

### **P.3.6. CORRELATION BETWEEN ANTHOCYANINS PIGMENTS FROM PURPLE POTATO LEAVES AND TUBER**

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Currently, there is a remarkable global interest to identify antioxidant compounds from plants. In the last decade research activities have focused on anthocyanin from fruits and potato because it is a water-soluble pigment that can be used as food dye in different products, but also on bioactive properties (with implications for human health). Selection of potato varieties with high content of anthocyanin is a priority. For selecting varieties it is aimed to identify quick and cheap methods used directly in the field during vegetation.

This paper presents preliminary results on the determination of anthocyanin in potato leaves (Blue-Congo and Blue-Violet of Gălănești varieties) by two different methods. As controls were used Romanian varieties Christian (red peel / white pulp) and Roclas (white peel and pulp). The total anthocyanins content from potato leaves was compared with the content from potato tuber in order to find a relation that will be useful to identify, directly in the field, the potato variety rich in these pigments. Anthocyanin content was determined in the field using ACM 200 plus (Anthocyanin Content Meter) and in the laboratory using the soaking in 1% acidified methanol.

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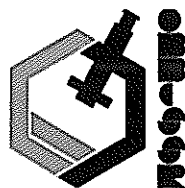
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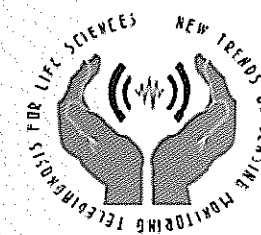
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# New Trends on Sensing- Monitoring- Telediagnosis for Life Sciences

NT SMT-LS 2015

Brasov, Romania, Sept. 3-5, 2015

## BOOK OF ABSTRACTS



### Editors

Mihaela BADEA  
Laura FLOROIAN  
Patrizia RESTANI  
Jean-Louis MARTY

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