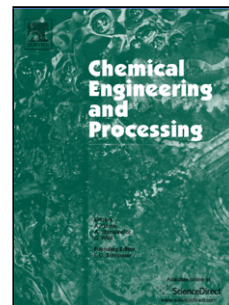


Accepted Manuscript

Title: New insights into the role of selective and volumetric heating during microwave extraction: Investigation of the extraction of polyphenolic compounds from sea buckthorn leaves using microwave-assisted extraction and conventional solvent extraction



Authors: Ana-Maria Galan, Ioan Calinescu, Adrian Trifan, Charles Winkworth-Smith, Miguel Calvo-Carrascal, Chris Dodds, Eleanor Binner

PII: S0255-2701(16)30484-6
DOI: <http://dx.doi.org/doi:10.1016/j.cep.2017.03.006>
Reference: CEP 6942

To appear in: *Chemical Engineering and Processing*

Received date: 8-10-2016
Revised date: 6-2-2017
Accepted date: 11-3-2017

Please cite this article as: Ana-Maria Galan, Ioan Calinescu, Adrian Trifan, Charles Winkworth-Smith, Miguel Calvo-Carrascal, Chris Dodds, Eleanor Binner, New insights into the role of selective and volumetric heating during microwave extraction: Investigation of the extraction of polyphenolic compounds from sea buckthorn leaves using microwave-assisted extraction and conventional solvent extraction, *Chemical Engineering and Processing* <http://dx.doi.org/10.1016/j.cep.2017.03.006>

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.

**New insights into the role of selective and volumetric heating during microwave extraction:
Investigation of the extraction of polyphenolic compounds from sea buckthorn leaves using
Microwave-Assisted Extraction and Conventional Solvent Extraction**

Ana-Maria Galan^a, Ioan Calinescu^a, Adrian Trifan^a, Charles Winkworth-Smith^b, Miguel Calvo-Carrascal^b, Chris Dodds^b, Eleanor Binner^{b*}

^a*Faculty of Applied Chemistry and Material Science, University «Politehnica» of Bucharest, 1-7 Gh. Polizu St., Bucharest, 011061, Romania.*

^b*Microwave Process Engineering, Faculty of Engineering, University of Nottingham, University Park, Nottingham, NG7 2RD, UK.*

*Corresponding author:

e-mail address: eleanor.binner@nottingham.ac.uk;

Phone: 0115 74 84960 (E.Binner)

e-mail addresses: am_popescu@chim.upb.ro (A.-M. Galan); ioan.calinescu@upb.ro

(I.Calinescu); adriantrifan2000@yahoo.com (A.Trifan); C.Winkworth-smith@nottingham.ac.uk

(C. Winkworth-Smith); Miguel.Calvocarrascal@nottingham.ac.uk (M. Calvo-Carrascal)

chris.dodds@nottingham.ac.uk (C. Dodds); eleanor.binner@nottingham.ac.uk (E. Binner).

Download English Version:

<https://daneshyari.com/en/article/4998209>

Download Persian Version:

<https://daneshyari.com/article/4998209>

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