SDI Review Form 1.6

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	**Ms_JEAI_47616**
Title of the Manuscript:	**Coverage and use of the soil of the hydrographic sub-bowl of Rio Espinharas, PB / RN / PE with emphasis in areas of permanent preservation (APP) and areas of restricted use (AUR)**
Type of the Article	**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)*
Compulsory REVISION comments		
Minor REVISION comments		
Optional/General comments	The classes of soil cover and use in the SBH of the Espinharas River show the predominance of the Open Arboreal Shrub Caatinga (CAAA) typologies with 2,239.37 km² (68.13%) and anthropic area with 752.67 km² (22.90%) of the total SBH area of the Espinharas river. Another typology found is the Arboreal Closed Arboreal Caatinga (CAAF) with 203.17 km² (6.18%). The typology of water bodies presented an area of 25.5 km² (0.76%) of the total SBH area represented by dams, dams and barriers. The other typologies found were urban area with 1.36 km² (44.63%) and rocky outcrops with 22.06 km² representing (0.67%) of the total area The adoption of measures and practices for soil conservation in these areas is fundamental to maintain the ecological quality of these resources in the long term. Failure to observe this balance in the formulation of agricultural systems has been responsible for the breakdown of this balance and the continuous degradation of this resource, mainly due to the loss of soil via erosion in the growing areas. Satellite imagery has provided a clear, comprehensive and current view of land use. Discrimination, mapping and quantification of land use areas through geographic information system classification (IDRISI, QGIS GRASS) allowed results to be obtained with greater agility regarding the integration and manipulation of the areas. The data obtained will help in the future recovery and planning projects of the area, since a part of SBH has not been preserved and is failing to comply with the current environmental legislation. I agree with the above Key Findings of the Author on the basis of which i recommend that the Paper Should be Published to Dissiminate the Key Findings of the Author	Thank you for the compliments. I'm very grateful. Some words were wrong, I made amends to further enrich the work

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)*	There are no ethical issues in this manuscript