

Review Form 1.7

Journal Name:	Chemical Science International Journal
Manuscript Number:	Ms_CSIJ_119733
Title of the Manuscript:	Novel, Green Synthesis and Antimicrobial activity of Amine-Boranes
Type of the Article	Original Research Article

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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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none">1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)2. Is the title of the article suitable? (If not please suggest an alternative title)3. Is the abstract of the article comprehensive?4. Are subsections and structure of the manuscript appropriate?5. Do you think the manuscript is scientifically correct?6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none">1. Yes. This work presents "Novel, Green Synthesis and Antimicrobial activity of Amine-Boranes". Developing new and effective antibiotics are important issues.2. No. The title should be "Synthesis, Characterization, and Evaluation of Antibacterial Activity of Amine-Boranes."3. No. The authors should include the information they obtained from $^{11}\text{B-NMR}$, the result of the antibacterial test, and the conclusion of their work in the abstract.4. No.5. Yes. But the authors should work on the scientific English of the manuscript and elaborate on it.6. No. The authors expected to cite more recent and relevant literature to elaborate the novelty and importance of their work in introduction part. <p style="text-align: center;"><u>Additional Suggestions/Comments</u></p> <p>Comment 1: What made your method novel and green synthesis? Please explain it in the introduction part. If not modify your synthesis method.</p> <p>Comment 2: The authors did only antibacterial activity but use the word antimicrobial throughout the manuscript, which is wrong.</p> <p>Comment 3: The authors should clearly explain the innovation and importance of their work in the introduction of the manuscript. They should justify the value of the work and compare it with previously published papers. The introduction section needs to be elaborated.</p> <p>Comment 4: The authors should re-write an incomplete sentence on line three in the first paragraph of the introduction.</p> <p>Comment 5: The authors should write the complete terms of all abbreviations (Including the instruments) before the first use in the manuscript.</p> <p>Comment 6: The same citation styles for references in the text should be followed throughout the manuscript.</p> <p>Comment 7: The purity and brand of all chemicals should be included under the chemicals and reagents section. The authors should also include the brand and model of all instruments they used in this manuscript.</p> <p>Comment 8: IR and GC-MS were listed as instruments used in the study. But there is no result from these characterization techniques.</p> <p>Comment 9: The citation for Fig. 3 is missed. Thus, the authors should cite Fig. 3 in the text.</p> <p>Comment 10: The quality and label of Figs. 5 and 6 should be improved by replotting them, as they are difficult to visualize.</p>	

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	<p>Comment 11: Results and Discussion: The possible mechanism of the antibacterial activity of the synthesized materials should be discussed in detail by providing a schematic representation.</p> <p>Comment 12: MIC values should be evaluated for anti-bacterial</p> <p>Comment 13: Authors should do statistical analyses to compare the antibacterial activity of synthesized materials against each bacterial strain.</p> <p>Comment 14: Add a comparison table to compare the activity performance in this work with literature reports.</p> <p>Comment 15: Be consistent while you cite Table in text for instance you say Table 1 in some place Table I in other place and the same true for Table 2. Please fix these inconsistencies.</p> <p>Comment 16: Please write the correct overall caption for Fig. 7.</p> <p>Comment 17: Add reference for Table 1.</p> <p>Comment 18: ¹¹B-NMR result (spectra), Fig. 3, and antibacterial result (Fig. 7 and Table 2) with their discussion should be moved to the result and discussion section.</p> <p>Comment 19: The synthesized materials were not characterized using enough characterization techniques.</p> <p>Comment 20: The manuscript contains numerous grammatical errors, inconsistencies and typos. Please revise the entire manuscript carefully.</p>	
<p>Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?</p>	Fair	
<p>Optional/General comments</p>	In my opinion, the manuscript may be further considered for publication, but serious major revisions are needed, as outlined above, to enhance the quality of the manuscript.	

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

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