

In the name of God

**Curriculum Vitae**  
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Name: Mohammad Mehdi Zahedi

Date of Birth: 1954

Citizenship: Iranian

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Marital Status: Married with three children.

Education :

- 1979, B.Sc. in mathematics, University of Isfahan, Iran
- 1986, M.Sc. in mathematics, University of Tarbeiate-Modarres, Iran
- 1990, Ph.D. in mathematics, Shahid Bahonar University of Kerman, Iran
- Ranked "First" in a graduating class of about hundred students at B.S. level.

- Ranked "First" in a graduating class at M.Sc. level.
- Ranked "The first Ph.D. graduated in mathematics in Iran" .

#### Activities:

- 1990 - 1995, Assistant Professor of Mathematics, Shahid Bahonar University of Kerman, Kerman, Iran.
- 1995 - 2000, Associate Professor of Mathematics, Shahid Bahonar University of Kerman, Kerman, Iran.
- 2000 -2009, Professor of Mathematics, Shahid Bahonar University of Kerman, Kerman, Iran.
- 2009, Professor of Mathematics, Tarbiat Modares University, Tehran, Iran.
- 1983 - , Member of Iranian Mathematical Society.
- 1990 - 1992, Member of North American Fuzzy Information Processing Society.
- 1992 -2002, Member of International Fuzzy Systems Association "IFSA".
- 1990 - , Referee for the international journals .
- 1994 - 1997, Vice-President Academic Research, Shahid Bahonar University of Kerman, Kerman, Iran.
- 1996 - , Member of Japanese Association of Mathematical Sciences (JAMS).
- 2003 - , A member of the editorial board of the international journal "Iranian Journal of Fuzzy Systems".
- 2004 - , A member of the editorial board of the international journal "Italian Journal of Pure and Applied Mathematics".

- 2005 - , Minister of Science, Research and Technology, I.R.Iran.
- 2006 - , A member of the editorial board of the "Iranian Journal of Mathematical Sciences and Informatics".
- 2009- , Professor of Mathematics, Tarbiat Modares University , Tehran, Iran.

### **Research Projects :**

To perform more than 26 Research projects including 2 National projects.

### **Supervised thesis :**

1. Thirty M.Sc. Thesis.
2. Ten Ph.D. Thesis.

### **Scientific Awards:**

1. The University's Outstanding Researcher in 1995 and 1998.
2. The Province's Outstanding Researcher in 1996 and 1999.
3. The Outstanding Professor of Country's Universities in 1996.
4. The Mathematics Faculty's Outstanding Researcher in 2001 and 2003.

## **List of Publications (M.M. Zahedi) in the :**

### **(a) Thesis:**

1. Role of Generalized Commutator In Commutativity of S-Unital Rings, M.Sc. Thesis, Tarbiate-modarres University, Tehran, Iran, 1986.
2. Fuzzy Algebra (Group, Ring, Module), Ph.D. Thesis, Shahid Bahonar University of Kerman, Kerman, Iran, 1990.

### **(b) International Journals :**

\* means the joint paper

- \*1. Some results on redefined fuzzy subgroups, J.Sci., I.R. Iran, Vol.1, No.1, (1989), 65-67.
2. L-fuzzy extended and contracted ideals, BUSEFAL, No.41, (1989), 104-110.
- \*3. On fuzzy ideal of a ring, J.Sci., I.R. Iran, Vol.1 No.3, (1990), 208-210.
- \*4. A counter-example of P. Das's paper, J.Math. Anal. Appl, Vol.153, 2(1990), 591- 592.
- \*5. A characterization of L-fuzzy primary submodule; BUSEFAL, No.44, (1990), 105-110.
- \*6. A characterization of L-fuzzy prime ideals, Fuzzy Sets and Systems, 44(1991), 147-160.

\*7. On the product of T-fuzzy subgroups, Annales Univ. Sci. Budapest., Sect. Comp. 12(1991), 167-171.

\* 8. Some correspondence theorems on t-fuzzy subgroups, BUSEFAL; No. 46, (1991),75-80

\* 9. L-fuzzy Primary and Swmiprime Ideals, BUSEFAL,46(1991), 81-88.

\* 10. A note on L-fuzzy primary and semiprime ideals, Fuzzy Sets and Systems, 50(1992), 234-247.

\* 11. On L-fuzzy primary submodules, Fuzzy Sets and Systems, 49(1992), 231-236.

12. On L-fuzzy residual quotient modules and P-primary submodules, Fuzzy Sets and Systems, 51(1992), 333-344.

13. Some results on a Galois connection between lattices of L-fuzzy ideals, J. Math. Anal. Appl., 170, No.2, (1992), 343-352.

\* 14. Lattice structure on fuzzy subgroups, Bulletin of the Iranian Mathematical Society, Vol. 18, No.2, (1992), 17-29.

\* 15. Some Results on L-fuzzy Modules, Fuzzy Sets and Systems, 55(1993), 355-361.

\* 16. Upper-Continuous And Compactly Generated Properties of Lattice of L-fuzzy Modules, Fuzzy Sets and Systems, 66(1993), 103-108.

\* 17. Fuzzy Algebraic Extension Generated By a Fuzzy Subset And Maximal Fuzzy Algebraic Extension, J. Fuzzy Mathematics, Vol. 3. No.1, (1993), 649-657.

\* 18. Fuzzy exact sequence in category of fuzzy modules, J. Fuzzy Mathematics, Vol. 2, No. 2 (1994), 409-424.

\* 19. On Fuzzy Projective and Injective Modules, J. Fuzzy Mathematics, Vol. 3, No.1 (1995), 181-190.

\* 20. On Polygroups and fuzzy subpolygroups, J. Fuzzy Mathematics, Vol. 3, No1 (1995), 1-15.

\* 21. On fuzzy semiprimary ideals, J. Information Science-Information Systems, 82, 3-4, (1995), 257-266.

\* 22. Hypergroup structures over families of fuzzy subsets of a quasi-F-polygroup, BUSEFAL, 65(1995-1996), 72-79.

\* 23. Some Results on Fuzzy Prime Spectrum of a Ring, J. Fuzzy Sets and Systems, 77(1996), 235-240.

\* 24. F-Polygroups(I), J. Fuzzy Mathematics, Vol. 4, No. 3, (1996), 533-548.

- \* 25. F-Polygroups(II), J. Information Science, 89(1996), 225-243.
  
- \* 26. Fuzzy Flat and Faithfully Flat R-modules, J. Fuzzy Mathematics, Vol. 5, No. 4, (1997), 855-864.
  
- \* 27. F-hyperring, Italian Journal of Pure and Applied Mathematics, No. 4, (1998), 103- 118.
  
- \* 28. Fuzzy Congruence Relations on a BCK-Algebra, J. Fuzzy Mathematics, Vol. 6, No. 1,(1998), 83-96.
  
- \* 29. Hypergroup and Join Space Induced by a Fuzzy Subset, J. Pure Mathematics and Applications (PU.M.A.), Vol. 8, (1997), 155-168.
  
- \* 30. On F-polygroups and Fuzzy Sub-F-polygroups, J. Fuzzy Mathematics, Vol. 6 No. 1, (1998), 97-110.
  
- \* 31. Fuzzy Direct Sum and Fuzzy (weakly) Prime and Primary Subhypermoudles, J. Discret Mathematical Sciences and Cryptography, Vol. 1, (1998), 1-16.
  
- \* 32. On the prime, primary and maximal subhypermoudles, Italian Journal of Pure and Applied Mathematics, No. 5, (1999), 61-80.
  
- \* 33. Hyper-Algebraic Systems, Italian Journal of Pure and Applied Mathematics, No. 6, (1999), 21-32.

\* 34. Weak, Dual Weak and Strong FH-homomorphism of F-polygroups, J. Pure Mathematics and Applications ( PU.M.A.), Vol. 10, No. 3, (1999), 279-291.

\* 35. Some Equivalent Conditions of Fuzzy Prime Dual Ideals in a BCK-Algebra, Scientiae Mathematicae, Vol. 2, No. 3, (1999), 361-371.

\* 36. Fuzzy Chain Complex and Fuzzy Homotopy, J. Fuzzy Sets and Systems, 112(2000), 287-297.

\* 37. Some Problems and Counter-examples on BCI (BCK)-algebras, Scientiae Mathematicae, Vol. 3, No. 1, (2000), 33-36.

\* 38. On hyper BCK-algebras, Italian J. Pure and Appl. Math., No. 8, (2000), 127-136.

\* 39. Strong Hyper BCK-ideals of Hyper BCK-algebras, J. Math. Japonica, 51, No. 3, (2000), 493-498.

\* 40. Some results on hyper K-algebras, Scientiae Mathematicae, Vol. 3, No. 1, (2000), 53-59.

\* 41. On a hyper BCK-algebra that satisfies the hyper condition, J. Math. Japonica, 52, No. 1, (2000), 95-101.

\* 42. On hyper K-algebra, J. Math. Japonica, 52, No. 1, (2000), 113-121.

- \* 43. Some Results On the Category of Lt-fuzzy Hypergraphs, J. Pure Mathematics and Applications (P.U.M.A.), Vol. 11, No. 4, (2000), 639-652.
- \* 44. Characterization of Generalized Groups of Order 2 and 3, J. Pure Mathematics and Applications (P.U.M.A.) Vol.11 , No. 4, (2000), 543-551.
- \* 45. Some Categorical Connection Between Fuzzy Hyper Graphs, Hyper Groups , Graphs and Groups, Discrete Mathematical Sciences and Cryptography, Vol. 4, No. 1, (2001), 17-32.
- \* 46. Positive Implicative HyperK-ideals, Scientiae Mathematicae Japonicae, Vol. 4, (2001), 381-389.
- \* 47. Some Classifications of Hyper K-algebras of order 3, Scientiae Mathematicae Japonicae, online, Vol. 4, (2001), 75-84.
- \* 48. On Generalized Polygroup Objects, J. Pure Mathematics and Applications (P.U.M.A.), Vol. 12, No. 3(2001), 219-231.
- \* 49. Fuzzy Structures on Hyper K-algebras, J. Uncertainty, Fuzziness And Knowledge- Based Systems, Vol. 10, No. 1(2002), 77-93
- .
- \* 50. Dual Positive Implicative HyperK-ideals of Type 3, J. Quasigroups and Related Systems, 9(2002), 85-106.
- \* 51. Category of Polygroup objects, Bulletin of Iranian Mathematical Society, Vol. 28, No. 1(2002), 67-86.

\*52. (Anti) Fuzzy (Normal) Sub-F-Polygroups and Fuzzy @-cosets, J. Discrete Mathematical Sciences and Cryptography, Vol. 5(2002), 85-104.

\*53. Classifications of Hyper BCK-algebras of order 3, Italian Journal of Pure and Applied Mathematics, 12(2002), 175-184.

\*54. The Category of Hypergroups, Italian Journal of Pure and Applied Mathematics, 13(2003), 197-210.

\*55. (Anti-) Fuzzy Positive Implicative Hyper K-ideals, Italian Journal of Pure and Applied Mathematics, 14(2003), 219-230.

\*56. (Weak) Implicative Hyper K-ideals, Bulletin of Korean Mathematical Society, 40(2003), 123-137.

\*57. Some Kinds of Positive Implicative Hyper K-ideals, Journal of Discrete Mathematical Sciences and Cryptography, 6(2003), 97-108.

\*58. Uniform Structure on Hyper K-algebras, Scientiae Mathematicae Japonicae, 58, No. 1(2003), 81-84.

\*59. Fuzzy Positive Implicative Hyper BCK-ideals of Types 5,6,7,8, Journal of Basic Science, 2(2003), 61-69.

\*60. Category of Topological Polygroup Objects, J. Pure Mathematics and Applications (P.U.M.A), 14(2003), 121-140.

\*61. Uniform topology on hyper K-algebras, J. Pure Mathematics and Applications (P.U.M.A), 14(2003), 313-319.

\*62. Dual Positive Implicative Hyper K-ideals of Type 2, J. Pure Mathematics and Applications (P.U.M.A), 14(2003), 329-346.

\*63. Some Classifications of fuzzy positive implicative hyper K-ideals, J. Pure Mathematics and Applications (P.U.M.A), 14(2003), 1-13.

\*64. (Anti-)Fuzzy Positive Implicative Hyper K-ideals, Italian Journal of Pure and Applied Mathematics, 14(2003), 219-230.

\*65. Category of OCU2-Polygroups, Italian Journal of Pure and Applied Mathematics, 15(2004), 215-225.

\*66. Hyper I-algebra and Polygroup, J. Quasigroups and Related Systems, 11(2004), 103- 113.

\*67. Maximal and Obstinate Hyper K-ideals, Scientiae Mathematicae Japonicae , 60(2004), 421-428.

\*68. Dual Positive Implicative Hyper K-ideals of Type 1, Scientiae Mathematicae Japonicae, e-(2004),315-330.

\*69. Quotient Hyper BCK-algebras, J. Quasigroups and Related Systems, 12(2004),93-12.

\*70. Dual Positive Implicative Hyper K-ideals of Type 4, *Scientiae Mathematicae Japonicae*, 59(2004), 591-603.

\*71. Fuzzy (Positive, Weak) Implicative Hyper BCK- ideals, *Iranian Journal of Fuzzy Systems*, Vol. 1, No. 2(2004), 63-79.

\*72. Implicative Hyper K-algebras, *Czechoslovak Math. Journal* 55(130) (2005), 439–453.

\*73. Varlet and additive hyper K-ideals, *Korean Annals of Mathematics*, 22(2005), No. 2, 149-165.

\*74. Uniform Structure on Hyper BCK-algebras, *Italian Journal of Pure and Applied Mathematics*, N. 17 (2005), 63-68.

\*75. (Anti-)Fuzzy Dual Positive Implicative Hyper K-ideals, *Italian Journal of Pure and Applied Mathematics*, 17(2005), 69-82.

\*76. A review on hyper K-algebras, *Iranian Journal of Mathematical Sciences and Informatics*, Vol. 1, NO. 1(2006), 55-112.

\*77. Category of MV-algebras, *Italian Journal of Pure and Applied Mathematics*, 19(2006), 61-74.

\*78. Implicative Hyper K-algebras, *Italian Journal of Pure and Applied Mathematics*, 19(2006),155-168.

\* 79. Commutative hyper K-ideals and quasi-commutative hyper K-algebras, Italian Journal of Pure and Applied Mathematics, 20(2006), 121-138.

\* 80. A classification of hyper K-algebras, J. Discrete Mathematical Sciences and Cryptography, Vol. 9(2006), 201-203.

\* 81. Quotient Hyper K-algebras, Southeast Asian Bull. of Math., 30(2006), 931-941.

\* 82. Intuitionistic fuzzy commutative hyper K-ideals, Journal of Applied Mathematics and Computing, 21(2006), 451-467.

\* 83. Dual Commutative Hyper K-ideals of Type 1 in Hyper K-algebras of Order 3, MATHWARE SOFT- COMPUTING Journal, 13(2006), 36-58.

\* 84. Positive Implicative Hyper K-ideals II, Scientiae Mathematicae Japonicae, 66, No. 3, (2007), 391-404.

\* 85. (Weak) Dual Hyper K-ideals, Soft Computing 11(2007), 985-990.

\* 86. Some Results of Intuitionistic Fuzzy Weak Dual Hyper K-ideals, Iranian Journal of

Fuzzy Systems, Vol. 5, No. 1, (2008), 65-78.

\* 87. Quasi union hyper K-algebras , J. Quasigroups and Related Systems, 16(2008), 77-88..

\* 88. A note on a union of hyper K-algebras , J. Quasigroups and Related Systems, 16(2008), 89-96..

\* 89. Simple hyper K-algebra, Quqsigroups and Related Systems, 16(2008), 229-238..

\* 90. ERG relation on hyper K-algebras, Scientiae Mathematicae Japonicae, 3(2008), 403-411.

\* 91. Biffuzzy (General) Topology on Max- Min General Fuzzy Automata, Advances in Fuzzy Mathematics, Vol. 3, 1(2008), 51-68.

\* 92. Normal hyper K-algebras, Scientiae Mathematicae Japonicae, 68, 2(2008), 265 – 278.

\* 93. Dual Commutative Hyper K-Ideals, Journal of Set -Valued Mathematics And Applications, Vol.1, 1(2008), 39-51.

\* 94. Equivalences in max- min deterministic general fuzzy automata of order n, International Review of Fuzzy Mathematics, Vol. 3, 1(2008), 1-19.

\* 95. Hypergroups And General Fuzzy Automata, Iranian Journal of Fuzzy Systems, Vol. 6, 2 (2009),1-14.

\* 96. Classifications of quasi union hyper K-algebras of order less than 6, Scientiae Mathematicae Japonicae, Online, (e-2009), 337-349.

\*97. Simple hyper BCK-algebras, Italian Journal of Pure and Applied Mathematics, to appear.

\*98. Hyper K-algebras induced by a deterministic finite automaton, Italian Journal of Pure and Applied Mathematics, to appear.

\*99. BCK-algebras and hyper BCK-algebras induced by a deterministic finite automaton, Iranian Journal of Mathematical Sciences and Informatics, to appear.

\*100. Hypergroup objects, J. Pure Mathematics and Applications (PU.M.A), to appear.

\*101. Hyper K-condition on Hyper K-algebras, Far East Journal of Mathematical Science(FJMS), to appear.

\*102. Join Spaces And General Fuzzy Automata, Italian Journal of Pure and Applied Mathematics, to appear.

\*103. Category of (POM) Fuzzy Graphs and Hypergraphs, Iranian Journal of Fuzzy Systems, to appear.

\*104. Uniform And Semi-Uniform Topology on General Fuzzy Automata, Iranian Journal of Fuzzy Systems, to appear.

\*105. Some results on normal hyper K-algebras of order 3, Set-Valued Mathematics And Applications, to appear.

\* 106. Hyper stabilizers and normal hyper BCK-algebras, Set-Valued Mathematics And Applications, to appear.

\* 107. S-absorbing set and (P)-decomposition in hyper K-algebras, Italian Journal of Pure and Applied Mathematics, to appear.

\* 108. On simple hyper K-algebras, Iranian Journal of Mathematical Sciences and Informatics, to appear.

\* 109. Some (Fuzzy) Topologies on General Fuzzy Automata, Submitted

\* 110. Topology on Max-Min General Fuzzy Automata, Submitted.

\* 111. (Anti-)T-Fuzzy Hyper Algebraic Structure, Submitted.

\* 112. Uniform Topology on BCI-algebras Induced By Fuzzy Ideals, Submitted.

\* 113. Fuzzy Subautomata of an Invertible General Fuzzy Automata, Submitted.

### **(c) Proceedings of the National and International Conferences :**

**\* means the joint paper**

1. Rings and Groups with commuting powers, Proceedings of the second national seminar in Algebra, Kashan, Iran, (1987), 17-25, in persian.

2. Some problems in anticommutativity of rings, proceedings of the third national seminar in Algebra, Kerman, Iran, (1987), 21-25, in persian.

3. Commutativity of some one-sided s-unital rings, Proceedings of the third national seminar in Algebra, Kerman, Iran, (1987), 27-33, in persian.

4. Some commutativity results on one-sided s-unital rings, Proceedings of the 18-th Annual Iranian Math. Conf. Birjand, Iran, (1987), 41-54.

\*5. On fuzzy subsets and subgroups, Proceedings of the third national seminar in Algebra, Kerman, Iran, (1987), 41-48, in Persian.

6. On Fuzzy Groups and Level Subgroups, 28-th Science Week, University of Damascus Syria, 1988, Presented.

\*7. On fuzzy ideals and level ideals, Proceedings of the 20-th Annual Iranian Math. Conf., Tehran, Iran ,(1989), 205-255, in persian.

\*8. L-fuzzy maximal ideals, Proceedings of the 21-th Annual Iranian Math. Conf., (1990), 344-351.

\*9. Some Equivalent Conditions of L-fuzzy Prime (Semi-prime) ideals, Abstracts of International Congress of Mathematicians, Kyoto, Japan, 1990.

\*10. Some Results on T-norms, Proceedings of the fifth national seminar in algebra, Shahid-Behesth University, Tehran, Iran, (1990), 39-53.

11. A Characterization of L-fuzzy primary ideals, Proceedings of 22-th Annual Iranian Math. Ferdowsi University of Mashhad, Iran, (1991), 321-327.

\* 12. A modular lattice structure on T-fuzzy normal subgroups, IFSA'91-Math., 1991, 171- 174

13. A characterization of L-fuzzy P-primay submodules, IFSA'91-Math., 1991, 222-225.

14. A CI-monoid Structure on L-fuzzy Quasi Ideals; Abstracts of International Conference On fuzzy Sets Theory And Application, Czecho-Slovakia, (1992), 53-54.

15. Lattice Structure on L-fuzzy Modules; Cybernetics And Systems Research'92, Austria, (1992), 371-374.

16. Fuzzy Semiprimary ideal, Abstract of 14-th Linz Seminar on Fuzzy Set Theory, Austria, 1992.

17. Introduction to fuzzy algebra, Proceedings of the first national seminar in fuzzy sets theory, Kerman University, Kerman, Iran, (1992), 39-52, in persian.

\* 18. Modular, complete and Pseudo-Complemented Lattice Structure on Fuzzy Modules, Proceedings of the first national seminar in fuzzy sets thoery, Kerman University, Kerman, Iran, (1992), 53-64, in Persian.

- \* 19. Category of fuzzy modules, Proceedings of the seventh seminar in algebra, Hamadan University, Hamadan, Iran, 1992, to appear, in Persian.
20. Fuzzy subset, Fuzzy Algebra And Lattice of Fuzzy Ideals, Proceedings of the seventh seminar in algebra, Hamadan University, Hamadan, Iran, 1992, to appear.
21. Fuzzy Maximal And Fuzzy Semiprimary Ideals, Proceedings of 24th Annual Iranian Mathematical Conf, 1993, to appear.
- \* 22. Fuzzy Subfield And Fuzzy Algebraic Field Extensions, Proceedings of 24th Annual Mathematical Conf. 1993, to appear.
- \* 23. Fuzzy algebraic field extensions, Proceedings of the first asian fuzzy Systems Symposium, Singapore, (1993), 1102-1107.
24. Some properties of lattice of L-fuzzy modules, Proceedings of the first asian fuzzy systems, Singapore, (1993), 1054-1059.
- \* 25. A note on fuzzy prime spectrum of a ring, Proceedings of the first asian fuzzy systems symposium, Singapore, (1993), 1108-1113.
- \* 26. Fuzzy tensor product, Proceedings of 25th Annual Iranian Mathematical Conference, 1994, to appear.
- \* 27. On fuzzy (algebraic) separable field extension, Proceedings of 25th Annual Iranian Mathematical Conference, 1994, to appear.

\* 28. Fuzzy Prime Spectrum of a Ring, Proceedings of 25th Annual Iranian Mathematical Conference, 1994, to appear.

\* 29. The functors  $F - \text{Ext}$  and  $F - \text{Ext}$  in category of fuzzy R-modules, Proceedings of ICAFS-94, Iran, (1994), 383-387.

\* 30. Fuzzy subpolygroups, Proceedings of ICAFS-94, Iran, (1994), 379-382.

\* 31. Fuzzy Pull-back and Push-out, Proceedings of 26th Annual Iranian Mathematical Conference, (1995), 107-114.

\* 32. Introduction to hypergroup, Proceedings of 26th Annual Iranian Mathematical Conference, (1995), 73-80.

\* 33. Homomorphisms and equivalence relations on hypergroups, Proceedings of 26th Annual Iranian Mathematical Conference, (1995), 65-72.

\* 34. On Fuzzy Ideals, Proceedings of 26th Annual Iranian Mathematical conference (Fuzzy Mathematics Workshop), (1995), 27-54, in Persian.

\* 35. On Fuzzy Modules, Proceedings of 26th Annual Iranian Mathematical Conference (Fuzzy Mathematics Workshop), (1995), 55-76.

\* 36. Introduction and some results on, fuzzy prime spectrum of a ring, Proceedings of 26<sup>th</sup> Annual Iranian Mathematical Conference (Fuzzy Mathematics Workshop), (1995), 1-26, in Persian.

\* 37. On fuzzy algebraic field and fuzzy transcendental basis, Proceedings of 26th Annual Iranian Mathematical Conference, (1995), 309-315, in Persian.

\* 38. On fuzzy multiplicative hyperideal, Proceeding of the IFSA world Congress, Sao Paulo, Brazil(1995), 447-450.

\* 39. On F-polygroups, Proceedings of the IFSA world congress, Sao Paulo, Brazil (1995), 511-514.

\* 40. Some results on F-polygroups, New Frontiers in Hyperstructures, Proceedings of the International Workshop held in Monteroduni, Italy, (1995), 219-235.

\* 41. A hyper-version of Nakayama's Lemma, Proceedings of the 27th Annual Iranian Mathematical Conference, Shiraz, (1996), 331-347.

\* 42. The theory of F-hyperrings, Proceedings of the 27th Annual Iranian Mathematical Conference, Shiraz, (1996), 349-361.

\* 43. On Fuzzy BCK-Algebras, Proceedings of 27th Annual Iranian Mathematical Conference, Shiraz, (1996), 363-374.

\* 44. Fuzzy Congruence relations of an F-polygroup, International Seminar "Algebraic Hyperstructures and Applications'96", September 96, Czech, Presented.

\* 45. Fuzzy subhypermodules, Proceedings of the International Conference on Intelligent System, Sep. 96, IPM Tehran (1996), 149-154.

\*46. Products of fuzzy ideals and fuzzy congruence relations on a BCK-algebra, Proceedings of the International Conference on Intelligent System, Sep. 96, IPM Tehran (1996), 167-171.

47. Fuzzy Subhypermodule over Fuzzy Hyperring, Proceedings of the AHA'96 Congress, Czech Republic (1996), 1-14.

\*48. On F-Hypermodules, Proceedings of the AHA'96 Congress, Czech Republic (1996), 61-76.

\*49. Hyperalgebraic Systems, Proceedings of the 9th Algebra Seminar, (1997), 16-26.

\*50. Fuzzy (co) Homology Modules, Proceedings of the IFSA-97 World Congress, Czech Republic , Vol. 2,(1997), 43-48.

\*51. F-Hypervector space, Proceedings of the IFSA-97 World Congress, Czech Republic, Vol. 2, (1997), 221-225.

\*52. Fuzzy Direct Sum and Fuzzy (Weakly) Prime and primary subhypermodules, Proceedings of the IFSA-97 World Congress, Czech Republic, Vol.2, (1997), 210-215.

\*53. F-residual quotient F-hypermodule associated to a fuzzy subset, Proceedings of the IFSA-97 World Congress, Czech Republic, Vol.2, (1997), 226-231.

\*54. Join Space Associated to a Fuzzy Subset, Proceedings of 28th Annual Iranian Mathematical Conference , Tabriz-Iran, (1997), 33-39.

\*55. On (The Product of) Normal F-Subpolygroup, Proceedings of the third Asian Fuzzy Systems Symposium, Korea,(1998), 526-529.

\*56. Topics in BCI(BCK)-algebra,Proceedings of the Tenth National Seminar of Algebra ,Sanandaj,Iran ,(1998), 37-57, in persian.

\*57. Fuzzy Hyperalgebraic Systems, Abstracts of the International Congress AHA-99, Italy, 1999.

\*58. FH-homomorphism of F-Polygroups, Abstracts of the International Congress AHA- 99, Italy, 1999.

\*59. Some results on Hyper BCK-lagebras, Abstracts of the International Congress AHA- 99, Italy, 1999.

\*60. Weak Hyper BCK-algebra (Ideals), Abstracts of the 30th Iranian International Conference on Mathematics, Ardabil-Iran, 1999.

\*61. Bounded Weak Hyper BCK-algebra, Abstracts of the 30th Iranian International Conference on Mathematics, Ardabil-Iran, 1999.

\* 62. Varlet and Additive Hyper BCK-Ideals, Proceedings of the 12th Algebra Seminar (World Mathematical year), Shahid Beheshti University, (2000), 30-36.

\* 63. On positive Implicative Hyper K-ideals of Types 1,2,3 and 4, Proceedings of the 31th Iranian Mathematics Conference, University of Tehran , (2000), 283-291.

\* 64. Some Equivalent Conditions of Fuzzy Prime Dual Ideals in BCK Algebras, Proceedings of the 12th Algebra Seminar, Tehran, Iran, (2000), 119-125.

\* 65. A Classification of Hyper K-algebras of Order 3 which satisfy the Normal Condition, Proceedings of the 31th Iranian Mathematics Conference, University of Tehran , (2000), 317-325.

\* 66. Varlet and additive Hyper K-ideals of a Hyper K-algebra, Proceedings of the International Congress Constantin Caratheodory, Greece, (2000), 91-100.

\* 67. Lt-Fuzzy Graph and Hypergraph, Proceedings of the International Congress Constantin Caratheodory, Greece, (2000), 147-155.

\* 68. Hyper BCK-algebras of Order 3, Abstracts of the International Congress Constantin Caratheodory, Greece, 2000.

\* 69. A Classification of Hyper K-algebras of order 3 which Satisfy the Simple Condition, Proceedings of the International Congress Constantin Caratheodory, Greece, (2000), 207-216.

\*70. Fuzzy Hyper K-subalgebra and Hyperr K-ideals, The Fourth Asian Fuzzy Systems Symposium, Japan, (2000), 222-227.

\*71. Some (adjoint) Functors Between the categories of Fuzzy Relations, Fuzzy Subsets and Fuzzy Subhypergroups, The Fourth Asian Fuzzy Systems Symposium, Japan, (2000), 232-236.

\*72. Fuzzy prime Dual Ideals in a BCK-algebras, The Fourth Asian Fuzzy Systems Symposium, Japan, (2000), 232-236.

\*73. Fuzzy Positive Implicative Hyper K-ideals of Types, 1,2,3 and 4, Proceedings of 9<sup>th</sup> IFSA World Congress, Canada, (2001), 1210-1215.

\*74. Fuzzy Positive Implicative Hyper K-ideals of Types, 5,6,7 and 8, Proceedings of 9<sup>th</sup> IFSA World Congress, Canada, (2001), 1-6.

\*75. Some Results on the Category of Hypergroups, Abstract of 32th Iranian Mathematics Conference, Babolsar, Iran, 2001.

\*76. On generalized Polygroup Objects, Abstract of 32th Iranian Mathematics Conference, Babolsar, Iran, 2001.

77. Fuzzy (Normal) Sub-F-Polygroups, Abstract of AAA63-Workshop on General Algebra, Germany, 2002.

\*78. On (Positive) Implicative Hyper K-ideals, Abstract of AAA63-Workshop on General Algebra, Germany, 2002.

\* 79. Some Results on Hyper K-algebras, Abstract of AAA63-Workshop on General Algebra, Germany, 2002.

\* 80. T-Fuzzy Hyperalgebraic Systems, AFSS 2002, 509-514.

81. Some Results on (Anti-)Fuzzy Positive Implicative Hyper K-ideals, Proceedings of the 3rd Seminar on Fuzzy Sets and its Applications, Zahedan, Iran, (2002), 46-54.

82. Fuzzy  $\alpha$ -cosets of Fuzzy Sub-F-Polygroups, Proceedings of the 3rd Seminar on Fuzzy Sets and its Applications, Zahedan, Iran, (2002), 186-191.

\* 83. Some Adjoint Functors Between The Categories of Lt-Fuzzy (Hyper)Graphs and Fuzzy Sets, Proceedings of the 3rd Seminar on Fuzzy Sets and its Applications, Zahedan, Iran, (2002), 192-197.

\* 84. Some Ordered (Hyper) algebras and Fuzzy Structures on them, A chapter of the book "Topics in Fuzzy Sets", Published by the University of Sistan and Baluchestan, Iran, 2002, in persian.

\* 85. Hypergroup Objects, Abstract of 8th AHA Conference, Greece, 2002.

\* 86. Some Results On Hyper K-algebras of Order 3 And a Computer Demonstration of It, Abstract of 8th AHA Conference, Greece, 2002.

\* 87. Dual Positive Implicative Hyper K-ideals of Type 3, Abstract of 8th AHA Conference, Greece, 2002.

\* 88. Some Properties of Category OCU2-polygroups, Abstract of the International Conference of Mathematicians, China, 2002.

\* 89. On Positive Implicative Hyper K-Ideals, Abstract of the International Conference of Mathematicians, China, 2002.

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