SDI Review Form 1.6

Journal Name:	**Advances in Research**
Manuscript Number:	**Ms_AIR_36960**
Title of the Manuscript:	**On Applications of Fuzzy Soft Sets in Dimension Reduction and Medical Diagnosis**
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:

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

SDI Review Form 1.6

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 author(s) obtained a new application of fuzzy soft sets in dimension reduction and proposed a new method medical diagnosis. The studied results seem to be correct. But there are some grammatical corrections in the whole paper. Therefore, this paper should be carefully read and done these corrections. In Introduction, the literature should be improved related to some applications of soft set and fuzzy soft theory. For example, the following papers should be added in the reference list: For an application to investment decision making problem • Dr. A. Kalaichelvi and P.H. Malini, Application of Fuzzy Soft Sets to Investment Decision Making Problem, International Journal of Mathematical Sciences and Applications 1 (3) (2011) 1583-1586. • N. Y. Özgür and N. Taş, A Note on "Application of Fuzzy Soft Sets to Investment Decision Making Problem", Journal of New Theory 7 (2015) 1-10. For an application to healt problems • Yüksel, ̧S., Dizman, T., Yıldızdan, G., Sert, Ü. 2013. Application of soft sets to diagnose the prostate cancer risk. J Inequal Appl., doi:10.1186/1029-242X-2013-229 For an application to stock management • N. Taş, N. Y. Özgür and P. Demir, An Application of Soft Set and Fuzzy Soft Set Theories to Stock Management, Süleyman Demirel University Journal of Natural and Applied Sciences. DOI: http://dx.doi.org/10.19113/sdufbed.82887 and some others… Also the following corrections should be carefully done: • The reference of Definition 2.1 should be given. • In Definition 2.1: "$\forall$" should be replaced by "for all". • The reference of Definition 2.2 should be given. • The reference of Definition 2.3 should be given. • In Definition 2.3, line 1: "is" should be replaced by "be". Also what is the mean the symbol "©"? • The reference of Definition 2.4 should be given. • In Definition 2.4: "Let E a set" should be replaced by "Let E be a set". Also again what is the mean the symbol "©"? • In Example 2.4, line 1: "example 2.2" should be replaced by "Example 2.2". • In Definition 3.1: What is the mean the symbol "|.|"? • In Definition 3.3: "definition 3.1" and "definition 3.2" should be replaced by "Definition 3.1" and "Definition 3.2". Also "inexample2.1" should be replaced by "in Example 2.1" and "definition 3.3." should be replaced by "Definition 3.3." • In Definition 3.4: Where is "example 3"? • In Definition 3.6: "example 2.4" should be replaced by "Example 2.4" and "definition 3.6" should be replaced by "Definition 3.6".	

	- In Section 4, line 8: Where is "table 3"? "table 4.1" should be replaced by "Table 4.1". - In Section 4, line 10: "table 4.2" should be replaced by "Table 4.2". - In Section 4, line 15: "table 4.3" should be replaced by "Table 4.3". - In Section 4, line 18 – 19: "table 4.4" and "table 4.5" should be replaced by "Table 4.4" and "Table 4.5". - In Section 5.1, line 6: "F1" should be replaced by "F_1". - In Section 5.2: The definition of the operation "$Q \circ R_1$" should be given. **The revised version can be considered for publication in your journal after all of the above corrections are done.**	
Minor REVISION comments		
Optional/General comments		

Reviewer Details:

Name:	*Nihal Taş*
Department, University & Country	*Department of Mathematics, Balikesir University, Turkey*