



SDI Review Form 1.6

PART 1:

Journal Name:	<u>Physical Review & Research International</u>
Manuscript Number:	MS: 2013_PRR1_3341
Title of the Manuscript:	Dust ion-acoustic K-dV and modified K-dV solitons in a dusty degenerate dense plasma

General guideline for Peer Review process is available in this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

- This form has total 9 parts. Kindly note that you should use all the parts of this review form.



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PART 2: 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		
<u>Minor</u> REVISION comments	<p>1- What is the motive to study the MK-dV equation?</p> <p>2- You have mentioned that there is a rarefactive soliton dip in section VI, though there is no numerical investigation related to that result!</p> <p>3- The language of the manuscript has to be revised. For example "silitons", the name of the author "Forton", "electro-ion" and "...an great...". In page 2, right column, you define "p", however, it isn't needed. There is a jump in the reference citation in the first page left column, [24-33] are missed, then later appeared. Please arrange your citations. The full name of "K-dV" is not defined in the abstract.</p> <p>4- In Fig 1, 2, 5, and 6, no need to 3D plots, the proportionality of the soliton amplitudes on u_0 is known from their mathematical expressions. It is enough 2D graphs.</p> <p>5- No need to state the first paragraph in section V. It doesn't lead to any significant result.</p>	<p>1.The motive of the MK-dV equation is to study the wave behaviour of the solitons in degenerate plasma species compact objects. From MK-dV equation we get more sharp curve and also more width of the curve .</p> <p>2.It is our mistake as we have discussion with only positive potential only.</p> <p>3.We have carefully checked the language of the revised copy to correct all the errors. The full name of K-dV has been given in abstract.</p> <p>4.We hope the 3Dplots will make a clear view about the graphical representation to the readers. So we have not changed it, but reduced two figures.</p> <p>5. We have kept the first paragraph of Section V with some modifications to make Numerical Analysis part easy to the readers.</p>



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	<p>6-You considered non-relativistic and ultrarelativistic limits of Chandrasekhar and also you provided 5 applications in section VI. Please identify at least one application corresponding to each studied case.</p> <p>7- Would you cite the work of Phys Rev 85, 026406 (2012) and Adv Space Res 50, 101 (2012) which are recent related articles to this study.</p> <p>8- Would you reduce the number of references as some of them are related directly to the topics of this article?</p>	<p>6. Please see the Section VI; Discussion part.</p> <p>7. We have added some references according to the suggestion of the reviewer.</p> <p>8. We have reduced the number of references according to the suggestion of the reviewer.</p>
<u>Optional/General</u> comments		<p>Thank you very much for your good comment. We are really grateful to you for your comment, which help us to develop our manuscript.</p>