

### Review Form 3

Journal Name:	<a href="#">Chemical Science International Journal</a>
Manuscript Number:	Ms_CSIJ_127406
Title of the Manuscript:	Synthesis of new dihydropyrimidine-2-thione derivatives for antibacterial purposes
Type of the Article	Original research article

### Review Form 3

#### **PART 1:** Review Comments

<b><u>Compulsory</u></b> REVISION comments	Reviewer's comment	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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.	Synthetic approach for bioactivity is good for the research community.	Thank you to the reviewer
Is the title of the article suitable? (If not please suggest an alternative title)	No  Synthesis of new dihydropyrimidine-2-thione derivatives and their antibacterial screening.	Title of the article were revised.
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.	1. Abstract should have doses of the tested compounds along with reference drugs used in antibacterial screening.  2. Keywords should have comma rather than " –".	3. Doses of the tested compounds along with reference drugs used in antibacterial screening were added.  4. Keywords have comma.
Are subsections and structure of the manuscript appropriate?	YES	Thank you to the reviewer
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.	Yes With minor changes, its considerable.	Thank you to the reviewer
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =	Latest references and their elaboration in the introduction should be added to justify reasons for choosing target synthetic moieties.	Latest references and their elaboration in the introduction were added to justify reasons for choosing target synthetic moieties.

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Minor REVISION comments	Little bit can be refined.	Have been refined
Is the language/English quality of the article suitable for scholarly communications?		
Optional/General comments	<p>Suggestions are pointed to editor's report make impressive manuscript earlier to its publication.</p> <p><b>Author(s) suggested to make following corrections-</b></p> <ol style="list-style-type: none"><li>1. Title should be revised to emphasize more on synthetic work. So, it can be Synthesis of new dihydropyrimidine-2-thione derivatives and their antibacterial screening.</li><li>2. Keywords should have comma rather than " –".</li><li>3. Abstract should have doses of the tested compounds along with reference drugs used in antibacterial screening.</li><li>4. Introduction is short and provided references are old. Introduction should be written a little bit more elaborative with more advanced/current references to explore the connectivity of the targeted moieties with possible selected pathogens.</li><li>5. Under Experimental section:<ol style="list-style-type: none"><li>a. If writer is giving a general synthetic methodology for the synthesis of derivatives of the series, then again synthetic procedure for each derivative of time can be skip. Then its IUPAC name (number) followed by analytical, spectral characterization data will be sufficient.</li><li>b. <b>2.2 General procedure for the synthesis of chalcones 3a-h sentence</b>"is not showing whether it was at RT/heating. Temperature conditions should be mention here.</li><li>c. <b>(Z)-chalcone 3a</b> should have its IUPAC name.</li></ol></li><li>6. Under the section of <b>3. Results and discussion, after Table 1 at bottom, .....</b> revealed a medium biological activity .....mentioned . Medium can be edit with mild/milder in discussion also.</li></ol>	All the points 1 to 6 were taken into consideration.

**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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	No