Gas chromatography combined with mass spectrometry, flame ionization detection and elemental analyzer/isotope ratio mass spectrometry for characterizing and detecting the authenticity of commercial essential oils of Rosa damascena Mill

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#	Paper	IF	Citations
32	Effects of traditional Chinese medicine on rats with Type II diabetes induced by high-fat diet and streptozotocin: a urine metabonomic study. *African Health Sciences*, **2013**, 13, 673-81	1.1	8
31	Authenticity of essential oils. *TrAC - Trends in Analytical Chemistry*, **2015**, 66, 146-157	14.6	125
30	Essential Oils: What They Are and How the Terms Are Used and Defined. **2016**, 3-10		26
29	Complementary analytical methods for the phytochemical investigation of Jardin de Granville, a rose dedicated to cosmetics. *Comptes Rendus Chimie*, **2016**, 19, 1101-1112	2.7	3
28	Methods for the Characterization, Authentication, and Adulteration of Essential Oils. **2016**, 11-17		
27	Chemical profiling of Bulgarian rose absolute (Rosa damascena Mill.) using gas chromatography–mass spectrometry and trimethylsilyl derivatives. *Industrial Crops and Products*, **2017**, 108, 36-43	5.9	17
26	Stable isotope ratio analysis for authentication of red yeast rice. *Talanta*, **2017**, 174, 228-233	6.2	15
25	Authentication of virgin olive oil by a novel curve resolution approach combined with visible spectroscopy. *Food Chemistry*, **2017**, 220, 331-336	8.5	30
24	Essential oil counterfeit identification through middle infrared spectroscopy. *Microchemical Journal* , **2018**, 139, 347-356	4.8	17
23	Influence of Benzyladenine on Metabolic Changes in Different Rose Tissues. *Plants*, **2018**, 7,	4.5	1
22	Chromatographic Technique: Gas Chromatography (GC). **2018**, 415-458		3
21	Stimulated Brillouin scattering in combination with visible absorption spectroscopy for authentication of vegetable oils and detection of olive oil adulteration. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 206, 320-327	4.4	9
20	Plant Growth Regulators Improve the Production of Volatile Organic Compounds in Two Rose Varieties. *Plants*, **2019**, 8,	4.5	7
19	A comparative study of Saudi Arabia and Bulgarian Rose oil chemical profile: The effect of the technology and geographic origin. *Flavour and Fragrance Journal*, **2020**, 35, 584-596	2.5	4
18	Chemical profile and sensory evaluation of Bulgarian rose (Rosa damascena Mill.) aroma products, isolated by different techniques. *Journal of Essential Oil Research*, **2021**, 33, 171-181	2.3	4
17	Smartphone-based handheld Raman spectrometer and machine learning for essential oil quality evaluation. *Analytical Methods*, **2021**, 13, 4055-4062	3.2	3
16	Essential Oils as Natural Sources of Fragrance Compounds for Cosmetics and Cosmeceuticals. *Molecules*, **2021**, 26,	4.8	83

15	Essential oil content and composition in various ecotypes of damask rose from different ecological regions. *Acta Scientiarum Polonorum, Hortorum Cultus*, **2021**, 20, 61-69	1.6	
14	Subcritical Extracts from Major Species of Oil-Bearing Roses-A Comparative Chemical Profiling. *Molecules*, **2021**, 26,	4.8	1
13	The famous Turkish rose essential oil: Characterization and authenticity monitoring by FTIR, Raman and GC-MS techniques combined with chemometrics. *Food Chemistry*, **2021**, 354, 129495	8.5	13
12	Quantification of the Geranium Essential Oil, Palmarosa Essential Oil and Phenylethyl Alcohol in Essential Oil Using ATR-FTIR Spectroscopy Combined with Chemometrics. *Foods*, **2021**, 10,	4.9	0
11	Application of essential oils as preservatives in food systems: challenges and future prospectives a review. *Phytochemistry Reviews*, 1	7.7	3
10	A Novel qNMR Application for the Quantification of Vegetable Oils Used as Adulterants in Essential Oils. *Molecules*, **2021**, 26,	4.8	2
9	Chapter 13: Odds and Ends, or, All that?s left to printIndex. **2017**, 303-332		1
8	Optimized Method to Analyze Rose Plant Volatile Organic Compounds by HS-SPME-GC-FID/MSD. *Journal of Biosciences and Medicines*, **2017**, 05, 13-31	0.2	5
7	Anti-inflammatory Effects of Deuterium-Depleted Water Plus Mill. Essential Oil Via Cyclooxygenase-2 Pathway in Rats. *Turkish Journal of Pharmaceutical Sciences*, **2020**, 17, 99-107	1.1	7
6	Determination of enantiomeric and stable isotope ratio fingerprints of active secondary metabolites in neroli (Citrus aurantium L.) essential oils for authentication by multidimensional gas chromatography and GC-C/P-IRMS. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2021**, 1185, 123003	3.2	3
5	Rosa x damascena Mill. (Rose). *Handbook of Plant Breeding*, **2020**, 467-500	0.2	
4	Essential Oils and Their Individual Components in Cosmetic Products. *Cosmetics*, **2021**, 8, 114	2.7	13
3	Microwave-Assisted and Conventional Extractions of Volatile Compounds from Rosa x damascena Mill. Fresh Petals for Cosmetic Applications. *Molecules*, **2022**, 27, 3963	4.8	1
2	ARDIC BTKSNDN EFR YANIN ALINMASI VTFZKKMYV METODLARLA TDQQ *Aza rbadn Ali Tehniki Ma kta bla rinin Ha ba rlr i*, **2022**, 19, 15		
1	Validation of gas chromatographic methods for lavender essential oil authentication based on volatile organic compounds and stable isotope ratios. **2022**, 108343		0