



## GPH Review Form

Journal Name:	<a href="#">Asian Journal of Pure and Applied Mathematics</a>
Manuscript Number:	<b>Ms_AJPAM_1611</b>
Title of the Manuscript:	<b>Characterization of soft sets as soft semigroups</b>
Type of the 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://globalpresshub.com/index.php/AJPAM/editorial-policy>)

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

	Reviewer's comment	Author's comment <i>(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)</i>
<b><u>Compulsory</u></b> REVISION comments  <b>1. Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)  <b>2. Is the title of the article suitable?</b> (If not please suggest an alternative title)  <b>3. Is the abstract of the article comprehensive?</b>  <b>4. Are subsections and structure of the manuscript appropriate?</b>  <b>5. Do you think the manuscript is scientifically correct?</b>  <b>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b>  <b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b>	1. This manuscript contributes to the theory of soft semigroups. Autor characterizes soft sets as an abstract structure of semigroups and presents some semigroup properties associated with soft sets. In my opinion, the results are a new contribution. 2. The title is very good. 3. I have no objections to the abstract. 4. The structure and subsections are fine, but I have little comments about the content (see Minor Revision comments). 5. Yes. The results and proofs are carried out correctly. I have reservations about two definitions - they are inadequately formulated (see Minor Revision comments). 6. Overall everything is fine. I recommend adding one article: A. Sezgin, A. O. Atagun, On operations of soft sets, Computers & Mathematics with Applications, Volume 61, Issue 5, 2011. I suggest you give as an attachment to the definition on soft sets.	Noted
<b><u>Minor</u></b> REVISION comments  <b>1. Is language/English quality of the article suitable for scholarly communications?</b>	Yes. The language is correct.	
<b><u>Optional/General</u></b> comments	1. Definition 2.4. And for all $e \in \dots$ ? Probably to U. 2. Section 3, Definition of a soft semigroup. ... if and only if " $f(a) = \{f(a): a \in a\} - f(a)$ can not be a semigroup. Similar to soft ideal. We can see such notations throughout the paper. 3. Theorem 3.6. Should be "Let $(F, A), (G, A)$ and $(H,$	

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	<p>A) be two soft ideals over S.</p> <p>4. Lemma 3.7, Lemma 3.8, I suggest describing everywhere exactly what S and T, or before Lemma 3.7, give a comment that in Lemmas 3.7 and 3. 8 by S and T we understand semigroups such that \alpha is ...</p> <p>5. I don't know if it's a requirement. But visually there is no a shortage of squares as a symbol of the end of proof.</p> <p>6. What is written in Conclusions should be at the end of Section 1 Introduction as encouraging the reader to his results. However, at Conclusions you can write what you can do with the results later. And refer to the theory of decision.</p> <p>7. In the introduction I recommend showing off what is the main result. In more detail with an indication of individual theorems.</p>	
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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	