



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_31581
Title of the Manuscript:	SPATIAL VARIATION MODELING OF GEOTHERMAL GRADIENT AND HEAT FLOW IN EASTERN PARTS OF NIGER DELTA SEDIMENTARY BASIN, NIGERIA.
Type of the Article	Review paper

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:

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



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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)
<u>Compulsory</u> REVISION comments	This is a very classical study using a kriging method, the method is already known, you have just applied the method, (this appear to be very simple for a paper to be published as it is...more or deeper study need to be done) you need to Justify why you used the simple Linear model...Other model could also be appropriate (Nugget+ Gaussian ...) or others. You need to apply various models here and justify and prove the choice of the final model. (Compare the kriging errors, fitting errors that can help you to find the great model).choose the best 2 models and compare the results. What will be the results if you have different models? The interpretations and conclusion you gave would be the same? Try another model different from the linear model and compare the results and interpretation. Go deeper in your reflection	Nugget+gussian model has been applied since they gave the best fit. THE CONCLUSIN HAS BEEN CHANGED.
<u>Minor</u> REVISION comments	A lot of mistakes...in the texts. Check also the references...and the names of the authors should be called in the text. The geological map should be clear...See comment in the text	Noted and effected
<u>Optional/General</u> comments	See comments in the text	