

**Review Form 3**

Journal Name:	<b>Asian Journal of Biochemistry, Genetics and Molecular Biology</b>
Manuscript Number:	<b>Ms_AJBGMB_123674</b>
Title of the Manuscript:	<b>Pharmacognostic Study and Phytochemical profiling of dichloromethane extracts of the leaf and stem of Vernonia conferta Benth. and Vernonia colorata Drake. Asteraceae</b>
Type of the Article	<b>Original Research Article</b>

## Review Form 3

### PART 1: Review Comments

<b>Compulsory</b> REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p><b>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</b></p>	<p>The study is good and paper is written well. The demand for medicinal plants due to their natural antioxidant anti-inflammatory, antimicrobial activities divert the researchers to work. This study is significant because it provides rigorous scientific validation of traditional uses, and contributes to the broader understanding of medicinal plants. It supports the integration of traditional knowledge with modern science, and advancing the field of herbal medicine and its applications.</p> <p>The author can explain the process of extract.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>Can be modified as "Comprehensive Pharmacognostic and Phytochemical Profiling of Dichloromethane Extracts from <i>Vernonia conferta</i> and <i>Vernonia colorata</i> Leaves and Stems If feel.</p>	
<p><b>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</b></p>	<p>Yes, it summarized the work</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>ok</p>	
<p><b>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</b></p>	<p>Clear, well-defined objectives, Use of standardized and validated methods, Detailed, transparent reporting of data. rationale and justification. Work supported with references</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b> :</p>	<p>More References can be added Degu S, Meresa A, Animaw Z, Jegnie M, Asfaw A and Tegegn G (2024) <i>Vernonia amygdalina</i>: a comprehensive review of the nutritional makeup, traditional medicinal use, and pharmacology of isolated phytochemicals and compounds. <i>Front. Nat. Produc.</i> 3:1347855. doi: 10.3389/fntpr.2024.1347855</p> <p>Recent once</p>	

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<p>Minor REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>		
<p><b>Optional/General</b> comments</p>	<p>Overall write up is ok, understandable still it has scope for improvement.</p> <p>The section mentioned below please check the red once</p> <p><b>2.1 Collection and Identification of Plants Materials</b></p> <p>The fresh samples of <i>V. colorata</i> and <i>V. conferta</i> were collected in from Uyo and Ikono local</p> <p><b>2.2.3 Evaluation of Powders</b> Explain the reason for choosing dichloromethane extracts in the study rather methanol or water extract</p> <p><b>3. RESULTS AND DISCUSSION</b></p> <p><b>3.1 Qualitative and Quantitative Microscopy</b> 1. Stomata pore was widest in <i>V. colorata</i> <math>7.66 \pm 0.25 \mu\text{m}</math> and least with <math>7.66 \pm 0.25 \mu\text{m}</math> on the abaxial and adaxial surfaces respectively. Please check the values</p> <p>Figure 1: Resolution of the images need to be increased for better clarity. The labels A,B,C, ---- and other labels are not visible Scale can be mentioned on the microscopic images</p> <p><b>3.2.5 Solvents Extractive values</b> Please see <i>V. colorata</i> and <i>v. conferta</i> are in italics throughout the paper</p> <p>Maintain the uniformity for w/w font size, Check for unit <math>\mu\text{m}</math> present uniformly beside values in results and discussion Average value of ash content are in %, so in discussion please add Minor grammar mistake need to be checked Complete the sentence "Some phytochemicals fluoresce when illuminated." In discussion it is not clear</p>	

### PART 2:

	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>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

### Reviewer Details:

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