

Faculty Profile



1. **Name** : Dr.N.SARALA
2. **Designation** : Associate Professor of Mathematics
3. **Department** : Mathematics
4. **Age & DOB** : 28.06.1968 & 53 yrs
5. **Date of first appointment** : 02.12.1993
6. **Date of joining in govt. service** : 02.12.1993
7. **Educational Qualification**

Degree / Diploma / Certificate	Subject	Name Of The Institution	Year Of Passing	Remarks
Ph.D	Mathematics	Bharathidasan University	Feb 2012	Highly Commended
M.Phil	Mathematics	Bharathidasan University	Mar 2000	First Class with Distinction
M.Sc	Mathematics	Bharathidasan University	Apr 1990	First Clss with 87%
B.Ed	Mathematics	Annamalai University	Apr 1992	First Class with Distinction
B.Sc	Mathematics	Bharathidasan University	Apr 1988	First Class with 75%

8. **Academic/Teaching Experience**

S. NO.	INSTITUTION	FROM – TO
1.	A.D.M.College for Women(Autonomous), Nagapattinam	From 02.12.1993 to till date

9. **Area of specialization** : Fuzzy Mathematics

10. **Area of Research Interest** : Fuzzy Mathematics, Graph Theory, Mathematical Modelling

11. **Research Projects : Minor Project:** One UGC Minor Research Project finished During 2017 – 2018 on “Some Applications of fuzzy soft matrices in medical diagnosis”

12. **Research Guidance** : Guiding M.Sc , M.Phil & Ph.D Students

(Guided 112 M.Sc Students 40 M.Phil Students and Ph.D 12 Students)

13. **Seminars/Conferences/Workshops Organized**

S. NO.	PROGRAMMES	ORGANIZED BY	DATE
1.	Member, a two day National Seminar on “Mathematical Modeling to Social and Managerial Problems” .	ADM College, Nagapattinam.	24,25th September2004.

	Resource Person on one day seminar “Fuzzy Mathematics” .	Dharmapuram Adhinam Arts College, Dharmapuram, Mayiladuthurai	21-12-2012.
2.	Member, a Two-day National Seminar on “The Strategic Role of Mathematical and Statistical Models”	CSIR Institute, Jharkhand, ADM College, Nagapattinam.	4,5th July 2013.
3.	Resource Person on one day seminar “Fundamentals of Fuzzy. Mathematics & Quasi Normal Matrices”	Department of Mathematics, E.G.S. Pillay Arts & Science College, Nagapattinam.	25-09-2013
4.	Resource Person for staff training programme on handling SLET/NET.	Rabiammal Ahamed Maidden College for Women Thiruvarur.	22/8/2015
5.	Chair person for National Conference on Applied Mathematics and Computer Simulation-recent trends- 2015	Department of Mathematics, E.G.S. Pillay Arts & Science College, Nagapattinam.	7/10/2015.
6.	Acted as chair-person in National Conference on “New Insights of Mathematics, NCONIM - 2016 ”	Department of Mathematics, at E.G.S. Pillay Arts & Science College, Nagapattinam.	23-08-2016
7.	Acted as a Quiz Master	Panchayat School, Andanapettai Nagapattinam	7/9/2016
8.	Acted as a Chair person in National Seminar on Enhanced Trends in Mathematics	Rabiammal Ahamed Maidden College for Women Thiruvarur.	29/8/2018
9.	Webinar on Online Assessment Tools	Convener	27.07.2020
10.	Resource Person in the Webinar on Ramanujan’s Maths – Magic!	Department of Mathematics, Seethalakshmi Achi College for Women, Pallathur, Sivagangai	22.12.2020
11.	Webinar on A Nutshell View of Financial Aids For Higher Education in India	Convener	27.04.2021
12.	Webinar on An Introduction to Analysis	Convener	22.09.2021
13.	Women Centered Programme	Convener	25.09.2021

14.	Resource Person in Faculty Development Programme	Department of Mathematics, E.G.S. Pillay Arts & Science College, Nagapattinam.	23.10.2021
15.	Srinivasa Ramanujan's 134 th Birth anniversary Celebration	Convener	21.12.2021
16.	National Level Webinar on "Mathematics a New Perspective"	Convener	24.12.2021
17.	Acted as a Quiz Master in Srinivasa Ramanujan's 134 th Birth anniversary Celebration	Department of Mathematics, at ADM College for Women (Autonomous), Nagapattinam	21.12.2021

14. Membership in Academic/Professional Bodies :

- Member in Board of Studies
- Acting as Doctoral Committee member for the Ph.D., candidates under others Research Supervisors.
- Board of studies member in Mathematics Department, at A.V.C College of Arts & Science, Mannapandhal, Mayiladuthurai. 2000 -2002
- Acted as mathematics board member at chinmaya vidyalaya school Nagapattinam from 2006
- Board of studies member in Mathematics Department, at A.D.M. College for Women (Autonomous), Nagapattinam.
- Board of studies member in Mathematics Department, at Govt. Arts College for Women Kumbakonam (Autonomous) 2014-2016.
- Acted as Chairmen in UG Mathematics board, Bharathidasan University, Thiruchirappalli and Various Autonomous Colleges
- Acted as Chief Examiner in UG Mathematics Board in Various Autonomous Colleges.
- Acting as a External Expert in Academic Performance & Department Audit Department of Mathematics at Govt. Arts College for Women Kumbakonam (Autonomous) 2018-2019.
- Board of studies member in Mathematics Department, at Govt. Arts College for Women Kumbakonam (Autonomous) 2019-2021.

- University Representative for Mathematics Department, Board of studies meeting at A.V.C College of Arts & Science, Mannapandhal, Mayiladuthurai 2019 -2021.
- University Representative for Mathematics Department, Board of studies meeting at Poombuhar College, Melaiyur 2019 -2021.
- Acted as Examiner in PG and M.Phil Mathematics Board in Various Autonomous Colleges
- Question Paper Setter in the various Autonomous Colleges.
- Scrutinizing Question Paper Board Member in various Autonomous Colleges. (A.V.C College, Kumbakonam Arts College, Poombuhar College)

15. Campus Leadership :

- Coordinator Rotaract Club 2000 – 2005
- Coordinator Entrepreneurship Cell 2006 – 2007
- Coordinator Legal Aid Cell 2010 – 2012
- Coordinator Quiz Club 2013 – 2018
- Coordinator Women cell 2018 – 2020
- Member in R& D Cell (From 2021)
- IQAC Member (From 2021)

16. Seminars/Conferences/Workshops Attended

S.NO.	PROGRAMMES	ORGANIZED BY	DATE
1.	Participated in the National Seminar Topics in Algebra	Department of Mathematics, R.D.G.A College, Sivaganga	14,15 October 2004
2.	Participated in the National Seminar held at Dept. of Mathematics.	A .D.M.C Nagapattinam	September on 24 &25, 2004
3.	Participated in the UGC SPONSORED Seminar on “Mathematical Models and Application”, organized by	Department of Mathematics, AVC College(Autonomous), Mayiladuthurai, Tamil Nadu.	March 12 and 13, 2004
4.	Participated in the UGC sponsored seminar “Contemporary Issues in Human Rights”.	A.D.M.College for Women, Nagapattinam	September 10 & 11, 2004.
5.	Participated 2 day workshop and Public appraisal for doctoral degree programme	Mother Teresa women’s University Research and Extension Centre, Madurai.	2, 3 December 2004

6.	Participated in the National Conference “Recent Trends in Discrete and Fuzzy Mathematics”	Department of Mathematics, Bhart Mata College, Thrikkakara, Cochin	November 10-12. , 2005
7.	A Three-day Workshop on “Curriculum Development and Evaluation” Sponsored by UGC and Tamil Nadu State Council for Higher Education, Chennai	Academic Staff College, Bharathidasan University, Tiruchirappalli, at A.D.M.College, Nagapattinam,	16-18, March 2006
8.	Participated in a workshop on “Educational Technology and E – content Development”	ADM College for women Nagapattinam.	20-12-2006 & 21/12/2006
9.	Participated in a Two day State level Workshop on “Women’s Education for Equality and Empowerment “	A.D.M.College for Women, Nagapattinam	3-4 th March 2006
10.	Participated on national Seminar on “Stochastic process and its applications”.	Department of Mathematics, Annamalai University, Chidambaram, Tamil Nadu.	March 15-16, 2007
11.	Participated UGC sponsored seminar on “Recent Trends in Indian Capital Market”	A.D.M.College for Women, Nagapattinam	20 and 21 July 2007
12.	Participated in the UGC Sponsored Regional workshop on “Strategies and Techniques of Teaching Communication Skills to the Rural Learners”	A.D.M.College for Women, Nagapattinam.	23 rd and 24 th July 2007
13.	Participated in the UGC SPONSORED Seminar on “Mathematical Modeling in Health Care”	Department of Mathematics, Govt . Arts College Kumbakonam Tamil Nadu.	March 28, and 29, 2008.
14.	Participated in National Conference on “Mathematical Modeling” sponsored by NBHM, CSIR, UGC and TANCHE	Department of Mathematics Annamalai University	March 26/28 , 2009
15.	Participated in the International Conference on Applied Science in Mathematics.	EGS Pillay Engineering College Nagapattinam	May 8 and 9, 2015.

16. Orientation/Refresher Courses

S. NO.	PROGRAMMES	THEME	ORGANIZED BY	YEAR
1.	Orientation	-	Academic Staff College, Bharathidasan University, Tiruchirappalli	1997
2.	Refresher Course	Mathematics	Academic Staff College, Bharathidasan University, Tiruchirappalli	2000

3.	Refresher Course	-	Academic Staff College, Bharathidasan University, Tiruchirappalli	2003
4.	Refresher Course	Scientific Tamil	Department of Scientific Tamil, Tamil University, Thanjavur	2003

17. Papers Presentation

S. NO.	NAME OF THE PAPER	ORGANIZED BY	DATE
1	Detour Covex Set	Department of Mathematics, R.D.G.A College, Sivagangai	14,15 October 2004
2	Graphs with Equal Domination parameters	Dept. of Mathematics, A.D.M.C Nagapattinam.	September 24 &25, 2004.
3	Regular Factors in free Graphs	Dept. of Mathematics, A.D.M.C Nagapattinam.	September 24 &25, 2004.
4	Decomposition of signed fuzzy number valued measures and singular complements	Department of Mathematics, Bhart Mata College, Thrikkakara, Cochin.	November 10-12. , 2005.
5	A Characterization of Signed Fuzzy Measures	Department of Mathematics Government Arts College Kumbakonam.	28/ 29 March 2008
6	Decomposition of the Null – additive Signed Fuzzy Measures and absolute Continuity	Department of Mathematics	26,27,28 March 2009
7	Triple Connected Domination Numbers of Fuzzy Graphs	EGS Pillay Engineering College Nagapattinam.	May 2015.
8	Efficient and neighborhood of the Triple connected Domination numbers of Fuzzy Graph	TBML College, Porayar.	7,8 th October 2015
9	The Generalized inverse of Interval Valued Fuzzy soft Matrices	Jamal Mohamad College Thiruchirapalli	10 , 11 Feb. 2016
10	Decision making Carried in Food Adulteration by Using Interval Valued Fuzzy Soft Matrices	Jamal Mohamad College Thiruchirapalli	10 , 11 Feb. 2016
11	Evaluation of Students Mathematical Skill using Fuzzy Inference System	St Peter's University Chennai	11 - 13 Feb. 2016

18. Papers Publications

S.No	Article	Name of the Journal	Year
1.	Detour Convex Set	Proceedings of UGC sponsored National Seminar on the national Seminar conducted by Department of Mathematics, R.D.G.A College, Sivagangai	October 2004
2.	Graphs with Equal Domination parameters	Proceedings of National Seminar held at Dept. of Mathematics, A.D.M.C Nagapattinam,	September 24 &25, 2004.
3.	Regular Factors in free Graphs	Proceedings of National Seminar held at Dept. of Mathematics, A.D.M.C Nagapattinam,	September 24 &25, 2004
4.	Decomposition of Signed fuzzy number valued measure and singular complements	Proceedings of the National Conference on Recent Trends in Discrete and Fuzzy Mathematics”, Cochin University, Kerala.	2005
5.	A Characterization of Signed Fuzzy Measures	Proceedings of UGC sponsored National Seminar held at Department of Mathematics Government Arts College Kumbakonam	March 2008
6.	Riemann Stieltjes integrals of fuzzy valued Functions”,	International Journal “OCTOGON”, Rumania, Vol.16, No.1(A).	October 2008
7.	Decomposition of the Null – additive Signed Fuzzy Measures and absolute Continuity	Proceedings of National Conference organized by the Department of Mathematics Annamalai University	March 2009
8.	Decomposition of measures of Fuzzy Sets.	International Journal “OCTOGON”, Rumania,	2010
9.	Fuzzy Integrals of Fuzzy Valued Measure Functions with Fuzzy Measures	International Journal Ultra Scientist of Physical Sciences	2011
10.	Some Properties of Fuzzy Soft Groups	International Organization of Scientific Research, Vol.10, Issue 2 Ver III pp:36-40,. e-ISSN-2278-3008, p -ISSN – 2319 – 767X. Impact Factor 1.759	April 2014
11.	Invention of Best Technology In Agriculture Using Intuitionistic Fuzzy Soft Matrices	International Journal of Scientific and Technology Research, Volume3, Issue 5.	May 2014

12.	Application of Intuitionistic Fuzzy Soft Matrices in Decision Making Problem by Using Medical Diagnosis	IOSR Journal of Mathematics, Volume 10, Issue 3ver.VI , pp: 37-43.	May- June 2014
13.	On Normal Fuzzy Soft Group	International Journal of Mathematics Trends and Technology- Vol. 10,. Number 2- e-ISSN-2231-5373, Impact Factor 1.469	Jun 2014
14.	Role Model Service Rendered to Orphans by Using Fuzzy Soft Matrices	International Journal of Mathematics Trends and Technology, Volume 11, Number1, pp:14-19.	July 2014
15.	Significant Characters of Fuzzy Soft Matrices	International Journal of Engineering Research & Technology, Vol. 3, Issue 9.	September- 2014.
16.	Connected Domination Numbers of Fuzzy Square Graphs	International Organization of Scientific Research, Vol.10, Issue 6 Ver III pp:36-40,. e-ISSN-2278-5728, p-ISSN – 2319 – 765X. Impact Factor : 1.759	December 2014
17.	Drug Addiction effect in Medical Diagnosis by Using Fuzzy Soft Matrices	International Journal of Current Engineering and Technology, Volume 5, Number1, pp:247-251.	Jan –Feb 2015
18.	“An Application Of Interval Valued Fuzzy Soft Matrix In Medical Diagnosis”	International Organization of Scientific Research, Vol.11, Issue 1, (Version – VI). Pp: 01 – 06 e-ISSN-2278-5728, p-ISSN – 2319 – 765X. Impact Factor (2015) 1.759	February 2015
19.	Model of Mathematics Teaching: A Fuzzy set Approach	International Organization of Scientific Research, Vol. II, Issue 1, Version I pp:19 – 29 p- ISSN -2319 – 735X e-ISSN-2278-5728, Impact Factor 1.3	February 2015
20.	Q – Fuzzy Soft Ring	International Journal of Engineering Research & Technology, Vol. 4, Issue 2, ISSN -2278 – 0181 Impact Factor (2015) 1.76	February 2015
21.	Application of Centroid Technique and Fuzzy Measure for Measuring Mathematics Teaching Skill	International Journal of Science and Research, (IJSR) Vol. 4, Issue 3, pp:1749 – 1755 p- ISSN -2319 – 7064 Impact Factor 4.438	March 2015

22.	The maximum and Minimum Conditions in Fuzzy Soft Ideals of a Fuzzy Soft Lattice	International Journal of Science and Research, (IJSR) Vol. 4, Issue 4, pp:1467-1470 ISSN -2319 – 7064 Impact Factor 4.438	April 2015
23.	An Application of Interval Valued Fuzzy Soft Matrix In Decision Making Problem”,	International Journal of Mathematics Trends and Technology, Volume 21, Number1, pp:01 – 10. P-ISSN-2349-5758. Impact Factor (2015) 1.469	May 2015
24.	Triple Connected Domination Numbers of Fuzzy Graphs”,	International Journal of Applied Engineering Research, Vol.10, pp: 914 - 917,. ISSN- 0973 – 4562.	May 2015
25.	A Triangular Fuzzy Model for Assessing Teachers’ Mathematics Teaching Skills	International Journal of Mathematics Trends and Technology- Vol. 22, Number 1- pp: 09 - 12.	Jun 2015
26.	Advantages and Characteristic Features of Human Life in Villages by Using Fuzzy Soft Matrices	<i>International Journal of Fuzzy Mathematical Archive</i> , Vol.9, No.2, ISSN: 2320-3242(print), ISSN: 2320-3250(online), Impact Factor 2015:1.137, pp:251-260.	June 2015
27.	Fuzzy Models for teaching assessment	IJES, Vol.5, Issue8, Impact Factor 2015: 1.8, pp: 6-12	August 2015,
28.	Sugeno integral based on some inequalities	lose journal if mathematics vol 11, issues 5 version 11	September - 2015.
29.	Neighborhood and Efficient Triple Connected Domination Number of a Fuzzy Graph	International Journal of Fuzzy Mathematical Archive Vol 9 No. 1 PP 73-80 ISSN : 2320-2342	October 2015
30.	Strong (Weak) Triple Connected Domination Number of a Fuzzy Graph	International Journal of Computational Engineering Research Vol 5 Issue 11 ISSN 2250-3005	November 2015
31.	An Application of Distance and Similarity Measure of Fuzzy Soft Set in Decision Making and Medical Diagnosis	International Journal of Science and Research (IJSR), Volume 4 Issue 11, Impact Factor (2014): Impact Factor 5.611	November 2015
32.	Regular Interval Valued Fuzzy soft Matrices	International Journal of science and Research (IJSR), PP 76-79, Impact Factor (2014): 5.611, Volume 4 Issue 11, ISSN: 2319-7064.	November 2015

33.	Students' learning skill of mathematics – A Fuzzy modeling approach”	IJESR, pp 148-159, ISSN: 2347-6532.	January 2016
34.	The Generalized Inverse of Interval valued fuzzy soft Matrices	Jamal Academic Research Journal: An Interdisciplinary, PP 221-228, , ISSN: 0973-0303.	February 2016
35.	Decision Making Carried in Food Adulteration by Using Interval Valued Fuzzy Soft Matrices”, Proceedings of the National Conference on Graph Theory, Fuzzy Graph Theory and Their Applications	Jamal academic research journal: An interdisciplinary, ISSN: 0973-0303,pp: 213-220.	February 2016
36.	Evaluation of Students Mathematical Skill using Fuzzy Inference System	Proceedings of International 1 conference On Recent Advances in Applied Sciences, organized by St Peter's University Chennai during 11 - 13 pp: 497 to 503	February 2016
37.	An Application of Similarity Measure of Intuitionistic Fuzzy Soft Set based on distance in Medical Diagnosis	International Journal of Science and Research (IJSR), Volume 5 Issue 3, Impact Factor 5.6. ISSN: 2319-7064.	March 2016
38.	An Analysis of Endo Metrial (Uterine) Cancer Using Rtd Matrix	IJMTT , vol 31, P –ISSN – 2349 – 5758	March 2016
39.	An application of choquet and sugeno integrals ,	IJLRET , vol 2, issues 5,	May 2016
40.	Different Types of Inequalities Exist Among Human Beings By Using Fuzzy Soft Matrices”,	International Journal of Innovative Research in Science, Engineering and Technology, Volume 5, Issue 5, pp: 8304-8316, ISSN (Online):2319-8753, ISSN (Print): 2347-6710, Scientific Journal Impact Factor 2015: 6.209.	May 2016
41.	An Application of Similarity Measure of Intuitionistic Fuzzy Soft Set based on distance and set theoretical approaches	International Journal of Science and Research (IJSR),Volume 5 Issue 6,. Impact Factor 6.3	June 2016
42.	On fuzzy soft ring and its properties	International Journal of Science and Research (IJSR),Volume 5 Issue 7,.Impact Factor 6.3	July 2016

43.	The g –Semi Inverses of Interval Valued Fuzzy Soft Matrices	International Journal of Research in Applied Mathematics Volume 2 issue 10 (2016) PP 1-4 ISSN : 2394-0735 Impact Factor 6.3	2016
44.	Complete and Complementary Domination Number in Interval Valued Fuzzy Graphs	IJSR Vol 5 Issue 8 2046 – 2050 ISSN 2319 -7064 Impact Factor : 6.391	August 2016
45.	An Introduction to Fuzzy Soft Digraph	IOSR-JM, Volume 13, Issue 3 ver II , PP 46-54, E-ISSN:2278-5728, P-ISSN:2319-765X, Impact factor:3.97.	2017
46.	Application of Fuzzy soft Bi-partite graph in matrimonial process	IOSR-JM, Volume 14, Issue 4 ver III , PP 20-24, E-ISSN:2278-5728, P-ISSN:2319-765X, Impact factor:3.97.	(July –Aug 2018)
47.	Self Weak Complementary Fuzzy Soft Graph	International Journal for Research in Applied Science and Engineering Technology, Volume: 6, issue:3, PP. 698 – 701, ISSN: 2321 – 9653. Impact Factor 6.887	March 2018
48.	Invention of Best Technology in Agriculture using Intuitionistic Fuzzy soft Graph	International Journal of Mathematical Archive - 9 (7), pp 47 – 57 , ISSN – 2229 – 5046.	July 2018
49.	On Fuzzy Round Digraphs	IOSR-JM, Volume 14, Issue 4 ver III , PP 20-24, E-ISSN:2278-5728, P-ISSN:2319-765X, pp. 27 – 30	August 2018
50.	On Quasi Transitive Fuzzy Digraphs	International Journal of Mathematics trends and Technology, Volume: 16, No.2, ISSN: 2231 – 5373, pp.97 – 101.	August 2018
51.	Applications of Fuzzy Soft Graph in Role Model Service Rendered to Orphans.	Journal of Emerging Technologies and innovative Research, Volume: 5, Issue : 12, ISSN 2349 – 5162, pp. 479 – 488 , Impact Factor : 5.87 UGC CARE	December 2018
52.	On r – Kings in Fuzzy Digraphs	Journal of Emerging Technologies and innovative Research, Volume: 5, Issue : 12, ISSN 2349 - 5162	December 2018
53.	Transformation of Fuzzy Digraphs Viewed as Fuzzy Intersection Digraphs.	IJREAM, ISSN:2454-9150	March 2019

54.	Some types of domination in soft graph	International journal of Research and Analytical Reviews, Volume 6, Issue 2 , PP-968-973.ISSN: 2348-1269, P-ISSN: 2349-5138.	June 2019
55.	Some types of domination in Soft graph	International journal of Research and Analytical Reviews, IJRAR, ISSN: 2348-1269, P-ISSN: 2349-5138.	June 2019
56.	Connected Domination Number of Fuzzy Digraphs	IJSRR, ISSN: 2270- 0543, pp. 4096 - 4099.	June 2019
57.	Strong (weak) Domination in Soft graph	JANDRI	June 2019
58.	On soft Bi-Partite Graph	International journal of basic applied research, Volume-07, No.7 18-22, ISSN:2249-3352(P), 2278-0505 (E), Impact factor:5.960.	July 2019
59.	Application of Intuitionistic Fuzzy Soft Graph in Medical Diagnosis.	International Journal of Basic and Applied Research, IJBAR, July 2019. ISSN:2229-3809. E-ISSN:2455-0558.Vol 7, , 18-22, ISSN:2249-3352 (P), 696 - 711 (E).Impact :5.9.	July 2019
60.	Application of fuzzy soft digraph in decision making	IJBAR,,ISSN:2229-3809. E-ISSN:2455-0558., pp. 662 - 673	July 2019
61.	On Soft Bi-Partite Graph	International Journal of Basic and Applied Research, IJBAR, July 2019. ISSN:2229-3809. E-ISSN:2455-0558.Vol 7, , 18-22, ISSN:2249-3352 (P), 2278-0505 (E).Impact :5.960.	July 2019
62.	Detour Domination in Soft graph	International Journal of Scientific & Technology Research, IJSTR,ISSN:2277-5616.Vol 8, Issue:9 Sep 2019, 774-777.Impact : 7.466	Sep 2019
63.	Application of Complex Intuitionistic Fuzzy soft graph in Decision Support System for Mobile Commerce.	International Journal for Research in Engineering Application and Management, Volume. 5, Issue:6, pp. 137 – 143, ISSN – 2454 – 9150, Impact Factor. 5.8, UGC Care	Sep 2019

64.	Geodetic domination in soft graph	Journal of Information and Computational Science, JICS, Oct 2019.ISSN: 1548-7741.VOL 9 ISSUE 10.PP: 488-498.	October 2019
65.	A Detailed investigation and Analysis of Fuzzy Soft Graph in Social Safety Network	Journal of Inter disciplinary Cycle Research, Volume: 9, Issue 190, pp.115 – 134, ISSN: 0022 – 1945, Impact Factor 6.22, UGC Care	October 2019
66.	Certain Investigations on Fuzzy Soft Graph.	International Journal of Analytical and Experimental Model Analysis, Volume: 9, Issue: 10, PP. 421 – 427, ISSN: 0886 – 9367, Impact Factor. 6.3, UGC Care	October 2019
67.	Bipolar Fuzzy Soft graph	International Journal of Innovative Technology and Exploring Engineering, IJITEE, ISSN:2278-3075, Vol 8, Issue 12 Oct 2019, PP: 1 – 7 .	October 2019
68.	Better recruitment and selection strategies using Neutrosophic soft graph	JICS, Journal of Information and Computational Science, Vol 9, Issue 11, Nov 2019, ISSN: 1548-7741, PP:1677-1691.	Nov 2019
69.	Intuitionistic Fuzzy soft Digraph	International Journal of analytical and Experimental model Analysis, ISSN: 0886-9367, Vol XI Issue XI, PP:901-913. IJAEM.	Nov 2019
70.	Fuzzy Stratified graphs	International Journal of analytical and Experimental model Analysis, ISSN: 0886-9367 IJAEM, UGC CARE	Dec 2019
71.	Strong and Weak ,Complete and Complementary Domination in Interval valued Fuzzy Soft Graph.	International Journal of analytical and Experimental model Analysis, ISSN: 0886-9367 IJAEM, UGC CARE, Impact Factor: 6.3, pp. 3583 – 3595	Dec 2019
72.	Anti Hesitant fuzzy soft group	International Journal of analytical and Experimental model Analysis, ISSN: 0886-9367, IJAEM	Dec 2019
73.	Strong Interval Valued Intuitionistic Fuzzy Soft Graph	Journal of Inter disciplinary Cycle Research, Volume: 12, Issue 1, pp.302 – 312, ISSN: 0022 – 1945,	January 2020

		Impact Factor 6.2, UGC Care	
74.	Regular Interval Valued Intuitionistic Fuzzy Soft Graph	International Journal of analytical and Experimental model Analysis, Volume 12, Issue: 1, ISSN: 0886-9367, IJAEM, pp. 1149 - 1161	January 2020
75.	Chromatic Number of Fuzzy Digraphs	International journal of Research and Analytical Reviews, ISSN: 2348-1269, P-ISSN: 2349-5138. IJRAR,	February 2020
76.	The Arithmetical Edifics of Strength of Connectedness in Intuitionistic Fuzzy soft graph.	International Journal of Scientific & Technology Research, IJSTR,ISSN:2277-5616.Vol 9, Issue:2 Sep 2019, 4815-4821.Impact : 3.023 UGC Care	February 2020
77.	Edge Domatic and Edge Domination Number of Fuzzy Digraphs	JES, Mar 2020. Journal of Engineering Sciences, Vol 11, Issue 03 , ISSN:0377-9254. PP:509 – 512. DOI: 10.15433/JES	March 2020
78.	Analysis of Regularity in Fuzzy Soft Graphs and its Applications in Vehicular Communication on the High Ways	Malaya Journal of Mathematics Volume:1. 263 – 272, UGC Care	April 2020
79.	Research on Multi Criteria Decision Making Problem using an interval valued Intuitionistic Fuzzy Soft Information.	Malaya Journal of Mathematics Volume:1, pp. 273 – 282, UGC Care	April 2020
80.	On mixed Multi Fuzzy Digraphs	JES, Journal of Engineering Sciences, Vol 11, Issue 04,ISSN:0377-9254. PP:958 – 960. DOI: 10.15433/JES	April 2020
81.	Regular Intuitionistic Fuzzy soft Dominating Digraph	IJAEM	June 2020
82.	An analysis of Neutrosophic Soft Graph	International Journal of analytical and Experimental model Analysis, ISSN: 0886-9367, Vol XII, Issue VI, PP:1672-1681. IJAEM	June 2020
83.	Implementation of Fuzzy soft digraph in Genetic eye and hair color	Journal of Xidian University, ISSN:1001-2400 (doi.org/10.37896/jux14.4/327), Vol 14, Issue 4, JXU SCOPUS	June 2020.

84.	Intuitionistic Fuzzy Soft digraph in Road Safety Measures	A Journal of Composition Theory, ISSN: 0731-6755, Vol XII, Issue VI, PP:435-445,AJCT	June 2020
85.	Some properties of Bipolar Fuzzy Soft Digraph	INFOKARA RESEARCH, ISSN:1021-9056, Vol 9, Issue 7, 2020, PP:180-186.	June 2020
86.	Differentiating Most Viral Infectious Zone from other region by means of fuzzy coloring of fuzzy digraph.	Compliance Engineering Journal, Volume 11, Issue 8, UGC Care.	August 2020
87.	Distance in Fuzzy Stratified graphs	Page no:957-965, Published in: Volume 7, Issue 4, Publisher Name – IJRAR/www.ijrar.org/E-ISSN 2348-1269, P-ISSN 2349-5138.	October 2020
88.	A Characterization of Center in Fuzzy Stratified Graph.	Wesleyan Journal of Research, Volume 13, Issue 33, ISSN 0975 – 1386. PP 81 – 92 UGC CARE	December 2020
89.	Color Pattern and Degree in Fuzzy Stratified Graph with Arrangement	A Journal of Composition Theory, ISSN: 0731 – 6755, Volume: 13, Issue 12, PP. 158 – 164	December 2020
90.	Self Centered Fuzzy Stratified Graph	GIS Science Journal, ISSN: 1869 – 9391, Volume: 8, Issue:1, pp. 201 – 206.Impact Factor: 6.1	January 2021
91.	Properties of Connectedness in Fuzzy Stratified Graphs	Wesleyan Journal of Research, Volume 13 Issue 60, ISSN: 0975-1396:Impact Factor: 6.7. (UGC CARE)	February 2021
92.	Applications in Fuzzy Stratified Graphs	INFOKARA RESEARCH, ISSN NO:1021-9056, Volume 10, issue 2, Impact factor: 5.3.	February 2021