## REFERENCES

1. Abdulkadir Aygunoglu and Halis Aygun, "Some notes on soft topological spaces", Neural computer and applic , 21,(2011),pp.113-119.

2. Anjan Mukherjee and Sadhan Sarkar, "Several similarity measures of Neutrosophic soft sets and its application in real life problems", Annals of pure and applied mathematics, Vol.7, No.1, (2014), pp. 1-6.

3. Arockiarani , I, Sumathi, I.R, and Martina Jency, J ., " Fuzzy Neutrosophic soft topological spaces", International Journal of Mathematical Archive, Vol.4, No.10, (2013), pp.225-238.

4. Arockiarani , I. and Martina Jency ., "More on fuzzy Neutrosophic sets and fuzzy Neutrosophic topological spaces", International journal of Innovative Research and studies, Vol.3, Issue.5, (2014), pp.643-652

5. Arockiarani , I. and Sumathi, I.R ., " On $(\alpha,\beta,\gamma)$ – cut fuzzy Neutrosophic soft sets", International journal of mathematical Archive, Vol.5, No.1, (2014), pp.263-272.

6. Arockiarani , I. and Sumathi, I.R ., " Some results on interval valued fuzzy Neutrosophic soft stets" , International Journal of Innovative Research and Studies, Vol.3, Issue.5, (2014), pp.386-405.

7. Arockiarani , I. "A fuzzy Neutrosophic soft set model in medical diagnosis", Nobert wiener in the 21st century (21cw), (2014), pp.1-8.

8. Atanassov, K.T ., "Intuitionistic fuzzy sets" , Fuzzy sets and systems, Vol.20, No.1, (1986), pp.87-96.

9. Atanassov, K.T and Gargov, G ., "Interval valued intuitionistic fuzzy sets" , Fuzzy sets and systems, 31, (1988), pp.343-349.

10. Banu Pazar varol , Alexander Shostak , heand Halis Aygun ., "Fuzzy soft topology" , Hacettepe Journal of mathematics and Statistics, Vol.41,No. 3,(2012), pp.407-419.

11. Bashir Ahmed and Shabir Hussain ., "On some structures of soft topology" , Mathematical sciences , A springer open journal , (2012), pp.1-7.

12. Broumi . S ., " Generalized Neutrosophic soft set" , International Journal of Computer science , Engineering and Information technology , Vol.3, No.2,(2013), pp.17-29.

13. Broumi . S and Smarandache , F ., " Intuitionistic Neutrosophic soft set" , Journal of information and computer science , Vol.8, No.2,(2013), pp.130-140.

14. Broumi . S and Smarandache , F ., " More on intuitionistic Neutrosophic soft sets" , Journal of computer science and information technology ,Vol,1 ,Issue.4 , (2013), pp.257-268.

15. Broumi , S. Deli , I and Smarandache F ., " Neutrosophic parametrized soft set theory and its decision making" , International frontier science letters , Vol.1, No.1, (2014), pp.1-11.

16. Broumi , S. Deli , I and Smarandache F., "Interval valued Neutrosophic parametrized soft set theory and its decision making" , Journal of new results in science , 7, (2014), pp. 58-71.

17. Broumi . S , Sahin , R , and Smarandache F .," Generalized interval Neutrosophic soft set and its decision making" , Journal of new results in science, 7, (2014), pp. 29-47.

18. Broumi . S , Deli , I and Smarandache F ., " Relations on interval valued Neutrosophic soft sets" , Journal of new results in science , No.5 , (2014) , pp.1-20.

19. Chang , C.L ., "Fuzzy topological spaces" , J.math.Anal.Appl, Vol.24, Issue.1, (1968), pp.182-190.

20. Coker , D .,"An introduction to intuitionistic fuzzy topological spaces", Fuzzy sets and systems, No.88,Issue 1, (1997), pp.81-89.

21. Daowu Pei and Duoqian Miao ., "From soft sets to information system" , In proceedings of the IEEE international conference of granular computing , Vol.2, (2005), pp.617-621.

22. Deli ,I. "Interval valued Neutrosophic soft sets and its decision making", arXiv: 1402.3130v3 [math.GM], (2014), pp.1-24.

23. Deli , I and Broumi . S ., " Neutrosophic soft relations and some properties" , Annals of fuzzy mathematics and informatics , Vol.10 , No.10 , (2014), pp.1-14.

24. Ejegwa , P. Akubo , A.J and Joshua , O.M ., " Intuitionistic fuzzy set and its application in career determination via normalized Euclidean distance method" , European scientific journal, Vol.10, No. 15, (2014), pp.529-536.

25. Faruk Karaaslan ., " Possibility Neutrosophic soft sets and PNS-decision making method",arXiv:1407.3211[cs.AI], (2014),pp.1-17.

26. Faruk Karaaslan ., " Similarity measure between possibility Neutrosophic soft sets and its applications", Annals of fuzzy mathematics and informatics, Vol.10, No.10,(2014),pp.1-7.

27. Faruk Karaaslan ., " Possibility Neutrosophic soft sets with applications in decision making and similarity measure", arXiv:1407.3211v1[cs.AI], (2014), pp.1-25.

28. Faruk Karaaslan ., "Neutrosophic soft sets with applications in decision making", Inter. Jour. Information science and intelligent system, Vol.4, No.2, (2015), pp.1-20.

29. Gorzalezany ., "A method of inference in approximate reasoning based on interval valued fuzzy sets" , Fuzzy sets and systems , No.21, (1987), pp.1-17.

30. Irfan Ali , M , Feng Feng , Xiaoyan Liu , Won Keun Min and Shabir , M ., "On some new operations in soft set theory", Computers and mathematics with applications , 57, (2009), pp.1547-1553.

31. Ismail Osmanogulu and Deniz Tokat , "On intuitionistic fuzzy soft topology", Gen.math.notes , Vol.19,No.2, (2013), pp.59-70.

32. Mahanta , J and Das P.K ., "Results on fuzzy soft topological spaces" , arxiv:1203.0634 V1[math.GM], (2012), pp.1-11.

33. Maji , P.K ., Biswas , R and Roy , A.R ., " An application of soft sets in a decision making problem" , An international journal of Computers & mathematics with applications,44, (2002), pp.1077-1083.

34. Maji ,P.K , Biswas ,R and Roy , A.R ., " Soft set theory", compute.Math.Apl, Vol.45, Issue 4-5, (2003), pp.555-562.

35. Maji , P.K ., "Neutrosophic soft set" , Annals of fuzzy mathematics and informatics, Vol.5, No.1,(2013), pp.157-168.

36. Maji , P.K ., " Weighted Neutrosophic soft sets approach in a multi criteria decision making problem" ,Journal of new theory, No.5,(2015), pp.1-12.

37. Mehmet Sahin, Shawkat Alkhazaleh and Vakkas Ulucay, "Neutrosophic soft expert sets", Applied mathematics, Vol.6, (2014), pp.116-127.

38. Molodtsov , D ., "Soft set theory- first results", Comput.math.appl.Vol.37,Issue 4-5, (1999), pp.19-37.

39. Muhammad Shabir and Munazza Naz ., "On soft topological spaces" , Computers and mathematics with applications , Vol.61,Issue 7, (2011), pp.1786-1799.

40. Pradip Kumar Gain, Prakash Mukherjee , Ramkrishna Prasad Chakraborty and Madhumangal Pal ., " On some structural properties of fuzzy soft topological spaces", International journal of fuzzy mathematical archive , Vol.1, (2013), pp.1-15.

41. Reza Saadati and Jin Hanpark , " On the intuitionistic fuzzy topological spaces", Chaos,solitons and fractals, Vol.27, Issue.2, (2006), pp.331-344.

42. Ridvan Sahin and Ahmet Kucuk ., " Generalized Neutrosophic soft set and its integration to decision making" , Inter.J.Applied mathematics & Information sciences, Vol.8, No.6, (2014), pp.2751-2759.

43. Sahin Ridvan and Kucuk Ahmet ., "On similarity and entropy of Neutrosophic soft sets", Journal of intelligent and fuzzy systems, Vol.27, No.5, (2014), pp.2417-2430.

44. Salama , A.A and Alblowi , S.A .,"Neutrosophic set and Neutrosophic topological spaces" IOSR journal of math. Vol.3, (2012), pp.31-35.

45. Salama , A.A and Alblowi , S. A ., " Generalized Neutrosophic set and Generalized Neutrosophic topological spaces" journal of computer science and engineering. Vol.2, No.7, (2012), pp.129-132.

46. Sanjay Roy and Samanta , T.K ., " A note on fuzzy soft topological spaces", Annals of fuzzy mathematics and informatics, Vol.3,No.2, (2012), pp.305-311.

47. Saroja , R and Kalaichelvi, A ., "Intuitionistic fuzzy neutrosophic soft topological spaces" , International journal of innovative research in science, engineering and technology , Vol.4, Issue.5, (2015), pp.3338-3345.

48. Saziye Yuksel , Naime Tozlu and Zhera Guzel ., "On soft generalized closed sets in soft topological spaces", Journal of theoretical and applied information technology , Vol.55, No.2, (2013), pp.273-279.

49. Smarandache , F., "Neutrosophic set – A generalization of the intuitionistic fuzzy set" , Inter.J. Pure appl. math. 24, (2005), pp.287-297.

50. Smarandache ,F., "Neutrosophic theory and its applications ,collected papers", Vol.1, Europa Nova , Brussels , (2014) ,1-482.

51.Tanushree Mitra Basu , Nirmal Kumar , Mahapatra and Shyamal Kumar mondal , "Matrices in soft set theory and their applications in decision making problems", South asian journal of mathematics, Vol.2, No.2, (2012), pp.126-143.

52. Tridiv Jyoti Neog , Dusmanta Kumar Sut and Hazarik , G.C ., "Fuzzy soft topological spaces" , Inter.J. Latest Trend math , Vol.2,No.1, (2012), pp.54-67.

53. Tughahan Simsekler , Saziye Yuksel ., "Fuzzy soft topological spaces" , Annals of fuzzy mathematics and informatics, Vol.5,No.1, (2013),pp.87-96.

54. Turksen , I., " Interval valued fuzzy sets based on normal forms", Fuzzy sets and systems, 20, (1986),pp.191-210.

55. Yuncheng Jiang , Yong Tang , Qimaichen , Hai Liu and Jianchao Tang ., "Interval valued intuitionistic fuzzy soft sets and their properties" , Computers and mathematics with applications, 60, (2010), pp.906-918.

56. Zadeh , L.A ., "Fuzzy sets" , Information and control, Vol.8, (1965), pp.338-353.

# INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN SCIENCE, ENGINEERING AND TECHNOLOGY

ISSN (Online) : 2319 – 8753

ISSN (Print) : 2347 - 6710

IJIRSET

# PUBLICATION CERTIFICATE

This is to certify that

## R.SAROJA

Research Scholar, Department of Mathematics, Avinashilingam Institute for Home Science and Higher Education for Women,Coimbatore, Tamilnadu, India

Published a research paper titled

**"Intuitionistic Fuzzy Neutrosophic Soft Topological Spaces"**

in IJIRSET, Volume 4, Issue 5, May 2015

Certificate No: V4I05C321
Date: 15th May 2015

IJIRSET
A Unit of S & S Publications
www.ijirset.com

Editor-in-Chief
IJIRSET