

# 3<sup>rd</sup> International Conference and Exhibition on **Nutrition & Food Sciences**

September 23-25, 2014 Valencia Convention Centre, Spain

## Purification and characterization of flavanones from different *Citrus* Sp.

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Hesperidin is a flavanone glycoside comprising the flavanone hesperitin and the disaccharide rutinose. The potential activity and chiral characteristic of hesperidin and hesperitin give a new research promotion in natural resource. Hesperitin are obtained in good yield by hydrolysis of hesperidin in energetic condition. Hesperidin, an abundant bioflavonoid in citrus fruits, has been reported to possess a wide range of pharmacological properties. In this study, hesperidin was extracted from leaves peel of three different citrus species, (*C.reticulata*, *C.clementina*, *C. sinensis*) and characterized with different spectroscopic methods.

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