

## Review Form 1.7

Journal Name:	Asian Research Journal of Mathematics
Manuscript Number:	Ms_ARJOM_95902
Title of the Manuscript:	Combined model based on LASSO and WOA for natural gas consumption forecast
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:

(<https://www.journalarjom.com/index.php/ARJOM/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)
<p><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>1. The article proposed by the authors is of capital interest in view of the energy problems currently observed throughout the world. Moreover, the LASSO method used is a method of contraction of the regression coefficients. This method has many advantages as well as limitations. However, the association with the WOA method allows to reduce the observed gaps.</p> <p>2. The title seems to me less explicit. we can propose the following formulation: <b>Forecasting study of natural gas consumption by combined models based on LASSO and WOA</b></p> <p>3. I think the abstract is quite comprehensible</p> <p>4. <b>The structure of the document is appropriate</b></p> <p>5. <b>The paper is scientifically passable</b></p> <p>6. I think the authors should update the literature review. For this purpose I can refer them to: Zhang, L.; Ma, X.; Zhang, H.; Zhang, G.; Zhang, P. Multi-Step Ahead Natural Gas Consumption Forecasting Based on a Hybrid Model: Case Studies in The Netherlands and the United Kingdom. Energies 2022, 15, 7437. <a href="https://doi.org/10.3390/en15197437">https://doi.org/10.3390/en15197437</a></p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	Language quality is acceptable	
<p><b>Optional/General</b> comments</p>		

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

### Reviewer Details:

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