



SDI Review Form 1.6

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_35969
Title of the Manuscript:	Some properties of Fuzzy Soft Bitopological Spaces
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	In this paper, the author(s) introduced the notion of kernel operator in fuzzy soft bitopological space. Also it was given the concepts of Alexandroff fuzzy soft topology and $\tau_1\tau_2 - \Lambda$ - fuzzy soft sets. Using the defined notions, some properties and results were given in fuzzy soft bitopological space. The results and examples obtained in this study seem to be correct. I think that this paper brings to new contributions to study of soft set theory. Since the applications of fuzzy set theory were mentioned in the first paragraph in Introduction, the following papers are suitable for the references: (1) C. C. Chou, J. M. Yih, J. F. Ding, T. C. Han, Y. H. Lim, L. J. Liu and W. K. Hsu, Application of a fuzzy EOQ model to the stock management in the manufacture system, Key Engineering Materials 499 (2012), 361-365. (2) C. Eksin, M. Güzelkaya, E. Yesil and İ. Eksin, Fuzzy logic approach to mimic decision making behaviour of humans in stock management game, Proceedings of the 2008 System Dynamics Conference 2008. Also the applications of soft set theory were mentioned in the second paragraph in Introduction. I suggest supplementing the literature with the following papers: (1) N. Y. Özgür and N. Taş, A note on "application of fuzzy soft sets to investment decision making problem", Journal of New Theory 1 (7) (2015), 1-10. (2) Ş. Yüksel, T. Dizman, G. Yıldızdan and Ü. Sert, Application of soft	



SDI Review Form 1.6

	sets to diagnose the prostate cancer risk, J. Inequal. Appl. 2013 (1) (2013), 229. The notion of a soft bitopological space was introduced using different soft topologies on an initial universe set. On the other hand, the mixed type of soft set theory was given using different soft topologies. In this context, this approach should be mentioned in Introduction with the following references: (1) N. A. Taş and A. Açığöz, Some mixed soft operations and extremally soft disconnectedness via two soft topologies, Appl. Math. 5 (2014), 490-500. (2) A. Açığöz and N. Taş, Some new mixed soft sets, Math. Sci. Appl. E-Notes 2 (2) (2014), 105-118. (3) A. Açığöz, N. A. Taş and T. Noiri, A decomposition of some types of mixed soft continuity in soft topological spaces, Filomat 30 (2) (2016), 379-385. Also there are some corrections as follows: (1) In Keywords and phrases, "Topological" should be replaced by "topological". (2) In Preliminaries, line 1: "Here, in" should be replaced by "In". (3) All of the paper, "$\forall$" should be replaced by "for all". (4) In Definition 2.5, line 1: "F_A" should be replaced by "f_A". (5) In Definition 2.7, line 1: "$f_A, g_B \in (\bar{X}, E)$" should be replaced by "$f_A, g_B \in \tilde{(\bar{X}, E)}$" (similar corrections should be done all of the paper). (6) In Definition 2.15, line 1: "(X, E, τ_1)" (resp. (X, E, τ_2)) should be replaced by "(X, E, τ_1)" (resp. (X, E, τ_2)) (similar corrections should be done all of the paper). (7) The reference of Theorem 2.18 should be given. Also in Theorem	
--	---	--



SDI Review Form 1.6

	2.18, " " should be replaced by " ". (8) In Example 3.10 and Example 3.12, line 1: "example" should be replaced by "Example". (9) In Example 3.17, lines 12 – 13: "." should be deleted and "And" should be replaced by "and", respectively. (10) In Definition 3.22, line 4: "." should be put at the end of the sentence. The manuscript should be carefully written according to the above corrections. After all of the corrections are done, I want to see the revised version of the manuscript.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		

Reviewer Details:

Name:	<i>Nihal Taş</i>
Department, University & Country	<i>Department of Mathematics, Balıkesir University, Turkey</i>