SCIENCEDOMAIN international

www.sciencedomain.org



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_47136
Title of the Manuscript:	IMPACTS OF SOME METEOROLOGICAL PARAMETERS ON VISIBILITY IN THE NIGER DELTA REGION OF NIGERIA
Type of the Article	Original Research Paper

General guideline for Peer Review process:

This journal's peer review policy states that <u>NO</u> manuscript should be rejected only on the basis of '<u>lack of Novelty'</u>, 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:

(http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline)

Created by: EA Checked by: ME Approved by: CEO Version: 1.6 (10-04-2018)

SCIENCEDOMAIN international www.sciencedomain.org



SDI Review Form 1.6

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 authors are kindly requested to also specify the location of selected study stations (Calabar, Uyo, Portharcourt, Owerri, Warri, and Akure) on the map in Fig. 1, displaying the location of underlying states in the Niger Delta region. - The present study has no explanatory section concerning the statistical methods the authors used to interpolate and interpret data. They only mention that: "Due to the resolution of the Datasets, NCEP has a grid box representation of Visibility and Plelative humidity and wind direction. Figures 2(a/b) to 7(a/b) shows the numerical graphic representation of Visibility and Wind direction for Calabar, Uyo, Port Harcourt, Owerri, Warri and Akure respectively for the years 1981, 1991, 2001 and 2011", falling to give a sound scientific account for their database, namely: whether the 10-years average values they used for horizontal visibility, relative humidity and wind direction represent interpolated decennial means or 10-yrs running means for each state over the two monsoonal seasons (dry and wet). In this respect they are strongly recommended to introduce a brief Methodology section to explain more thoroughly all related aspects and to also make a full (30-yrs) correlation for all the analyzed parameters on the two different monsoonal seasons, to see if and to what extent the overall period average values confirm the partial 10-yrs analyses. - Moreover, the authors used simple correlation techniques to demonstrate the direct or indirect influence, depending on the case, between relative humidity and visibility, respectively. Maybe, it would have been more inspiring for them if they used other more dedicated statistical correlation techniques (Man-Kendall, Spearman, Pearson tests etc.). - Some explanations seem quite uninspired, to say the least, since they are not meant to clarify or explain beyond any doubt the conclusions or statements of the authors. For exc. "This result is expected because visibility is reduced when relative humidity is high and vice versa. This is bec	nere)
Optional/General comments	The present study is interesting but it reflects a hurried (not to say superficial) approach. Nevertheless, its design is sound but its construction is rather sparse. Therefore, the authors are warmly invited to revise it accordingly. Maybe the above-mentioned considerations prove helpful enough	

Created by: EA Checked by: ME Approved by: CEO Version: 1.6 (10-04-2018)

SCIENCEDOMAIN international www.sciencedomain.org



SDI Review Form 1.6

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:	Ionac Nicoleta
Department, University & Country	University of Bucharest, Romania

Created by: EA Checked by: ME Approved by: CEO Version: 1.6 (10-04-2018)