

## Review Form 1.7

Journal Name:	Asian Journal of Advanced Research and Reports
Manuscript Number:	Ms_AJARR_98879
Title of the Manuscript:	Kinetic and thermodynamic study on the pyrolysis of low density polyethylene in the production of polyethylene wax
Type of the 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:

(<https://www.journalajarr.com/index.php/AJARR/editorial-policy>)

### 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)
<b>Compulsory</b> REVISION comments  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. <u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u>	1. Yes, the manuscript quite important for scientific community with the requirements to improve the title, and references 2. The title is not suitable, the title should be "study on the pyrolysis of low density polyethylene in the production of polyethylene wax" 3. The abstract is quite comprehensive 4. Yes, subsections and structure of the manuscript are appropriate 5. The manuscript scientifically correct but must be improve the title and references 6. The reference is not sufficient and recent. The year of the references used must be over 2015 and and the number of references must be above 25. 7. At the end of the introduction, you explained that your method is more efficient because it uses the molecular chain of polyethylene is -CH2- and whereas the liquid product obtained have a high freezing point, the octane number of the researched gasoline is close to 88 which is quite low. While in the background, other methods and their problems were not explained. You should review the previous results of pyrolysis low density polyethylene in the production of polyethylene wax along with the methods used	
<b>Minor</b> REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?	The language must be checked by proof reading	
<b>Optional/General</b> comments		

### 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)	

### Reviewer Details:

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