

## Review Form 1.7

Journal Name:	Asian Journal of Research and Reviews in Physics
Manuscript Number:	Ms_AJR2P_96286
Title of the Manuscript:	Tsallis' Analysis of the Horizontal Component of the Earth's Magnetic Field
Type of the Article	Original Research Article

### 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:

(<https://www.journalajr2p.com/index.php/AJR2P/editorial-policy> )

### 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 REVISION comments</b> 1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript) 2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title) 3. <b>Is the abstract of the article comprehensive?</b> 4. <b>Are subsections and structure of the manuscript appropriate?</b> 5. <b>Do you think the manuscript is scientifically correct?</b> 6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b> <b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b>	1. Title needs modification. 2. Abstract required main objective of the manuscript. 3. In Abstract author write consider stations (geo graphic lat & long as well as geo magnetic lat. & long) 4. In introduction part author write Balasis, Daglis & Papadimitriou [2, 3] and Balasis & Eftaxias [4] analysed this $D_{st}$ time series by using the non-extensive Tsallis' entropy. Author need to write which stations they consider, what they actually finding in Q-time as well as d-time ? Explain in detail. 5. Author write "we carried out a Tsallis analysis of the horizontal component of the geomagnetic field observed at different locations in India during 2002". Quiet or disturb which period consider with valid reason/science author need to explain. 6. In introduction part author write Magnetic storms are quantified by $D_{st}$ values. Is it only Dst values, not other factors (Ap, Kp, EEJ etc). 7. Section 2.1 author need to add recent citations. 8. Section 2.2 author need to add Reference cite/main cite when data you have taken and equation of magnetic data you have chosen? 9. How author choose minor, moderate and major event (strom) ? 10. Which solar activity year author have choosen. Author need to add this thing in abstract as well as conclusion. 11. Conclusion section and results parts explain in details. 12. Graph check again, sq 0.0 to 0.12 its vary, H is always positive??	
<b>Minor REVISION comments</b> 1. <b>Is language/English quality of the article suitable for scholarly communications?</b>		
<b>Optional/General comments</b>		

### 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>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

### Reviewer Details:

Name:	Nilesh Patel
Department, University & Country	B.K. M. Science College, India