

Accepted Manuscript

CO₂ enrichment can enhance the nutritional and health benefits of parsley (*Petroselinum crispum* L.) and dill (*Anethum graveolens* L.)

Ahmed M. Saleh, Samy Selim, Soad Al Jaouni, Hamada AbdElgawad

PII: S0308-8146(18)31185-3

DOI: <https://doi.org/10.1016/j.foodchem.2018.07.046>

Reference: FOCH 23161

To appear in: *Food Chemistry*

Received Date: 26 February 2018

Revised Date: 6 July 2018

Accepted Date: 8 July 2018

Please cite this article as: Saleh, A.M., Selim, S., Jaouni, S.A., AbdElgawad, H., CO₂ enrichment can enhance the nutritional and health benefits of parsley (*Petroselinum crispum* L.) and dill (*Anethum graveolens* L.), *Food Chemistry* (2018), doi: <https://doi.org/10.1016/j.foodchem.2018.07.046>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



CO₂ enrichment can enhance the nutritional and health benefits of parsley (*Petroselinum crispum* L.) and dill (*Anethum graveolens* L.)

Ahmed M. Saleh^{1,2,*}, Samy Selim^{3,4}, Soad Al Jaouni⁵, Hamada AbdElgawad^{6,7,*}

¹Biology Department, Faculty of Science Yanbu, Taibah University, King Khalid Rd., Al Amoedi, 46423 Yanbu El-Bahr, Saudi Arabia.

²Department of Botany and Microbiology, Faculty of Science, Cairo University, Giza 12613, Egypt.

³ Department of Clinical Laboratory Sciences, College of Applied Medical Sciences, Aljouf University, Sakaka, P.O. 2014, Saudi Arabia.

⁴ Botany Department, Faculty of Science, Suez Canal University, Ismailia, P.O. 41522, Egypt.

⁵Department of Hematology and Youssef Abdulatif Jameel Chair of Prophetic Medicine Application (YAJCPMA), Faculty of Medicine, King Abdulaziz University, P.O. Box 80215, Jeddah 21589, Kingdom of Saudi Arabia.

⁶Department of Botany and Microbiology, Faculty of Science, Beni-Suef University, 62521 Beni-Suef, Egypt.

⁷Laboratory for Molecular Plant Physiology and Biotechnology, Department of Biology, University of Antwerp, Groenenborgerlaan 171, B-2020, Antwerp 2020, Belgium.

* Corresponding Authors asaleh@sci.cu.edu.eg, hamada.abdelgawad@uantwerpen.be

Running title:

eCO₂ improves the nutritional and health benefits of herbs

Keywords:

CO₂, Parsley, Dill, Metabolites, Nutritional value, Medicinal value, Biological activity

Download English Version:

<https://daneshyari.com/en/article/7584329>

Download Persian Version:

<https://daneshyari.com/article/7584329>

[Daneshyari.com](https://daneshyari.com)