

## Review Form 1.6

Journal Name:	<a href="#">European Journal of Medicinal Plants</a>
Manuscript Number:	Ms_EJMP_82573
Title of the Manuscript:	Assessment of Authenticity of Market Samples of Hypericum Using Phytochemical Fingerprinting Tools
Type of the Article	Original Research Article

### **General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalejmp.com/index.php/EJMP/editorial-policy> )

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**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Compulsory</b> REVISION comments		
<b>Minor</b> REVISION comments	<p><b>Abstract:</b> Recast your conclusion.</p> <p><b>Introduction:</b> Remove the word in general and recast “In general, depressive disorders, the leading cause of disability worldwide , are associated with non-selective serotonin and noradrenaline reuptake, inhibition of monoamine oxidase enzyme (MAO) and increasing the effect of GABA receptors”</p> <p><b>Recast:</b> “Additionally, new research have interestingly revealed its encouraging effects in the treatment of nicotine and alcohol addiction”</p> <p><b>Recast:</b> “In order to compare the chemotaxonomic and morphological characteristics of these species, a sample of <i>H. perforatum</i> was grown under the standard condition and used as a control in the present study”</p> <p><b>Material and Methods:</b>            Taxonomic and Morphological Screening (No reference)            GC/MS Analysis (No reference).            Recast: <i>Identification of volatile compounds and GC/MS fingerprints as “Identification of volatile compound”</i>            Preparation of Ethanolic Extract (No reference)  <b>Table 2. Essential oil compisition of various <i>Hypericum</i> Samples</b> (Present in page layout).  <b>Discussion</b></p> <p>The aim of this study was to evaluate the herbal samples presented as <i>Hypericum</i> in the Iranian herbal medicine market. In practice, various specimens of this plant with close macroscopic features are available under the name of <i>Hypericum</i> in Iranian herbal pharmacies which are prescribed to control or treat inflammatory and infectious diseases, depression and mental disorders. However, lack of careful monitoring of the sources, quality or mode of cultivation could sometime hamper the selection of the right specimens in the pharmaceutical market It is therefore mandatory to conduct regular screening of medicinal herbs available in the market. (Remove)</p> <p>Evidence have revealed that medicinal plants are sometimes contaminated with non active or toxic plants which are sometimes intentional, but in many cases, this is supposed to be due to the incompetence of the traditional sellers or therapists in the correct recognition of the genus or species.</p> <p>Considering the prescription and sales of unauthenticated or uncharacterized samples of medicinal plants, 12 samples, presented as <i>Hypericum</i> in the Iranian medicinal plant markets were collected from various cities. Each sample was then identified and their essential oil analysis and HPTLC fingerprinting were performed and finally all the samples examined for their total phenolic and flavonoid contents. (Recast)</p> <p><b>“The results of present study confirmed that all samples collected from different “</b>            Recast as “ Furthermore, the results of all samples collected from different.....revealed that .....  <b>STATISTICAL ANALYSIS (move to the last part of materials and methods)</b></p>	

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	There is need to write comprehensively on discussion, compare your results with previous work reported in literature. <b>Please revise thoroughly.</b> <b>Conclusion (revise)</b>	
<b>Optional/General</b> comments		

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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