

# ANTHOCYANINS AND POLYPHENOLS CONTENT IN RED MERLOT, CABERNET SAUVIGNON AND PINOT NOIR WINES FROM RECAS VINEYARD

— short communication —

Ecaterina LENGYEL, Letitia OPREAN, Ramona IANCU, Otto  
KETNEY, Ovidiu TITA<sup>1</sup>

*“Lucian Blaga” University of Sibiu, Faculty of Agricultural Sciences, Food  
Industry and Environmental Protection, Str. I. Rațiu 7-9, 550012 Sibiu,  
Romania*

**Abstract:** The characterization of the grape breeds for red wines has a distinct importance, both for viticulture and for oenology. The secondary metabolites, such as anthocyanins from red grapes, confer some specific and particular characteristics confer some specific and particular features to wines that can be influenced by environmental conditions, the conservation period and the culture technology that is applied. The present paper studies the evolution of the content of anthocyanins and polyphenols, specific for the red wines from the Recaș vineyard, the following breeds being selected: Merlot, Cabernet Sauvignon and Pinot Noir, production years 2010 and 2011. The obtained results showed the particular profile of the selected wine, with specific performance that emphasis on the viticulture potential of the area, in accordance to the worldwide viticulture tendencies, granting local breeds with a special importance in view of obtaining authentic products.

**Keywords:** *anthocyanins, polyphenols, Merlot, Cabernet Sauvignon, Pinot noir*

---

<sup>1</sup> Corresponding author. Mailing address: University “Lucian Blaga” of Sibiu, Faculty of Agricultural Sciences, Food Industry and Environmental Protection, Str. I. Rațiu 7-9, 550012 Sibiu, Romania. Phone: 0040/269/211338. Fax: 0040269212558. E-mail address: [ovidiu.tita@ulbsibiu.ro](mailto:ovidiu.tita@ulbsibiu.ro)