

## Accepted Manuscript

Title: Use of ultra-high-performance liquid chromatography coupled with quadrupole-time-of-flight mass spectrometry system as valuable tool for an untargeted metabolomic profiling of *Rumex tunetanus* flowers and stems and contribution to the antioxidant activity



Authors: Jouda Abidi, Sonda Ammar, Samia Ben Brahim, Krystyna Skalicka-Woźniak, Zeineb Ghrabi-Gammar, Mohamed Bouaziz

PII: S0731-7085(18)31273-1  
DOI: <https://doi.org/10.1016/j.jpba.2018.09.001>  
Reference: PBA 12194

To appear in: *Journal of Pharmaceutical and Biomedical Analysis*

Received date: 28-5-2018  
Revised date: 28-8-2018  
Accepted date: 1-9-2018

Please cite this article as: Abidi J, Ammar S, Brahim SB, Skalicka-Woźniak K, Ghrabi-Gammar Z, Bouaziz M, Use of ultra-high-performance liquid chromatography coupled with quadrupole-time-of-flight mass spectrometry system as valuable tool for an untargeted metabolomic profiling of *Rumex tunetanus* flowers and stems and contribution to the antioxidant activity, *Journal of Pharmaceutical and Biomedical Analysis* (2018), <https://doi.org/10.1016/j.jpba.2018.09.001>

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.

**Use of ultra-high-performance liquid chromatography coupled with quadrupole-time-of-flight mass spectrometry system as valuable tool for an untargeted metabolomic profiling of *Rumex tunetanus* flowers and stems and contribution to the antioxidant activity**

Jouda Abidi <sup>a1</sup>, Sonda Ammar <sup>a1\*</sup>, Samia Ben Brahim<sup>a</sup>, Krystyna Skalicka-Woźniak <sup>b</sup>, ZeinebGhrabi-Gammar <sup>c</sup>, Mohamed Bouaziz<sup>c\*\*</sup>

<sup>a</sup>Laboratoire d'Electrochimie et Environnement, Ecole Nationale d'Ingénieurs de Sfax, Université de Sfax, BP1173, 3038 Sfax, Tunisia.

<sup>b</sup>Department of Pharmacognosy with Medicinal Plant Unit, Medical University in Lublin, 1 Chodzki Street, 20-093 Lublin, Poland.

<sup>c</sup>Laboratoire de production fouragère et pastorale, Institut National d'Agronomie de Tunisie, Tunisia.

**<sup>1</sup>The authors Jouda Abidi and Sonda Ammar contributed equally to this work and should be considered first authors.**

**Corresponding author:**

\*Dr. Sonda AMMAR, Tel: +216 52836427. E-mail: [sonda\\_ammam\\_sa@hotmail.fr](mailto:sonda_ammam_sa@hotmail.fr)

\*\*Prof. Mohamed BOUAZIZ, Tel: +216 98 667 581 / Fax: +216 74 674 364. E-mail: [mohamed.bouaziz@fsg.rnu.tn](mailto:mohamed.bouaziz@fsg.rnu.tn)

Download English Version:

<https://daneshyari.com/en/article/10154499>

Download Persian Version:

<https://daneshyari.com/article/10154499>

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