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Journal Name:	**Asian Journal of Physical and Chemical Sciences**
Manuscript Number:	**Ms_AJOPACS_40562**
Title of the Manuscript:	**Green Chemistry Approach for Synthesis of Bioactive 2-Thiobarbituric Acid Derivatives**
Type of the Article	**Original Research Article**

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty'**, provided the manuscript is scientifically robust and technically sound.
To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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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)*
Compulsory REVISION comments		
Minor REVISION comments	The paper titled "**Green Chemistry Approach for Synthesis of Bioactive 2-Thiobarbituric Acid Derivatives**" described synthesis of five derivatives of 2-thiobarbituric acid under microwave irradiation (MWI) and investigate their biological activities. The following comments should be considered before the final decision made. 1. Manuscript must undergo significant proofreading and editing. There are many incorrect sentences. 2. The introduction part of manuscript has deficiency citation and author should cite the latest references relevant to microwave works like Ajmal R. Bhat et. al. Journal of Advanced Research, (2015) 6, 941–948. 3. Authors should mention aqueous ethanol as solvent at line no13 & 19 instead of 25 ml rectified spirit and 25 ml water 4. Please justify the role of solvent in Mw synthesis 5. Why authors should not try to synthesis of Bioactive 2-Thiobarbituric Acid Derivatives reaction under Mw without catalyst as this is simple reaction. 6. The authors should characterize the synthesised compounds by means of ^{13}CNMR & Mass spectroscopic analysis. 7. Authors should correlate the chemistry of electron donating and withdrawing groups with grame positive and negative strains. 8. The authors should make/prepare a table which shows high light the comparision of reported work and present work. 9. Authors should mention in Manuscript the mechanism for synthesis of targeted derivative. 10. Why authors select only Ketoconazole & Kanamycin as reference strains.	
Optional/General comments	The authors should modify the manuscript taking account all the points raised by the reviewers. There is improvement in the quality of the paper and may be accepted for publication after response of the comments.	

Reviewer Details:

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