



SDI Review Form 1.6

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2014_BJMCS_15067
Title of the Manuscript:	On Agebraic properties of Fuzzy Membership Sequenced Multisets
Type of the Article	Short 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.

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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)
Compulsory REVISION comments	1- In the title, "Agebraic" should be "Algebraic" 2- In the page 1, first column, line 17(from above) "..., Lofti Zadeh...." must be "..., Lotfi Zadeh...." , 3- In the page 1, first column, line 18(from above) "...Zadeh [1]..." must be "...Zadeh [2]..." , 4- In the page 1, first column, line 30 (and other lines) (from above) "...as Multisets or Bags..." should be "...as multisets or bags..." , 5- In the page 1, second column, line 5 (and other lines) (from above) "...Fuzzy Multiset..." should be "... fuzzy multiset..." , 6- In the page 1, second column, line 9,10 and 11 (from above) "...Mathematics [6] , Statistics and Engineering [7], ..., Economics and Environmental... " should be "...mathematics [6] , statistics and engineering [7], ..., economics and environmental... " , 7- In the page 1, second column, line 32 (from	Correction effected Correction effected Correction effected Correction effected Correction effected Correction effected Correction effected



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	above) "...value of x in . "should be "...value of x in M. ",	Correction effected
	8- In the page 2, first column, line 31 (from above) "...={$(a, 0.2)$},..." should be "...A={$(a, 0.2)$},..." ,	Correction effected
	9- In the page 3, first column, line 7 (in Definition 2.5) " The membership sequenced fuzzy multiset for M denoted $\langle M \rangle$ is defined: " should be " The set $\langle M \rangle = \{ \Psi_{\langle M \rangle}(x) / x \in S \}$ is called the membership sequenced fuzzy multiset for M.	Correction effected
	10- In the page 3, first column, line 7 (from above, in Definition 2.7) "For any msets $M, N \in \Phi M(s)$, (i)" should be "For any msets $M, N \in \Phi M(\sigma)$ the following hold: (i) ...",	$M, N \in \Phi M(s)$ is not the correct representation. It should be $M, N \in FM(S)$ as defined in the paper. Meanwhile the Correction is being effected
	11- In the page 1, second column, line 24 (from above), "Preliminary Definition..." should be "Preliminary, Definition..."	Correction has been effected
	12- In the page 1, second column, line 27 (from	



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	above), "...elements, an mset..." should be "...elements, a mset..." 13- In the page 2, second column, line 18 (from above), "...where +, and..." should be "..., where + and..." 14- In the page 2, second column, line 27-26(from above), " For example from $A=\{...\}$, $\Psi_{<A>}(a)=...$" should be " For example, if $A=\{...\}$ then $\Psi_{<A>}(a)=...$" 15- In the page 3, second column, line 31(from above), there are an error in the line 31 and it should correct. 16- In the page 3, second column, Proposition 3.1 can rewrite as follows: "Let us suppose that $M, N \in \Phi M(\sigma)$. Then the following properties hold: (i).... (ii)..." Furthermore, we know that $<N> \wedge <N> = \min\{<N>, <N>\} = <N>$. If $<M> \subseteq <N> \wedge <N> \subseteq <M>$ then, clearly, we see that $<M> \subseteq <N> \subseteq <M>$. In this case, properties (ii) and (iii) are clear, that is there is nothing to be proved, in Proposition 3.1.	Correction has been effected Correction has been effected Correction has been effected The error not yet noticed $M, N \in \Phi M(s)$ is not the correct representation. It should be $M, N \in FM(s)$ as defined in the paper
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	17- Other lines of the paper should read and grammatical errors should correct.	Noted and corrections also effected where possible
Minor REVISION comments	There are some misprints in the manuscript and these misprints should correct for improve readability of the manuscript.	The version sent to me for correction is complete as there are no misprints
Optional/General comments	Some inclusion problems and proper additions of multisets had discussed in this article and given their proofs. These theorems are elementary but they are new and proofs are easy but true, according to me. Furthermore, there are many misprints and these misprints should correct.	The version sent to me for correction is complete as there are no misprints