

Review Form 1.6

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_91305
Title of the Manuscript:	Modeling Temporal Variation of Particulate Matter Concentration at Different Locations of Delhi-NCR
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.journalijecc.com/index.php/IJECC/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)
Compulsory REVISION comments		
Minor REVISION comments	<p>The article is an original research work dealing with Modeling of Temporal Variation of Particulate Matter Concentration at 3 Locations of Delhi. It contributes to the research work on projections and forecasting of air pollution levels. Overall, it is a very nicely written article and can be accepted with the following minor revisions:</p> <ol style="list-style-type: none">1. The title of the article would be better suited as: "<i>Modeling Temporal Variation of Particulate Matter Concentration at <u>three</u> different locations in <u>Delhi</u></i>", as all the locations mentioned in the article are within Delhi and not in NCR.2. In Section 2.3, Data description; the author(s) need to explain the reason behind choice of these three stationary air pollution monitoring stations out of many available.3. In section 3, Results & Discussion; the author(s) need to explain the reason behind high and low PM concentrations during the mentioned months corresponding to winters and Monsoon in North India.4. In section 3, Results & Discussion; Null hypothesis should be separately written and proved/disproved using conventional terminology like H_0, H_1 etc. Also, ACF and PACF should be properly defined at their first mentions in the article as Autocorrelation Function (ACF) and Partial Autocorrelation Function (PACF) plots.5. In Figure 1, X-axis should be labelled as "Date" for clear understanding and a diagonal reference line should be plotted here showing the permissible limits of $PM_{2.5}$ and PM_{10} for better visualization. <p>The author(s) should proof read the article again and include the above-mentioned suggestions before re-submission.</p>	
Optional/General 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:

Name:	Avdesh Bhardawaj
Department, University & Country	India