

Anthocyanins profile of *Vaccinium myrtillus* alcoholic extracts revealed by electrospray ionization/mass spectrometry

Ioana M.C. IENAȘCU*, Ionel BALCU, Adina E. SEGNEANU, Adina CĂȚA and Daniel DAMIAN

*National Institute for Research and Development in Electrochemistry and Condensed Matter,
144 Dr. A.P. Podeanu, Timișoara 300569, Romania*

Abstract. Alcoholic extracts of blueberries, *Vaccinium myrtillus* (bilberry), were analyzed by electrospray ionization - mass spectrometry (ESI-MS), in order to identify the anthocyanins in these extracts. The anthocyanin aglycons, cyanidin, peonidin, petunidin and some glycosides such as petunidin 3-rutinoside, peonidin 6-acethyl-3-glucoside, malvidin 3-arabinoside, delphinidin 3-arabinoside, cyanidin 3-xyloside (or cyanidin 3-arabinoside) were confirmed to be present in *Vaccinium myrtillus* extracts.

Keywords: anthocyanins extract, *Vaccinium myrtillus*, ESI-MS.
