

(Article)

Chemical Composition of Essential Oils from Leaves and Fruits of *Juniperus foetidissima* and Their Attractancy and Toxicity to Two Economically Important Tephritid Fruit Fly Species, *Ceratitis capitata* and *Anastrepha suspensa*

Mehmet Kurtca ¹, Ibrahim Tumen ^{2,*}, Hasan Keskin ³, Nurhayat Tabanca ⁴, Xiangbing Yang ⁴, Betul Demirci ⁵ and Paul E. Kendra ^{4,*}

¹ Department of Chemistry, Faculty of Science, Selcuk University, 42130 Konya, Turkey; mehmet.kurtca@selcuk.edu.tr

² Faculty of Health Sciences, Bandirma Onyedi Eylul University, 10200 Bandirma, Turkey

³ Department of Forest Products Chemistry, Faculty of Forestry, Bartin University, 74100 Bartin, Turkey; hkeskin@bartin.edu.tr

⁴ United States Department of Agriculture-Agricultural Research Service (USDA-ARS), Subtropical Horticulture Research Station (SHRS), 13601 Old Cutler Rd., Miami, FL 33158, USA; nurhayat.tabanca@usda.gov (N.T.); xiangbing.yang@usda.gov (X.Y.)

⁵ Department of Pharmacognosy, Faculty of Pharmacy, Anadolu University, 26470 Eskisehir, Turkey; betuldemirci@gmail.com

* Correspondence: tumen@bandirma.edu.tr (I.T.); paul.kendra@usda.gov (P.E.K.)

Supplementary material:

Citation: Kurtca, M.; Tumen, I.; Keskin, H.; Tabanca, N.; Yang, X.; Demirci, B.; Kendra, P.E. Chemical Composition of Essential Oils from Leaves and Fruits of *Juniperus foetidissima* and Their Attractancy and Toxicity to Two Economically Important Tephritid Fruit Fly Species, *Ceratitis capitata* and *Anastrepha suspensa*. *Molecules* **2021**, *26*, 7504. <https://doi.org/10.3390/molecules26247504>

Academic Editor: Luca Valgimigli

Received: 16 November 2021

Accepted: 08 December 2021

Published: 11 December 2021

Publisher's Note: MDPI stays neutral with regard to jurisdictional claims in published maps and institutional affiliations.



Copyright: © 2021 by the authors. Submitted for possible open access publication under the terms and conditions of the Creative Commons Attribution (CC BY) license (<https://creativecommons.org/licenses/by/4.0/>).

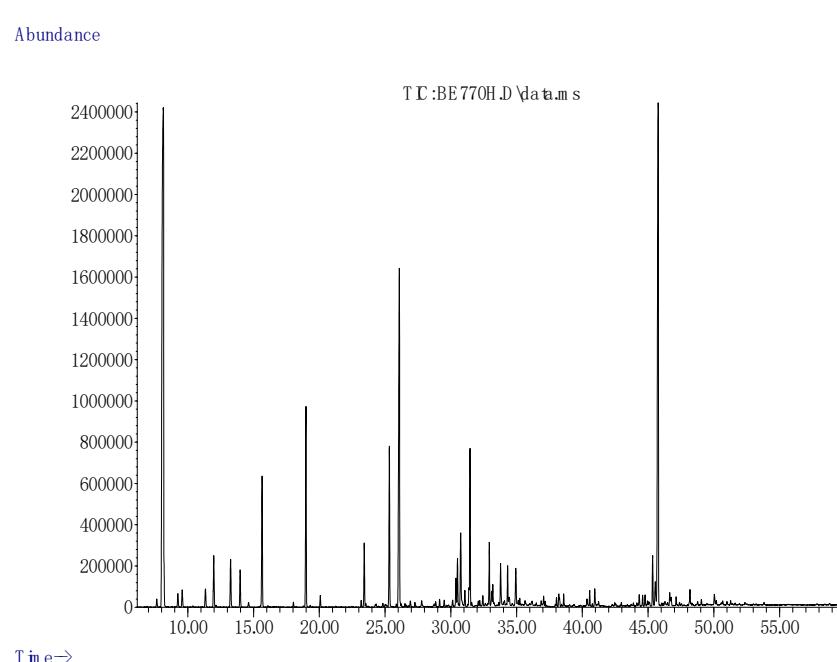


Figure S1. Total ion chromatogram of JFLEO

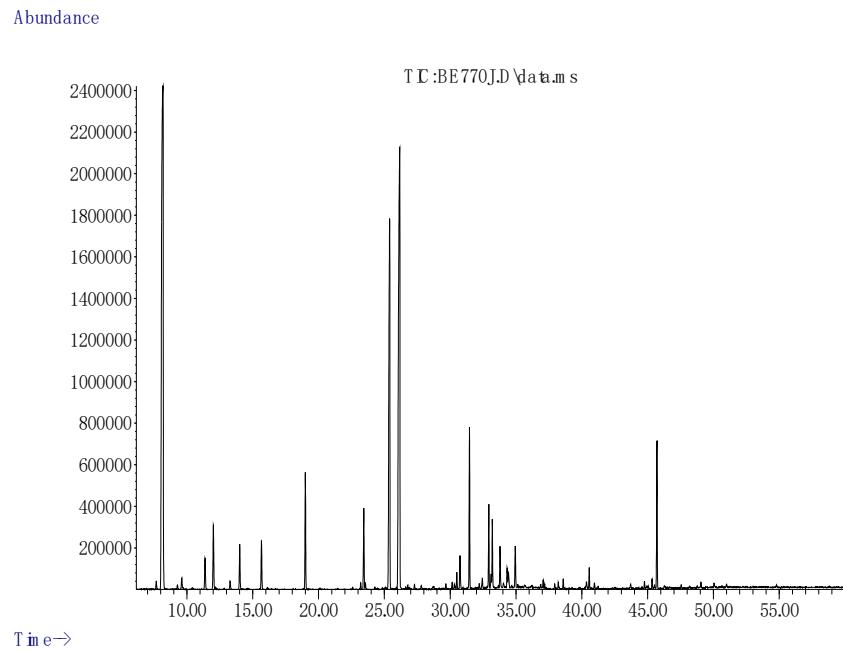


Figure S2. Total ion chromatogram of JFFEO



Figure S3. Juniper (*Juniperus foetidissima* Willd.) tree (Ankara (Beypazari), Turkey).

Photo credit: I. Tumen (I.T.)



Figure S4. Fruits and leaves of *J. foetidissima* (Ankara (Beypazari), Turkey).
Photo credit: I. Tumen (I.T.)