

## Review Form 1.7

Journal Name:	South Asian Research Journal of Natural Products
Manuscript Number:	Ms_SARJNP_110956
Title of the Manuscript:	GC-MS Analysis and Biological Roles of Phytochemical Compounds in n-Hexane Extract of <i>Durio zibethinus</i> Murr. Seeds
Type of the Article	Original Research Article

### 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)
<p><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>1. The manuscript investigates the bioactive compounds found in the n-hexane extract of <i>Durio zibethinus</i> Murr. seeds by using gas chromatography and mass spectrometry (GC-MS), in order to better understand the chemical composition of this less studied part of the plant, and attempts to review the biological activities of the detected bioactive compounds.</p> <p>2. Yes</p> <p>3. <b>Repetition of content in methodology and don't mention the result in the methodology section</b> "Methodology: The n-hexane extract of the seeds was analyzed using Gas Chromatography–Mass Spectrometry. The Gas Chromatography–Mass Spectrometry (GC-MS) analysis of n-hexane extract from <i>D. zibethinus</i> seeds revealed the presence of twelve compounds".</p> <p>4. In <b>2.1 Sample Collection and Authentication</b>- Identification of samples and authentication was made by whom? In <b>2.3 GC-MS Analysis</b> – What was the injected volume? In <b>3. RESULTS section</b> - A small paragraph describing the results had to be written before the tables and figures. In <b>4. DISCUSSION section 4.1 GC-MS Analysis</b>- This section should be rewritten. You should discuss your results with other research works. The discussion should not repeat the results, but provide detailed interpretation of data. This should interpret the significance of the findings of the work. In <b>4.2 Biological Activities of the Phytochemicals Detected through GC-MS Analysis</b>- you should mention that it is an overview of the biological activities of the detected bioactive compounds present in the n-hexane extract of <i>Durio zibethinus</i> Murr. seeds</p> <p>5. <b>Yes</b></p> <p>6. <b>Yes</b></p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	Yes	
<p><b>Optional/General</b> comments</p>	The authors have put effort to evaluate the "GC-MS Analysis and Biological Roles of Phytochemical Compounds in n-Hexane Extract of <i>Durio zibethinus</i> Murr. Seeds". The authors describe the results undertaken with this in an organized manner, emphasizing the results obtained by them. The article needs modification for better cohesion of information to achieve the goal and the short comings which need to be considered. Hence, the paper can be accepted after MINOR REVISIONS are carried out.	

**Review Form 1.7**

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<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:**

Name:	<b>Bouriah Nacéra</b>
Department, University & Country	<b>Ibn Khaldoun University of Tiaret, Algeria</b>