



SDI Review Form 1.6

Journal Name:	Asian Journal of Applied Chemistry Research
Manuscript Number:	Ms_AJACR_42399
Title of the Manuscript:	Comparitive metabolite profiling of drought stressed leaf and stem of G. hirsutum L. using a gas chromatography-mass spectroscopy technique
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:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (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)
<u>Compulsory</u> REVISION comments	<p>The authors of the work "Comparative metabolite profiling of drought stressed leaf and stem of <i>G. hirsutum</i> L.." assessed the effect of stress caused by drought on the content of non-polar metabolites in leaves and stems of <i>Gossypium hirsutum</i> using a gas chromatography-mass spectroscopy technique.</p> <p>The work may be valuable, however, the authors should make some corrections and re-edit the discussion and conclusions.</p> <p>Authors should better justify the purpose of the research. The leaves and stems of <i>G. hirsutum</i> are not the main raw material obtained from this plant.</p> <p>The authors should provide the exact number of plants used for investigation., The results have no scientific value if the experiment was carried out using only two plants.</p> <p>There are repetitions in lines 70-85. In addition, the description of the operating principle for GC is unnecessary. This is comonly known.</p> <p>The authors should provide an example of chromatogram and provide the MS spectra to Supplementary material.</p> <p>Discussion and conclusions should be re-edited. The conclusion on the mechanism of accumulation of</p>	



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	metabolites in a plant is overstated. Such studies only provide information on the induction (or inhibition) of biosynthesis the metabolites connected with drought stress.	
<u>Minor</u> REVISION comments	<p>The authors should give the full Latin name of the plant in the title of the work.</p> <p>The authors should explain all abbreviations used in the work, eg: TMS, MSTFA, M.W., S.No., SI.No., ND.</p> <p>If the authors used standards (I.82) then they should provide their retention times in table 1.</p> <p>Was the qualitative analysis carried out using Kovats retention indices? If so, it should be written in the text. Such analysis is recommended.</p> <p>In Table 1, the column "Mass fragmentation" should be named "Mass data". Ions (M^+) are not fragmentary ions. In addition, the abbreviation "m/z" should be moved to the headline of the column: "Mass data (m/z)".</p>	
<u>Optional/General</u> comments		

Reviewer Details:

Name:	<i>Maciej Tadeusz Strzemiński</i>
Department, University & Country	<i>Medical University of Lublin, Poland</i>