

GLOBAL APPLIED MICROBIOLOGY CONFERENCE

International Congress on &

MICROBIAL & BIOCHEMICAL RESEARCH AND TECHNOLOGIESOctober 18-19, 2017
Toronto, Canada**Study of antioxidant activity in extracts and alcohol (methanol, ethanol) Saffron petals****Elahe Khani**


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Medicinal plants are an important source of antioxidants; natural antioxidants increase plasma antioxidant power and reduce the risk of some diseases such as cancer, heart disease and stroke. Due to the toxicity and malnutrition effects of synthetic antioxidants in foods, the need for natural antioxidants from plants, which is less toxic and more effective, is a significant need. Saffron petals plant-rich sources of polyphenols have not been considered yet. The aim of this study was to evaluate the antioxidant and phenolic compounds of saffron petals. In this study, saffron petals extract was extracted separately with the solvents such as ethanol and methanol with 30, 70 and 90% and water. The concentration of phenolic compounds was evaluated by Folin Ciocalteu and its antioxidant activity by reduction of free radical DPPH. The results showed that the type and

amount of solvent have effected on the phenolic compounds and antioxidant, and a significant relationship between the number of phenolic compounds, and inhibitory effect was observed. Also with increasing concentration, anti-oxidants effect and polyphenol extract increases.

Speaker Biography

Elahe Khani completed her education in Occupational & Environmental Medicine in 2017 and Medical degree from Shiraz University of Medical Sciences int. branch, Somayeh High School in Sep 2002 - Jul 2006, Seminar on Developmental disorders in children in Shiraz University of Medical School . 2017, Research in renal stone patient. Jan 2007 - Jan 2014 and evaluate the relation between calcium, phosphorus level, pth hormone, creatinine and urea level in blood and urine in the patients with renal stone (adults and also children). she is family doctor in sina clinic and hospital Arsanjan(June 2016-Present).

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