



**SDI FINAL EVALUATION FORM 1.1**

**PART 1:**

Journal Name:	<a href="#">Advances in Research</a>
Manuscript Number:	2014_AIR_9452
Title of the Manuscript:	MEDICINAL POTENTIAL OF ACALYPHA WILKESIANA LEAVES

**PART 2:**

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
<p>Nearly all of my original suggestions and comments were ignored by the authors and were responded to with the word "considered." The revised manuscript seems little changed from the original version. Therefore, my evaluation and comments on the revised manuscript remain essentially the same as my first review. The scientific content of this manuscript is not scientifically robust, although with proper revision it might be publishable as a shorter paper. In its current form it would not be acceptable for a top-tier, or even a middle-tier, journal.</p> <p>The analyses presented are extremely general and only consider basic chemical groups (e.g. total tannins, total phenols, total saponins, total alkaloids, etc.). No effort was made to identify the specific compounds, which would be much more useful. The authors' response to this suggestion in the original review was: "Agreed - to be considered in further studies." A reasonable approach would be for the authors to wait to publish their results until those further studies have been completed.</p> <p>A related concern is that even though results are presented only for basic chemical groups, the reader has no idea of how the results for <i>Acalypha wilkesiana</i> compare to other plant species. The authors try to make the point that <i>A. wilkesiana</i> has strong potential for use in developing new drugs, yet they provide no data to show how the chemical composition of <i>A. wilkesiana</i> compares to other plants. Are the concentrations of the various chemicals really higher in <i>A. wilkesiana</i> than in other plants? This would seem to be the most important part of the "Discussion." Instead, the authors provide a long - and largely irrelevant - discussion of assorted biological activities of basic chemical groups found in <i>A. wilkesiana</i> - but they really do not know what specific chemicals are present - only general groups. Before this manuscript would be publishable in a middle-tier journal, the discussion would need to be rewritten to give it a clear focus on the results presented in the paper rather than being a non-focused review of biological activities of various chemical groups.</p>	

**Reviewer Details:**

Name:	Rod Heisey
Department, University & Country	Department of Biology, Pennsylvania State University, USA