

5<sup>th</sup> International Meeting on  
**TRADITIONAL & ALTERNATIVE MEDICINE**  
&  
International Conference on  
**ACUPUNCTURE AND MERIDIAN STUDIES**

April 23-24, 2019 | Rome, Italy

### **Preliminary phytochemical screening of five commercial essential oils**

**Bachir Raho Ghalem, Bellil Ali**

University of Mascara, Algeria

The discovery of natural resources from plants remains crucial for the development of new therapeutic remedies. The present study focused on the phytochemical study of commercial essential oils of certain medicinal plants: Thym (*Thymus vulgaris*), basil (*Ocimum basilicum*), sage (*Salvia officinalis*), Garden cress (*Lepidium sativum*) and lettuce (*Lactuca sativa*). The qualitative dosage of twelve secondary

metabolites showed the presence of terpenoids and saponins in all tested oils while steroids, alkaloids, anthraquinones and phlobatannins were absent. The results obtained are encouraging and the secondary metabolites present in these oils were responsible for certain activities, hence the interest of their uses in traditional phytotherapy as well as the pharmacological and cosmetic field.

### **Biography**

Bachir Raho Ghalem has completed his PhD in 2011 from Sidi bel Abbes University. He is the Co-Director of Process Engineering and Chemistry of Solutions Laboratory, University of Mascara, Mascara, Algeria. He has published more than 50 papers in reputed journals and has been serving as an editorial board member of repute.

[bachir\\_raho@yahoo.fr](mailto:bachir_raho@yahoo.fr)