



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_29315
Title of the Manuscript:	Hydromagnetic waves in the self-gravitating porous medium under the effect of electron plasma frequency and Coriolis force
Type of the Article	Review paper

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)
<u>Compulsory</u> REVISION comments	The author/authors have done really tough job to solve the problem on "Hydromagnetic waves in the self-gravitating porous medium under the effect of electron plasma frequency and Coriolis force". As this model is on some plasma systems, the authors might like to check the whole study on the basis of real plasmas where the constituents are mainly charged particles along with some neutral under high probability to become charged. From my point of view, this article can meet the standard of the journal with proper revisions. i) The authors did not explicitly mention the source of basic equations (1)--(8) in Sec. 2. In the same section they are suggested to explain 'ionized plasma composed of gas' with proper references. ii) The transaction between 'magnetohydrodynamical model suitable for a geophysical system' to plasmas is unclear in this investigation. iii) Would the authors like to present some discussion to establish that this article is not one of the series of articles from Kumar et al.? iv) The study of instability needs to be more clear, and the argument between 'instability' and 'stable influence' are suggested to make easier for the readers. v) To make this study relevant to real physical objects or systems, the authors are suggested to include some comments after discussing their findings with proper	Thanks for reviewer's comment. M.H.D. equations Hydrodynamic and Hydromagnetic stability by S. Chandrasekhar Oxford Clarendon 1961. There are kinematic theory of gas and fluid theory can be used to plasma problem. We have used fluid theory for Interstial medium (ISM). Kumar et al. Did not consider electron inertia. Thanks for the comment, yes we agree with reviewer's comment and we have changed in some correction in manuscript to improve it.



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	references. However, they can present some discussions on any experimental set up that could make their study useful using references. vi) Authors are suggested to revise the use of capital letters, and to choose language simple to understand for the readers. vii) As Alfvén wave turbulence is much larger than that of electrostatic waves, some discussions are needed to be added to explain interactions between all the forces considered in the system. This fact can be highlighted in discussions. The authors are appreciated for doing hard work for this manuscript; hope they would revise the above mentioned points to meet the standard of a real physical system.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		