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Study on Chemical Composition of *centaureakarduchorum*boiss. Species from Endemic Plants of Eastern Anatolia/Turkey

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*Centaureakarduchorum*Boiss. Belonged to the *Asteraceae* (*Compositae*)which is represented by 1100 genera and about 25000 species in the world. It has a total 1209 species in the flora of Turkey. Interms of the number of species, *Asteracea* family is the richest family in our country. The genetic origin of *Centaurea* genus is turkey which this genus is quite common. This plantused as digestion, diuretic, antipyretic, antidiabetic, anti-inflammatory and antibacterial. *Centaureakarduchorum* Boiss species spread naturally in the Van lake in the Eastern Anatolia Region of Turkey and is a perennial endemic species. The leaves of are consumed as herbal tea by the local people for the treatment of diabetes.

In this study, the nutritional values and mineral compositions of *Centaureakarduchorum*Boiss which grown as wildplants in Van region of Eastern Anatolia, Turkey were examined. The chemical character sestimated included as N, Na, Mg, K, Ca, P, S, Mn, Fe, Cu, Zn, Cr, Cd, Co as well as total ash, crude protein, crude fiber andpH.

A result of research, the ash content was obtained as 5.93 %, nitrogen content 1.75 %, crude protein content 10.93 %, pH 6.66 and crude fiber 32.58 %. Also, the detected values were as follow: Potassium content 5.57 g/ phosphorus 1.18 g/kg, magnesium 5.71 g/kg, sulphur 1.12 g/kg, manganese 79.56 mg/kg, zinc 15.18 mg/kg ve iron 583.56 mg/kg.

Keywords: Anatolia, mineral elements, *Centaureakarduchorum*Boiss.

Biography:

Ruveyde Tuncturk Graduated from Department of Field Crops, Faculty of Agricultural of YuzuncuYil University in 1998, got her master degree from same depertmant and university in 2001, her master thesis was “The Effect of Different Nitrogen Doses and Within Rows on Yield and Character of Potato (Solanumtuberosum L.) In Van Ecological Conditions” and got her Phd from same department and university in 2010, her doctorate thesis was “The Effects of Various Fertilizer Sources, Sowing Dates and Bacteria Inoculation on The Yield and Yield Components of Fenugreek (Trigonellafoenum-graecumL.) In Van Ecological Conditions”. Interested in various industrial plants (oil plants, starch and sugar plants, fiber plants), seed technology and physiology. Works since the December of 2001 at the Department of Field Crops, Faculty of Agricultural of YuzuncuYil University and now she is Associate Professor since 2013.