

L.R.G GOVERNMENT ARTS COLLEGE FOR WOMEN, TIRUPUR
DEPARTMENT OF MATHEMATICS

RESEARCH PUBLICATIONS FROM 2018 ONWARDS			
S.No	Year	Name of the Faculty	Publications
1	2018	Dr.A.Manonmani	A Comparative Analysis on Euclidean Measure In Intuitionistic Fuzzy Set And Interval-Valued Intuitionistic Fuzzy Set, International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET), 4(10), (2018), 191-197.
2	2019	Dr.A.Manonmani	An Examination in IFS and IVIFS based on Various Distance Measure, International Journal of Recent Technology and Engineering (IJRTE), 08(3S3), (2019),15-18.
3	2019	Dr.A.Manonmani	A Comparative Analysis on Geometric Measure In Intuitionistic Fuzzy Set And Interval-Valued Intuitionistic Fuzzy Set, International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET), 6(02), (2019), 485-491.
4	2019	Dr.C. Janaki	Neutrosophic RW-closed sets in neutrosophic topological spaces, International Journal of Research and Analytical Reviews, Vol 6(2), 2019, pp. 242-249.
5	2019	Dr.C. Janaki	Binary Contra Regular \wedge Generalized Continuous functions in binary Topological Spaces, International Advanced Research Journal of Science, Engineering and Technology, Vol 6(11), 2019, pp. 68-72.
6	2019	Dr.C. Janaki	Binary Regular \wedge Generalized Continuous and Irresolute Functions, International Journal of Mathematics Trends and Technologies, Vol 65(7), 2019, pp. 1-5.
7	2019	Dr.C. Janaki	Binary Regular \wedge Generalized Closed sets in Binary Topological Spaces, International Journal of Science Research, Science Engineering Technology, Vol6 (3), 2019, pp. 279-282.

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8	2019	Dr.A.Manonmani	On $r\beta$ - closed sets in topological spaces, Int. J. Sci and Research, Vol 8, 2019, 1756-1720
9	2019	Dr.C. Janaki	On Regular \wedge Generalized \square closed sets in Supra Topological spaces, Proc. of National seminar on Innovative Trends in Pure and Applied Mathematics, (2019), pp. 15-22.
10	2020	Dr.A.Manonmani	A New class of Topological Alpha Dot Spaces, Journal of Critical Reviews, Vol-7, Issue-18 (2020), 3391-3396.
11	2020	Dr.A.Manonmani	A Bitopological $(1,2)^*$ -Alpha Dot-Homeomorphisms, International Journal of Mathematics And its Applications, Vol-8, Number-3 (May-2020), 43-4
12	2020	Dr.A.Manonmani	A Bitopological $(1,2)^*$ -Alpha Dot-closed sets, Aegaeum Journal, Vol-8, Issue-5 (May-2020), 1296-1305.
13	2020	Dr.A.Manonmani	On Alpha Dot-closed sets in Topological Spaces, The International Journal of Analytical And Experimental Modal Analysis, Vol-XII, Issue- 4 (April-2020), 359-370.
14	2020	Dr.A.Manonmani	On $\pi g(\alpha g)^*$ -continuous maps and $\pi g(\alpha g)^*$ -irresolute maps in Topological spaces, International Journal of Scientific and Research Publications, Vol-10, Issue-4 (April-2020), 860-866.
15	2020	Dr.A.Manonmani	Bipolar Interval Valued Intuitionistic Fuzzy Topology, The International journal of analytical and experimental modal analysis, 12(09), (2020), 1508-1517.

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16	2020	Dr.C. Janaki	Neutrosophic Bipolar Vague Regular Weakly closed sets in Neutrosophic vague topological spaces, Journal of Xi'an University of Architecture & Technology, Vol XII, Issue VII, 2020, pp. 360-368.
17	2020	Dr.C. Janaki	Neutrosophic Vague Regular Weakly closed sets in Neutrosophic vague topological spaces, Journal of Xi'an University of Architecture & Technology, Vol XII, Issue VIII, 2020, pp. 641-649.
18	2020	Dr.C. Janaki	Neutrosophic RW continuity, Neutrosophic RW-open maps and closed maps, Bulletin of Mathematics and Statistics Research, Vol8 (2), 2020, pp. 32-41.
19	2020	Dr.C. Janaki	An application of nano topology in attribute reduction in medical diagnosis for gestational diabetes”, Aegaeum Journal, 2020, 8(6), 209-216
20	2020	Dr.C. Janaki	Notes on nano idea α regular closed sets”, International Journal of Advanced Science and Technology, 2020, 29(2), 2599-2612, (SCOPUS indexed 2020).
21	2020	Dr.C. Janaki	Nano ideal α regular closed sets in nano ideal topological spaces”, International Journal of Mathematical Archive, 2020, 11(1), 1-6.
22	2020	Dr.A.Manonmani	Binary regular beta closed sets and Binary regular beta open sets in Binary topological spaces, The International Journal of Analytical and Experimental Modal Analysis, Vol 12(4), 2020 ,494 – 497
23	2020	Dr.A.Manonmani	On $pgr\beta$ - closed sets in topological spaces, Int. J. Innovative Research in Sci, Eng and Technology, ISSN 2347-6710, Vol. 9(2),2020, 13873-13881.

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24	2020	Dr.A.Manonmani	Alpha dot-interior and Alpha dot-closure in Topological spaces, Int. J. of Advanced Research in Sci, Communication and Tech., Vol-5, Issue-2 (May-2021),477-481.
25	2021	Dr.C. Janaki	Neutrosophic RW Baire Spaces, The Journal of Oriental Research Madras, (UGC CARE LIST I) September 2021, pp. 15-19.
26	2021	Dr.A.Manonmani	Bipolar Interval Valued Intuitionistic Fuzzy Necessity Operator, Compliance Engineering Journal, 12(07), (2021), 72-81.
27	2021	Dr.A.Manonmani	Bipolar Interval Valued Intuitionistic Fuzzy Mappings, Journal of Xi'an University of Architecture & Technology, 13(06), (2021), 692-701.
28	2021	Dr.A.Manonmani	Bipolar Interval Valued Intuitionistic Fuzzy Generalized Closed Set, International Journal of All Research Education and Scientific Methods (IJARESM), 09(05), (2021),1647-1657.
29	2021	Dr.A.Manonmani	Notes on Bipolar Interval Valued Intuitionistic Fuzzy Topological Space, International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), 4(02), (2021),115-123.
30	2021	Dr.C. Janaki	Neutrosophic RW-Homeomorphism in Neutrosophic topological Spaces, Aegaeum Journal, Vol. 9, Issue 1, 2021, pp. 410-418.
31	2021	Dr.A.Manonmani	Chromatic Topological Indices of VPH(m,n) and Nanotorus", International Advanced Research Journal in Science, Engineering and Technology (IARJSET), DOI:10.17148 /IARJSET.2021.8622, (Vol. 8, 2021(6)), PP: 123-127
32	2021	Dr.A.Manonmani	On Chromatic Zagreb Indices of Some Cycle Related Graphs", Journal of Xi'an University of Architecture & Technology, DOI: https://doi.org/10.37896/JXAT13.6/31147 (Vol 13, 2021(6)), PP: 495-509.

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33	2022	Dr.C. Janaki	Neutrosophic Nano RW-closed sets in Neutrosophic Nano topological Spaces, Neutrosophic Sets and Systems, (SCOPUS INDEXED) ,2022,Vol, 48, pp- 42-55.
34	2022	Dr.C. Janaki	Neutrosophic Contra RW- continuous functions in Neutrosophic topological Spaces Published as a chapter No.36, 2022, p.p.833-845 in the Book “Advances and Applications of Fuzzy Sets and Logic”, IGI Global , Publisher of Timely Knowledge.
35	2022	Dr.C. Janaki	A creative approach on bipolar neutrosophic nano * topology”, Journal of Neutrosophic and fuzzy systems, 2022, 3(2), 19-31.
36	2022	Dr.A.Manonmani	Computation of CTI of Certain Graphs ”, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, DOI:https://doi.org/10.32628/IJSRCSEIT, (Vol. 8, Nov. 2022(6)), PP: 67-71.
37	2022	Dr.A.Manonmani	Computation of chromatic zagreb indices of nanotubes and nanotori”, AIP Conference Proceedings 2385, DOI: https://doi.org/10.1063/5.0071149, (January 2022), PP: 130041;1-5. Scopus I
38	2023	Dr.C. Janaki	Some Weaker Forms of Bipolar Neutrosophic Nano * Open Sets”, Neutrosophic sets and systems, 2023, 61, 415-425, (SCOPUS indexed).
39	2023	Dr.C. Janaki	New forms of connectedness in micro ideal topological spaces”, International Journal of Applied Research, 2023, 9(5), 193-199.
40	2023	Dr.A.Manonmani	Supra $r\beta$ - closed sets and supra $r\beta$ – continuity in Topological spaces, Journal of the Asiatic Society of Mumbai, (UGC CARE LIST I) ISSN: 0972 - 0766, Vol.XCVI, No.24, 2023, 203 – 207

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41	2023	Dr.C. Janaki	New sets on local functions of different perfect sets in micro ideal topological spaces”, International journal of scientific research in science engineering and technology, 2023, 10(3), 190-196.
42	2023	Dr.A.Manonmani	A new form of Separation axioms in Binary topological spaces, Indian Journal of Natural Sciences, ISSN: 0976 – 0997, Vol. 14, 2023, 64115 – 64120
43	2023	Dr.A.Manonmani	On Alpha dot-Connectedness and Alpha dot-compactness in Topological spaces, J. of The Asiatic Society of Mumbai (UGC CARE LIST I), Vol-XCVI, Issue-32 (2023),145-151.
44	2023	Dr.R.Devi	Intuitionistic fuzzy q- ideals of bci – algebras with degrees in the interval (0, 1] Journal of nonlinear analysis and optimization vol. 14, issue. 2, no. 1: 2023 issn : 1906- 9685
45	2023	Dr.R.Devi	On Intuitionistic Fuzzy Ideals In Bf – Algebras 56 Journal of Foundational Research, ISSN: 2395-5635 Volume XXXI, No. 2 (G) : July – December: 2023
46	2024	Dr.C. Janaki	Some generalized closed sets in bipolar neutrosophic nano* topology”, Emerging trends in computational mathematics and data science, Jan 2024, SKASC.
47	2024	Dr.A.Manonmani	A new type of Separation axioms in Topological spaces using $\text{pgr}\beta$ - closed sets, Journal of Nonlinear Analysis and Optimization, ISSN: 1906 - 9685, Vol. 15, Issue 1, No. 1, 2024, 125 – 128
48	2024	Dr.A.Manonmani	Obtaining Complement of Open sets in Topological spaces using C Programming, J. of Nonlinear Analysis and Optimization (UGC CARE LIST I), Vol-15, Issue 1 (2024),20-24.

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RESEARCH PUBLICATIONS IN CONFERENCES

S.No	Year	Name of the Faculty	Publication Details
1	2018	Dr.A.Manonmani	A Comparative Analysis on Euclidean distance in IFS and IVIFS” in National level Conference on Recent trends in fuzzy logic on 26 th July 2018 held at Kongu College of Arts and Science, Karur.
2	2019	Dr.A.Manonmani	A Comparative Analysis on Geometric distance measure in Intuitionistic Fuzzy Sets and Interval Valued Intuitionistic Fuzzy Sets” in National level Conference on Soft Computing technique and applicable mathematical tools for Science and Engineering on 1 st February 2019 held at Sasurie College of Arts and Science, Tirupur.
3	2021	Dr.A.Manonmani	"Bipolar Interval Valued Intuitionistic Fuzzy”, First International e-Conference on Management, Science & Technology (ICMST - Online), RBVRR Women’s College, Hyderabad, (May 2021)
4	2021	Dr.A.Manonmani	Chromatic Topological Indices of VPH(m,n) and Nanotorus”, First International e-Conference on Management, Science & Technology (ICMST - Online), RBVRR Women’s College, Hyderabad, (May 2021)
5	2021	Dr.A.Manonmani	Computation of Zagreb Indices of Linear [n]Naphthalene”, Webinar on Recent Advances in Applied Mathematics: Theory & Computation, University of Calcutta, (March 2021)

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6	2021	Dr.C. Janaki	Totally R^G -continuous functions and R^G homeomorphisms in Supra topological spaces, Proc. of International conference on Current Scenario in Pure and Applied Mathematics, (2021), pg.No.47.
7	2021	Dr.A.Manonmani	Properties of Bipolar Interval Valued Intuitionistic Fuzzy Topology” in 4 th International Conference on recent Scenario in Pure and Applied Mathematics (ICCSPAM-2021) on 29 th and 30 th January 2021 at Kongunadu Arts and Science College, Coimbatore.
8	2021	Dr.C. Janaki	Tychonoff theorem via nano ideals and a new structure of micro ideal topological spaces”, International Conference on Current Scenario in Pure and Applied Mathematics, Jan 2021, KNASC. (Awarded as best paper in the conference).
9	2021	Dr.A.Manonmani	On Almost Alpha Dot- Continuous functions and Contra Alpha dot – Continuous functions” in International Virtual Conference on Computational Mathematics-2k21, organized by the Department of Mathematics, PPG College of Arts and Science, Coimbatore, India held on June 24-25, 2021.
10	2021	Dr.A.Manonmani	New Class of Inclusion Measure based on distance measure on Bipolar Interval Valued Intuitionistic Fuzzy Set” in International Virtual Conference on recent Developments in Computational Mathematics (ICCM-21) on 11 th January 2021 at Rathinam College of Arts and Science, Coimbatore.
11	2022	Dr.A.Manonmani	Bipolar Interval Valued Intuitionistic Fuzzy Inverse Mappings” in one day International Conference on recent advances in Mathematics and Statistics on 23 rd May 2022 at Sri Ramakrishna College of Arts and Science, Coimbatore.

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12		Dr.A.Manonmani	On Nano pgr beta neighbourhoods in Nano topological spaces, Proc.of International Virtual Conference on Recent Developments in Computational Mathematics, pp. 4 – 8
13		Dr.A.Manonmani	Min-Max pgrbeta continuous & Max-Min pgrbeta continuous functions in Topological spaces, Proc. of International conference on current scenario in Pure & Applied Mathematics, pg No. 49

