST-SQUARES; 2-WAY MULTICOMPONENT DATA; GC-MS ANALYSIS; LIQUID-CHROMATOGRAPHY; VOLATILE COMPONENTS; CONSTITUENTS; RANK; CHEMOMETRICS; EXTRACTS

### Author Information

**Reprint Address:** Tajabadi, F (reprint author)

+ ACECR, Inst Med Plants, Dept Pharmacognosy, Karaj, Iran.

**Addresses:**

+ [ 1 ] ACECR, Inst Med Plants, Dept Pharmacognosy, Karaj, Iran

**E-mail Addresses:** [tajabadi@imp.ac.ir](mailto:tajabadi@imp.ac.ir)

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