



SDI Review Form 1.6

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| Journal Name: | Journal of Geography, Environment and Earth Science International |
| 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>)



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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) |
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| Compulsory REVISION comments | | |
| Minor REVISION comments | <p>I consider the subject of the manuscript has enough scientific merit to justify the publication. Minor questions have to be addressed to improve the manuscript quality</p> <ul style="list-style-type: none"> • Do not repeat words of title in keywords • What homogeneity test was made for the rainfall records? • Should be improved the titles of tables 1, 2 and 3 (For example: Position of rainfall stations in X and the evaluated period) • The horizontal lines in figure 5 should be eliminated | <ul style="list-style-type: none"> • These are the essential words that best describe the content of the article and allow the article to be found on the internet. But no abuse in their use, is done in the work. • From measurement to the processing of rainfall information, errors can occur (instrument errors, observer errors, etc.). A visual and statistical analysis of the rainfall was then made to judge the quality of the available data. The homogenization test carried out relates to the small filling of gaps (insignificant). Rainfall values are reconstructed within homogeneous regional areas (climatic domain) by the principle of pseudo-proportionality of the rainfall totals between neighboring stations. Descriptive statistical characteristics of the monthly and annual rainfall data of the various stations have been determined (the tables of results were not inserted in the text). The coefficients of variation (Cv) of its mean annual and monthly mean rainfall fluctuate between 0.16 and 0.24. This means that the dispersion of the rainfall series data considered is quite low. Therefore the rainfall data used for the study are fairly homogeneous and representative of the study area. • Table 1 Coordinates of rainfall stations, periods and duration of registration Table 2 Coordinates of synoptic stations, periods and duration of registration Table 3 Coordinates of hydrometric stations, periods and duration of registration • The horizontal lines make it easy to estimate the average monthly rainfall and the average monthly flow. |
| 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) |
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| Are there ethical issues in this manuscript? | <i>(If yes, Kindly please write down the ethical issues here in details)</i> | |