

I. LUCRĂRI PUBLICATE ÎN REVISTE COTATE ISI:

1. Fertilization modifies the essential oil and physiology of basil varieties.

Marian Burducea, Valtcho D. Zheljazkov, Ivayla Dincheva, Andrei Lobiuc, Gabriel-Ciprian Teliban, Vasile Stoleru, Maria-Magdalena Zamfirache

INDUSTRIAL CROPS AND PRODUCTS, Volume 121, 1 October 2018, Pages 282-293, ISSN 0926-6690, <https://doi.org/10.1016/j.indcrop.2018.05.021>.

IF 2016: 3.181

2. Organic foliar fertilization increases polyphenol content of *Calendula officinalis* L.

Onofrei Vasilica, Teliban Gabriel-Ciprian, **Burducea Marian**, Lobiuc Andrei, Sandu Christiana Brigitte, Tocai Mariana, Robu Teodor

INDUSTRIAL CROPS AND PRODUCTS Volume: 109 Pages: 509-513 Published: DEC 15 2017, DOI: 10.1016/j.indcrop.2017.08.055

IF 2016: 3.181

3. Blue and Red LED Illumination Improves Growth and Bioactive Compounds Contents in *Acyanic* and *Cyanic Ocimum basilicum* L. Microgreens

Lobiuc Andrei, Vasilache Viorica, Pintilie Olga, Stoleru Toma, **Burducea Marian**, Oroian Mircea, Zamfirache Maria-Magdalena

MOLECULES Volume: 22 Issue: 12 Article Number: 2111 Published: DEC 2017, DOI: 10.3390/molecules22122111

IF 2016: 2.861

4. Effects of Se-enrichment on SPAD, fruit quality and growth parameters of strawberry plants in soilless growing system

Palencia Pedro, Martinez Fatima, **Burducea Marian**, Alberto Oliveira Jose, Giralde Inmaculada

REVISTA BRASILEIRA DE FRUTICULTURA, Volume: 38 Issue: 1 Pages: 202-212 DOI: 10.1590/0100-2945-294/14 Published: JAN-FEB 2016

IF 2016: 0.477

5. Influence of organic foliar fertilization on antioxidant activity and content of polyphenols in *Ocimum basilicum* L.

Onofrei Vasilica, **Burducea Marian**, Lobiuc Andrei, Teliban Gabriel-Ciprian, Ranghiuc Gabriel, Robu Teodor

Acta Poloniae Pharmaceutica – Drug Research, Vol. 74 No. 2 pp. 611–615, 2017

IF 2015: 0.84

II. LUCRĂRI PUBLICATE ÎN REVISTE BDI SAU COTATE CNCSIS B+

1. The influence of preceding plant cultivation on growth and physiology of an *Ocimum Basilicum* L. cultivar

Burducea Marian, Lobiuc Andrei, Costica Naela, Zamfirache Maria-Magdalena

SCIENTIFIC PAPERS-SERIES B-HORTICULTURE, Volume: 60 Pages: 225-232

Published: 2016

Revista SCIENTIFIC PAPERS-SERIES B-HORTICULTURE este indexata in Web of Science Core Collection in indexul ESCI (Emerging Sources Citation Index) insa nu are un factor de impact.

2. On the agricultural use of sewage sludge in Romania

Burducea Marian, Trofin Orest, Stoleru Toma, Lobiuc Andrei, Teliban Gabriel-Ciprian, Onofrei Vasilica, Zamfirache Maria-Magdalena

Agronomy Series of Scientific Research / Lucrari Stiintifice Seria Agronomie. 2016, Vol. 59 Issue 2, p147-150. 4p.

3. Preliminary phytochemical investigations of two new Romanian *Ocimum basilicum* L. cultivars.

Burducea Marian, Lobiuc Andrei, Onofrei Vasilica, Olteanu Zenovia, Ardelean Mirela, Zagnat Marin, Zamfirache Maria-Magdalena

Analele Stiintifice ale Universitatii Alexandru Ioan Cuza din Iasi. Sectiunea II A, Biologie Vegetala. 2016, Vol. 62 Issue 1, p116-117. 2p.

4. Popular culture and ethnobotanical use of basil.

Burducea Marian, Cazacu M.D., Rosenhech E., Cruceanu A., 2015.

The Proceedings of the International Conference Globalization, Intercultural Dialogue and National Identity, Târgu-Mureş, România, 2:496-502.

5. Morpho-anatomical aspects of two basil cultivars plantlets under experimental heavy metal contamination.

Burducea Marian, Lobiuc A., Rosenhec E., Constantin Toma, Zamfirache M.M.

Journal of ASM. Life Sciences, 2015, 2(326), 160-166.

6. Influence of ecological foliar fertilizers on yield and morphometric parameters in cultivated medicinal and aromatic plants (basil, marigold, artichoke)

Onofrei Vasilica, Teliban Gabriel-Ciprian, **Burducea Marian**, Honermeier Bernd, Jitareanu Carmenica Doina, Balan Christiana Brigitte, Galea(Deleanu) Florina-Maria, Robu Teodor

Agronomy Series of Scientific Research / Lucrari Stiintifice Seria Agronomie. 2016, Vol. 59 Issue 2, p285-288. 4p.

7. An experimental setup for assessing light and mineral nutrition effects on *Arabidopsis thaliana* heynh. phenotype

Stoleru Toma, **Burducea Marian**, Zamfirache Maria-Magdalena

Agronomy Series of Scientific Research / Lucrari Stiintifice Seria Agronomie. 2016, Vol. 59 Issue 2, p279-284. 6p.

8. Biological indicators of heavy metal in water and soil

Onofrei Vasilica, Teliban Gabriel-Ciprian, **Burducea Marian**, Teliban Iulian-Valentin, Robu Alexandru-Dragos

Agronomy Series of Scientific Research / Lucrari Stiintifice Seria Agronomie. 2015, Vol. 58 Issue 1, p157-160. 4p.

9. Phenolic contents and antioxidant activities in *Phaseolus coccineus* L. flowers.

Teliban Gabriel, **Burducea Marian**, Lobiuc Andrei, Rosenhech Elida, Stoleru Vasile, Onofrei Vasilica, Zamfirache Maria-Magdalena, Munteanu Neculai

Analele Stiintifice ale Universitatii Alexandru Ioan Cuza din Iasi. Sectiunea II A, Biologie Vegetala. 2016, Vol. 62 Issue 1, p150-151. 2p.

10. Effects of foliar ecological fertilization on inflorescence yield and chlorophyll parameters of *Calendula officinalis* L.

Onofrei Vasilica, Honermeier Bernd, Lobiuc Andrei, **Burducea Marian**, Teliban Gabriel-Ciprian, Jităreanu Carmenica Doina, Cotunoea Remus Ciprian, Robu Teodor

Analele Stiintifice ale Universitatii Alexandru Ioan Cuza din Iasi. Sectiunea II A, Biologie Vegetala. 2016, Vol. 62 Issue 1, p142-143. 2p.

III. LUCRĂRI PUBLICATE SUB FORMĂ DE CAPITOL ÎN CARTE

1. Municipal sludge amendments effects on growth and physiological parameters of *Ocimum basilicum* L. plants

Burducea Marian, Lobiuc A., Jigău Gh., Pintilie C., Virgolici M., Burducea I., Trofin I., Zamfirache M.M.

Edited by: Felix Stroe, Ioan Bica, Ileana Doina Vasilescu, Danube Eastern Europe Regional Water Forum International Conference Sludge Management 2016, Book Series: Sludge management - Conference proceeding, Editura ARA (Asociația Română a Apei), pages: 291-299, ISBN 978-606-93752-9-7, Conference: International Conference Sludge Management, Location: Palace of Parliament, Bucharest. Date: 16-17 mai, 2016.

2. Yield, physiological and biochemical parameters of *Cynara scolymus* L. under foliar ecological fertilization

Onofrei Vasilica, **Burducea Marian**, Lobiuc Andrei, Zamfirache Maria Magdalena, Teliban Gabriel-Ciprian, Robu Teodor

Edited by: Cimpeanu, SM; Fintineru, GG; Silviu, B, 5TH INTERNATIONAL CONFERENCE - AGRICULTURE FOR LIFE, LIFE FOR AGRICULTURE, Book Series: Agriculture and Agricultural Science Procedia, Volume: 10 Pages: 140-147 DOI:

10.1016/j.aaspro.2016.09.044 Published: 2016, Conference: 5th International Conference on Agriculture for Life, Life for Agriculture, Location: Bucharest, ROMANIA, Date: JUN 09-10, 2016 Sponsor(s): Univ Agron Sci, Vet Med Bucharest.

IV. PARTICIPĂRI LA CONFERINȚE NAȚIONALE ȘI INTERNAȚIONALE

1. IX Conference of Agronomy Students with international participation, 23-25 August 2017, Faculty of Agronomy in Čačak, Serbia.

Morphological and physiological response of a green-leaved and a purple-leaved cultivar of sweet basil (*Ocimum basilicum* L.) to biosolids amendments.

Marian Burducea, Maria-Magdalena Zamfirache.

2. International Conference Sludge Management, 16 – 17 May 2016, Palace Of Parliament – Bucharest, Romania.

Municipal Sludge Amendments Effects On Growth And Physiological Parameters Of *Ocimum Basilicum* L. Plants,

Marian Burducea, Andrei Lobiuc, Gheorghe Jigău, Cosmin Pintilie, Marian Virgolici, Burducea, Ion, Orest Trofin And Maria-Magdalena Zamfirache.

3. 9th Conference On Medicinal And Aromatic Plants Of Southeast European Countries, 26-29 May 2016, Plovdiv, Bulgaria.

Biochemical Parameters Of A New Romanian Basil Cultivar Grown On Municipal Biosolids Amended Substrates.

Marian Burducea, Andrei Lobiuc, Mihai Asandulesa, Mirela-Fernanda Zaltariov, Vasilica Onofrei, Maria-Magdalena Zamfirache.

4. Conferința Internațională A Universității De Științe Agronomice Și Medicină Veterinară Din București "Agricultură Pentru Viață, Viață Pentru Agricultură", 9 - 11 Iunie 2016, București, România,

The Influence Of Preceding Plant Cultivation On Growth And Physiology Of An *Ocimum Basilicum* L. Cultivar.

Marian Burducea, Andrei Lobiuc, Naela Costică, Maria-Magdalena Zamfirache.

5. A XII-A Ediție A Simpozionului Național Cu Participare Internațională „Plante Medicinale – Prezent Și Perspective” Piatra Neamț, În Perioada 06-09 Septembrie 2016.

Preliminary Phytochemical Investigations Of Two New Romanian *Ocimum Basilicum* L. Cultivars.

Marian Burducea, Andrei Lobiuc, Vasilica Onofrei, Zenovia Oltean, Mirela Ardelean, Marin Zagnat, Maria-Magdalena Zamfirache.

6. 2nd International Conference on Natural Products Utilization from Plants to Pharmacy Shelf, 14-17 October 2015, Plovdiv, Bulgaria:

Preliminary Phytochemical Investigations of Two New Romanian Basil (*Ocimum basilicum* L.) Cultivars.

Marian Burducea, Andrei Lobiuc, Zenovia Olteanu, Elida Rosenhech, Floarea Burnichi, MariaMagdalena Zamfirache.

7. The Xth International Congress of Geneticists and Breeders, 28 June – 1 July 2015, Chisinau.

Morpho-Anatomical Aspects Of Two Basil Cultivars Plantlets Under Experimental Heavy Metal Contamination.

Marian Burducea, Andrei Lobiuc, Elida Rosenhech, Constantin Toma, Maria-Magdalena Zamfirache.