



**SDI Review Form 1.6**

Journal Name:	<a href="#">Journal of Geography, Environment and Earth Science International</a>
Manuscript Number:	Ms_JGEESI_46570
Title of the Manuscript:	Spatio-temporal analysis of the impact of rainfall dynamics on the water resources of the N'zi watershed in Côte d'Ivoire
Type of the Article	1. Original research papers

**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>)

**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	N.A.	
<b>Minor</b> REVISION comments	N.A.	
<b>Optional/General</b> comments	This paperwork analyzing the correlation between rainfall amounts, flow discharges and underground water reserves in a geographically and climatically key area in Cote d'Ivoire (the N'zi watershed area) is consistent, honest and realistic. Firstly, its consistency lies in the fact that: the geographical and climatic background of the study have clearly been defined; the data acquired from synoptic, climatic and hydrological stations have correctly been homogenized by statistical methods so as to get coherent, synchronous and relevant enough time-series (from 1951 to 2000); the Kriging method used to spatially interpolate data is most inspiring and produced a very clear representation of the problems under debate; the whole design and structure of the study is very systematic and logic, resulting in solid, inter-correlated findings; the results obtained are important and visible, being strongly focused on in clear, unambiguous conclusions. Secondly, the fact that its authors are aware of the limitations of their own study, which they honestly and openly recognised in their conclusions section, regarding the fact that hydro-climatic data are rather scarce and non-synchronous, but which they successfully managed to homogenise, is to be appreciated as long as the overall scientific value of their work remains positive. Thirdly, despite the fact that the flow discharges and especially the underground water reserves have schematically been calculated on basis of schematic data and of the hydrological budget equation respectively, the resulting findings are scientifically sound and expressive. Therefore, the study may safely be published for its geographically interesting and relevant findings.	No comment

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