



E313

**Effect of different chemical preservatives on the storage of sea buckthorn
(*Hippophae rhamnoides* L.) juice**

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Sea buckthorn (SBT) fruit is rich in biologically active compounds. It has considerable health benefits; thus it can serve as functional food ingredient. The aim of this study was to comprehensively characterize the fruit quality trait of juice SBT cultivar ("Leikora") grown in Hungary. Comparative studies on the effect of preservatives and storage on overall quality of sea buckthorn berry blended juice were carried out. Juices were prepared from juice of sea buckthorn and pomace of sea buckthorn by mixing their pomace in 9.95:0.05 (0.5%), 9.9:0.1 (1%) and 9.8:0.2 (2%). All the samples were packed in 210 ml transparent glass bottles and stored at ambient temperature for eight months. At each sample was analyzed for total antioxidant capacity (FRAP), total polyphenol content (TPC), pH and soluble solid content (SSC) at zero storage and at interval of 6 months up to 12 months. During storage, TPC and TAA and pH significantly decreased. The presence of valuable chemical and nutritionally important constituents in sea buckthorn juice, and from the scientific knowledge of their importance and can be use as alternative nutritional sources in the commercial market. We need to experiment with antioxidant details.

E314

Development of a sensory panelist screening software for beer evaluation

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The sensory evaluation of beer requires sufficient training and screening of the panel members. Several ISO standards provide sufficient guidelines for the preparation of the panelist selection test. However there is a lack of software support to prepare and implement the test sessions. The developed web-based software provides an instant feedback to the participants on their results and facilitates the screening of the test result database. Panelists can use their own mobile devices for test execution and for checking their own individual results.