

Determination of biochemical content and some pomological characteristics of 4 hawthorn species (*Crataegus* spp.) grown in Erbil province, Kurdistan region, Iraq.

M. Saadatian, F. Peshawa, K. Asiaban, A. Karzan, and H. Muhammad

Abstract:

This study aimed to determine some pomological characteristics and biochemical of 4 hawthorn species *Crataegus azarolus* L. (Mamachka), *Crataegus aronia* L. (Mergasor), *Crataegus monogyna* L. (Semilan) and *Crataegus orientalis* L. (Qasre) grown in Erbil province, Kurdistan region governate, Iraq. There were statistically significant differences among hawthorn species in term of pomological characteristics and biochemical content. *Crataegus aronia* was indicated the highest antioxidant capacity 136 (%) and also *Crataegus monogyna* was the highest vitamin C 157.4 (mg/100g). *Crataegus aronia* had the highest 148 (mg/100g) in total phenol compounds. In this research result showed that the type of species effects on biochemical content and also Erbil province have more source in hawthorn species.