



SDI Review Form 1.6

Journal Name:	Asian Research Journal of Mathematics
Manuscript Number:	Ms_ARJOM_47874
Title of the Manuscript:	Proposing a New Form of Fuzzy Sets and Its Properties
Type of the Article	<u>Original Research Article</u>

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>)

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)
Compulsory REVISION comments	The use of fuzzy sets is important in different areas of scientific and domestic plan. There are proposed some axioms of the fuzzy sets in the paper. These axioms are in analogy with the axioms of usual sets in set theory according to logical laws. So, in general the idea of fuzzy sets construction is consistent with the usual scientific constructions of set theory. But the question is connected with the need to emphasize the difference of the axioms of fuzzy sets from the usual axioms of set theory. I think that the existence of only two theorems is not enough for the understanding of the essence of the theory.	Thanks to the respected referee for his/her valuable guidance. The difference between type-2 fuzzy sets with ordinary fuzzy sets was added in Note 3. It has also been attempted to examine many of the basic properties type-2 fuzzy sets in this paper; the researcher tried to evaluate the other properties of type-2 fuzzy sets in the future, which was mentioned in the Conclusion Section.
Minor REVISION comments	There is not enough literature in the links related to the history and prospects of the issue.	A number of references related to the previous conducted works have been added in line with the study to demonstrate the importance of the subject.
Optional/General comments	The article is interesting and represent the perspective direction of science.	

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