

## Review Form 1.7

Journal Name:	Asian Journal of Chemical Sciences
Manuscript Number:	Ms_AJOCS_109693
Title of the Manuscript:	Synthesis and Antimicrobial Assessment of Chalcones and their Pyrimidine derivatives
Type of the Article	Heterocyclic Synthesis

### 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. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>It may be important after few major corrections</p> <p>It may be write as- Antimicrobial Assessment of synthesized chalcones and their pyrimidine derivatives or Synthesis and characterisation of Chalcones and their pyrimidine derivatives and their Antimicrobial Activities</p> <p>Should be mention in abstract as well as in manuscript which parts are responsible for inhibitory effect against bacteria and fungi organisms of the synthesized ZB and ZA compound.</p> <p>Draw suitable mechanisms of synthesied ZA and ZB compounds.</p> <p>NO, Authors should be mention good pictures of the antibacterial and antifungal Zone of inhibition colonies with appropriate data and characterisation spectra are not appropriate such as 3600 ArOH, 1724 of C=O, 6.41- 8.17 Ar-H, etc. check it.</p> <p>Introduction part is too short, improve its strength with more references</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	OK	
<p><b>Optional/General</b> comments</p>	<p>1. Should be mention in abstract as well as in manuscript which parts are responsible for inhibitory effect against bacteria and fungi organisms of the synthesized ZB and ZA compound.</p> <p>2. In 2.7 synthesis method author used KOH but in the Figure-1 mentioned NaOH, check it. And what mean about R<sub>2</sub> of figure-1</p> <p>3. Nomenclature of the 2.8 compound is not according to figure-1</p> <p>4. Authors should be mention good pictures of the antibacterial and antifungal Zone of inhibition colonies with appropriate data and characterisation spectra are not appropriate such as 3600 ArOH, 1724 of C=O, 6.41- 8.17 Ar-H, etc. check it.</p>	

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**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>Saurabh Singh</b>
Department, University & Country	<b>M.L.V. Government College, MDS University, India</b>