### **Review Form 1.6**

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_84306
Title of the Manuscript:	STUDY OF BIOLOGICAL PROPERTIES UNDER IMPORTANT CROPPING SYSTEMS IN INCEPTISOLS AND VERTISOLS OF NORTHERN TELANGANA ZONE
Type of the Article	Original Research Article

#### **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:

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### **PART 1:** Review Comments

Reviewer's comment		<b>Author's comment</b> (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)
may be shared with	nuthor. This may be student work, prior to submission document your coauthors for clarity. I request author go through few articles in your literature cited which will improve your interpretation to	
cropping systems in	suggested title: Microbial biomass and enzymatic activity of major soils of Inceptisols and Vertisols at Northern Telangana	
2. Delete and Rewrite	Abstract must be written with all components of manuscript.	
Use this abstract:		
soil. Similarly, urease determining biological major cropping syste collected after 8 year systems at soils of Inc. A five replicated soil factorial randomized to carbon (14%) and nit found to be higher in cropping systems, rice interactions are sign	ms, microbial biomass plays a major role in nutrient and energy flow of and dehydrogenase activities are essential for nitrogen cycle and index of soils, respectively. However, their information is minimal at ms of this region. Therefore, surface soil (00-15 cm) samples were are from rice-rice, rice-maize, cotton and turmeric-sesame cropping ceptisols and Vertisols of Northern Telangana zone during kharif 2019. samples were collected, assessed and statistically analyzed with block design. The results revealed that the forms of microbial biomass trogen (22%), urease (29%) and dehydrogenase (20%) activity were cropping systems under Vertisols compared to Inceptisols. Among the erice showed significantly higher biological properties than others. The ificant for urease activity. Urease and dehydrogenase activity is with soil available nitrogen and organic carbon content of soils, ag systems.	
<b>3.Introduction</b> In 1 <sup>st</sup> paragraph, brief	about the four cropping systems.	
Why to study only MB	C, MBN, Urease and Dehydrogenase only?	
How this study benefit  4. M& M  Add- Study area and t	s or improves knowledge ? reatment details	
Professor Jayashanka out in randomized bloos samples were collected cotton-fallow (CS <sub>3</sub> ) and vertisols (S <sub>2</sub> ) from surficultivation of the same Telangana State	Inducted during <i>kharif</i> , 2019 at Agricultural College, Polasa, Jagtial, ar Telangnana State Agricultural University. The experiment was laid ck design with factorial concept (FRBD) with five replications. Soil and from four cropping systems <i>viz.</i> , rice-rice (CS <sub>1</sub> ), rice-maize (CS <sub>2</sub> ), deturmeric-sesame (CS <sub>4</sub> ) under two soil types <i>viz.</i> , inceptisols (S <sub>1</sub> ) and face soil (0-15cm). Selection of sites was based on continuous a cropping system (at least for 8 year), in Northern Telangana Zone of	
Result and discussion		
Follow the pattern alw parameters)	ays same for MBC, MBN, U & D (Don't confuse by altering	

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	Use this	
	Figure. 1 Correlation studies a) Soil available nitrogen Vs Urease b) Organic carbon	
	Vs Dehydrogenase.	
	Table 1. Influence of soil types and cropping systems on soil microbial biomass	
	carbon (μg C g <sup>-1</sup> soil), microbial biomass nitrogen (μg NH <sub>4</sub> <sup>+</sup> g <sup>-1</sup> soil), urease (μg NH <sub>4</sub> -N	
	g <sup>-1</sup> hr <sup>-1</sup> ) and dehydrogenase (µg TPF g <sup>-1</sup> hr <sup>-1</sup> )	
	Conclusion	
	Rewrite as per your result Is there any results provided this information. If not delete	
	Literature cited Follow as per journal guidelines Include the reference missing in both places of manuscript and references section	
Minor REVISION comments		
	-	
Optional/General comments		
	_	

## PART 2:

		<b>Author's comment</b> (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:**

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