

20th World Congress on

NUTRITION & FOOD SCIENCES

May 14-16, 2018 Tokyo, Japan

Bioactivity values with ultrasonication extraction and acute toxicity of *Nelumbo nucifera* Linn. flower extract for anti-aging drink**Buavaroon Srichaikul**

Mahasarakham University, Thailand

Health drinks currently are of popular demand globally. This study aimed to evaluate bioactivity quantities, toxicity, total phenolic contents, different extraction methods between ultrasonication, maceration with 40% and 50% ethyl alcohol during period of time. In Thailand the productions of anti-aging flower extract health do not meet the standard required by Thai FDA, therefore *Nelumbo nucifera* Linn. flower extract were tested for antioxidant activities with DPPH, FRAP, ABTS, total phenolic and HPLC. The study was found that the *Nelumbo nucifera* Linn. flower extract drink consisted of high contents of ferulic acid, rutin and catechin confirmed by HPLC. The result of acute toxicity analysis of *Nelumbo nucifera* Linn. flower extracts in Albino Wistar rats showed no sign of death or abnormality in Albino Wistar rats which could indicate no acute toxicity in *Nelumbo nucifera* Linn. flower extracts.

buacanada@gmail.com

Notes: