

DR. SR. STANIS ARUL MARY

RESUME

- 1) Name : Dr.Sr.Stanis Arul Mary
- 2) Designation : Assistant Professor
- 3) Department : PG & Research Department of Mathematics
- 4) Qualification : M.Phil., Ph.D,
- 5) Experience : Teaching : 10 Research : 4
- 6) Area of Specialization (s): Topology, Graph Theory and Fuzzy set theory
- 7) E-mail : stanisarulmary@gmail.com
- 8) Academic Qualifications : M.Phil., Ph.D, PGDOR
- 9) Additional Qualifications : PGDOR
- 10) Research Guidance



Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.		4
M. Phil.		

11) Research Publications

International:

1. $g*\alpha$ - closed sets in bitopological spaces, International Journal of Mathematical Archive (IJMA), Vol.3, Issue.5, May 2012, ISSN 2229 – 5046, Pages:2029-2034
2. Generalized pre regular closed sets in Bim spaces, International Journal of Innovative Research & Studies (IJIRS), Vol.13, Issue.6, June 2014, ISSN: 2319-9725, Pages:344-356
3. Note on contra nano gb-closed maps, Journal of Global Research in Mathematical Archieves(JGRMA), Vol.2 , Issue.10, Oct 2014, ISSN:2320-5822, Pages: 55-66
4. Note on contra nano gb-closed maps, International Journal of Innovative Research & Studies (IJIRS), Vol.13, Issue.11, Nov 2014, ISSN: 2319- 9725, Pages: 98-116
5. On Characterizations of nano rgb-closed sets in nano Topological Spaces, International Journal of Modern Engineering Research (IJMER), Vol.5, Issue.1, Jan 2015, ISSN: 2249–6645, Pages: 68-76

6. On nano gb-closed sets in nano topological spaces, International Journal of Mathematical Archive (IJMA), Vol.6, Issue.2, Feb 2015, ISSN: 2229 – 5046, Pages: 54-58
7. Remarks on nano gb-irresolute maps, Elixir International Journal, Vol. 80, Mar 2015, ISSN: 2229 – 712X, Pages: 30949-30953
8. Properties of nano gb-closed maps, IOSR Journal of Mathematics (IOSR-JM), Vol. 11, Issue.2, Apr 2015, ISSN: 2278-5728, Pages: 21-24
9. Characterizations of mildly nano gb-normal spaces, International Journal of Applied Research (IJAR), Vol. 1, Issue.9, Jul 2015, ISSN: 2394- 5869, Pages: 587 – 591
10. Note on quasi nano b-normal spaces, Bulletin of Mathematics and Research, Vol. 3, Issue.3 Sept 2015, ISSN: 2348 – 0580, Pages: 124 - 136
11. Cotangent similarity measure of rough fuzzy sets and Its application on wireless network, International Journal of Applied Research (IJAR), Vol. 1, Issue.11, Sept 2015, ISSN: 394- 5869, Pages: 537 – 540
12. Correlation Measure for Rough Neutrosophic Refined Sets and its Application in Medical Diagnosis, Elixir International Journal, Vol. 89, Dec 2015, ISSN:2229- 712X, Pages: 37031- 37038
13. On quasi nano rgb-closed maps, Bulletin of Mathematics and Statistics Research, Vol. 3, Issue.4, Dec 2015, ISSN:2348 – 0580, Pages: 1- 9
14. Properties of nano b-regular spaces, International Journal of Mathematics Trends and Technology (IJMTT), Vol.28, Issue.1, Dec 2015, ISSN: 2231-5373
15. On nano gb-continuous and slightly nano gb- continuous Maps, Indian Journal of Applied Research (IJAR), Vol.8, Issue.5, May 2018, ISSN: 2249-555X, Pages: 417-421
16. Rough fuzzy ideals in near-rings, Elixir International Journal, Vol. 118, May 2018, ISSN: 2229 – 712X, Pages: 50715-50719
17. Properties of somewhat nano b-continuous and somewhat nano b-open functions, International Journal of Mathematical Archive (IJMA), Vol. 9, Issue.6, June 2018, ISSN: 2229 – 5046, Pages:101 - 107
18. Skewness and kurtosis on edge coloring of certain graphs, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Vol 7, Issue 4, April

2019.

19. Geo Chromatic Number for certain Cartesian product of Graphs, International Journal of Mathematics Trends and Technology (IJMTT) – Volume 66 Issue 1 – Jan 2020, Pages: 40- 43
20. On packing coloring of ladder and triangular ladder graph families, Journal of Information and computational science (UGC Care Approved Group II Journal), volume 10 issue 1 – 2020, 1252-1257
21. On equitable coloring parameters of certain graphs, Journal of information and Computational Science (UGC Care Approved Group II Journal), volume 10 issue 1 – 2020, 891-898
22. On super mean labeling for line and middle graph of path and cycle, journal of information and computational science (UGC Care Approved Group II Journal), volume 10 issue 1 – 2020, 781-794
23. b-Coloring for the Family of Paw Graph, Journal of Information and Computational Science, Volume 11, Issue 2 – 2021, 258-266.
24. Cordial Labeling and Anti- magic labeling for the Family of Fish graph, International Journal of Research Publication and Reviews Vol (2), Issue (2) (2021), Page 357-364
25. Game on Labyrinth Graph: POPWIN (GLGP), International Research Journal of Modernization in Engineering Technology and Science, Volume:03/Issue:02/February-2021, Page: 1286- 1296.
26. Sum divisor cordial Labeling of some graphs, The International journal of analytical and experimental modal analysis, Volume XIII, Issue II, February/2021, Page 1730-1742
27. Face Magic Labeling of N Number of Vertices of Graphs, International Research Journal of Modernization in Engineering Technology and Science, Volume: 03, Issue:02, February-2021, Page 1068-1075.
28. Fuzzy Graph Coloring Using α^+ Cuts, IJSART - Volume 7 Issue 2 – FEBRUARY 2021, Page 1-5
29. Fuzzy Graph Coloring, International journal of analytical and experimental modal analysis, Volume XIII, Issue III, March/2021, Page 293- 298
30. Quadri Partitioned neutrosophic soft set, International Research Journal on Advanced

Science Hub, volume 3, issue 02S, FEBRUARY 2021, Pages 106-112

31. Pentapartitioned Neutrosophic Pythagorean Soft set, International Research Journal of Modernization in Engineering Technology and Science [IRJMETS], volume 3, Issue 2, February 2021. Pages 906-913
32. Pentapartitioned Neutrosophic soft sets, Infokara Research Journal, volume 10, Issue 2, February 2021, pages 106-116.
33. Pentapartitioned Neutrosophic Pythagorean Set, International Research Journal on Advanced Science Hub, volume 3, issue 02S, FEBRUARY 2021, Pages 62-68.
34. Heptapartitioned Neutrosophic set, International Journal of Creative Research Thoughts [IJCRT], volume 9, Issue 2, FEBRUARY 2021, 222-230
35. Neutrosophic Pythagorean Soft Set, Neutrosophic Sets and Systems, vol 42, 2021, 65-78
36. Pentapartitioned Neutrosophic Pythagorean Topological Spaces, Journal of XI' AN University of Architecture and Technology, 2021, vol XIII, Issue 4, 1-7
37. K-algebra on Quadripartitioned Neutrosophic Pythagorean Set, Gis Science, 2021, vol 8, Issue 3, 1553-1573
38. Bipolar Pentapartitioned Neutrosophic Set and its topological spaces, International Journal of Creative Research Thoughts, 2021, vol 9, Issue 5, g304-g309
39. Quadripartitioned Neutrosophic Pythagorean Set, International Journal of Research Publication and Reviews, 2021, vol 2, Issue 4, 276-281
40. Quadripartitioned Neutrosophic Pythagorean Soft Set, International Journal of Neutrosophic Science, 2021, vol 14, Issue 1, 9-23
41. Improved Correlation Coefficients of Quadripartitioned Neutrosophic Pythagorean Closed Sets using MADM, Journal of Computational Mathematics, 2021, vol 5, Issue 1, 142-153
42. Pentapartitioned Neutrosophic Generalized Semi Closed Sets, Journal of Computational Mathematics, 2021, vol 5, Issue 1, 123-131
43. Bipolar Pentapartitioned Neutrosophic set and its Generalized Semi- closed Sets, International Journal of Research Publication and Reviews, 2021, vol 2, Issue 8, 1130-1137
44. Quadripartitioned Neutrosophic soft topological spaces, International Journal of Research

12) Presentations in Conference

1. Pre-closed sets in bim spaces, 79th Annual Conference of Indian Mathematical society, Cochin (28.12.2013-31.12.2013).
2. On nano gb-closed sets, Nirmala Annual Research Congress, Nirmala College for Women, Coimbatore. (27.09.2014)
3. On semi pre-open sets in nano topological spaces. International conference on mathematical sciences, school of mathematics, Kamaraj University, (21.08.2014-23.08.2014).
4. On nano gb-continuous maps, National conference, Women's Christian College, Chennai, (12.01.2015-13.01.2015).
5. On stronger forms of nano gb-continuous maps, National conference, Erode Arts and Science College, Erode, (07.02.2015).
6. Remarks on nano rgb-continuous and irresolute maps, National conference, Sri Sarada College for Women, Salem, (11.02.2015-12.02.2015).
7. On Intuitionistic fuzzy ideals of a ring using (α, β) -level relations, International workshop on Intelligent data analysis techniques (IWIDAT 2015), Pondicherry University (A Central University of India), Pondicherry. (17.03.2015)
8. Quadripartitioned neutrosophic phythagorean set with dependent components, International conference on science and technology, Global conference hub, Coimbatore, India, (30.1.2021 – 31.1.2021).
9. Irredundant complete cototal domination number of graph, International conference on applied mathematics & civil structures, organized by Department of mathematics and Department of Civil Engineering ,Kalavakkam, (12.2.2021 – 13.2.2021).
10. Neutrosophic phythagorean soft set with T and F as dependent neutrosophic components, International conference on applied mathematics & civil structures organized by Department of mathematics and Department of Civil Engineering ,Kalavakkam, (12.2.2021 – 13.2.2021).
11. Pentapartitioned neutrosophic phythagorean soft set, International webinar on mathematical analysis and their applications organised by Department of mathematics , University of Kerala, (22.2.2021 – 26.2.2021).
12. Quadripartitioned neutrosophic phythagorean soft set, International conference on advanced research in mathematical sciences , Sri Manakula Vinayagar engineering college, (24.2.2021 – 25.2.2021) .
13. Quadripartitioned neutrosophic ideals of quadripartitioned neutrosophic KU-algebra, 6th Biennial International group theory conference, Department of

mathematics school of advanced sciences, Vellore institute of technology, Vellore, Tamil Nadu , India, (4.3.2021 – 6.3.2021).

13) Participation in Conference

S.No	Date	Topic	Organizer
1	06.01.2015	Echo of Mathematics	Department of Mathematics, Nirmala College for Women

14) Participation in Seminar/Webinar

S.No	Date	Topic	Organizer
7	04.05.2020	How to use Turnitin Software for your research “Turnitin Online on Campus”	Guru Nanak Institute of Management Studies
9	10.05.2020	Tskhd ehL mjpy; cq;fs; gq;fspg;G	Arasu Women’s College
10	13.05.2020 – 15.05.2020	Future of Entrepreneurship and Employment Opportunities	Nehru Institute of Technology
11	14.05.2020- 16.05.2020	Stay healthy and Keep fit during Lockdown	Tamil Nadu Physical education and Sports University
12	15.06.2020- 21.06.2020	Webinar on the 7 gifts of the Holy Spirit	Nirmala College for Women
14	06.08.2021	Essentials of Mathematics for Machine Learning	Government Arts College, Udhagamandalam
15	07.08.2021	Relevance of Mathematics in Control systems	KPR Institute of Engineering and Technology, Coimbatore

15) Participation in Workshop

S.No	Date	Topic	Organizer
1	02.02.2013	National Programme on Technology Enhanced Learning	IIT, Madras

3	13.10.2018	Outcome Based Education	Internal Quality Assurance Cell, Nirmala College for Women
4	02.02.2019	Intellectual property rights, patents and copyrights	Internal Quality Assurance Cell, Nirmala College for Women
5	07.03.2020	Revised Guidelines for the Accreditation Process of NAAC	Internal Quality Assurance Cell, Nirmala College for Women
6	19.03.2020	Innovative Eco Systems, Incubation Centers and Start -ups for Higher Education Institutions	Internal Quality Assurance Cell, Nirmala College for Women
8	07.05.2020	Academic Integrity	Rehoboth Academic Services, Bangalore
13	02.06.2021-04.06.2021	Research Methodology	Annai Velankanni College of Engineering, Kanyakumari

16) Participation in Orientation Programme/ Induction Programme/ Short term Courses

S.No	Course Name	Date of Registration	Date of Completion	Organizer
1	Personality types at work	16.09.2020	28.09.2020	University of Florida
2	Managing Asthma, Allergies, Diabetes, and Seizures in School	16.09.2020	05.11.2020	University of Colorado
3	Science of Exercise	14.09.2020	05.11.2020	University of Colorado
4	Our Earth's Future	19.09.2020	06.11.2020	American Museum of Natural History
5	Feminism and Social Justice	14.09.2020	06.11.2020	University of Santa Cruz
6	Mindshift: Break Through Obstacles to Learning and Discover Your Hidden Potential	16.09.2020	08.11.2020	MC Master University
7	Cancer Prevention Web-Based Activity	19.09.2020	15.11.2020	University Virginia
8	Extinctions: Past, Present, & Future	10.11.2020	26.11.2020	Emory University

17) Participation in Faculty Development Programme

S.No	Date	Topic	Organizer
1	30.10.2019	Innovative Teaching Strategies	Curriculum Development cell, Nirmala College for Women
2	29.04.2020-01.05.2020	MOODLE learning management system	Kaypeeyes College of Arts and Science, Tamilnadu
3	30.04.2020-02.05.2020	How to take your teaching online	North Storm Academy
4	02.05.2020	How to write effective case study	Atmiya University, India
5	08.05.2020	Course and Curriculum Design in Higher Education	Sri GVG Visalakshi College for Women, Tamilnadu
6	11.05.2020	Recent Trends in Colour Image Processing	Patrician College, Tamilnadu
7	13.05.2020-14.05.2020	How to do Online course planning and design	North Storm Academy
8	13.05.2020-20.05.2020	R language	Auxilium College, Tamilnadu
9	16.05.2020	Fuzzy Sets and Systems	Patrician College, Tamilnadu
10	18.05.2020	My life, my pride, my career	Patrician College, Tamilnadu
11	22.03.2021-23.03.2021	Aspects of Mathematics	Dwaraka Doss Goverdhan Doss Vaishnav College
12	21.06.2021-26.06.2021	Application of Mathematics in Science and Technology	Department of Science and Humanities, Narasu's Sarathy Institute of Technology, Salem

18) Conference/ Seminar/ Workshop Organized

S.N O	Nature of the Activity	DATE	TOPIC	RESOURCE PERSON
1	E Quiz	20.05.2020 to 23.05.2020	E-Quiz on Mathematical Aptitude from	-

2	E Quiz	3.06.2020-06.06.2020	Tik tok Contest on 'COVID-19 & Personal Hygiene	-
3	Seminar	20.05.2021	One day national seminar on Human Values	1.9 am –Rev.Fr. Dr. John F Sequina OCD College of Philosophy and Religion, Mysore 2. 11 am – Mr.Jonichan J Academic Supervisor, St. Francis School, ICSE, Bangalore 3. Mr.V.N.Ashok Kumar, Dy.General Manager, Astral Limited, Chennai
4	Workshop	28.6.2021 9am – 1 pm	Yoga and Energy Healing	ReV.Sr.Leema Lawrence, Principal, Nirmala Mat.Hr.Sec.School

19) Invited Speaker/ Session Chair – Conference/ Seminar/ Workshop

S.No	Topic	Organizer	Date	National/ International
1	Art of graph matching and its application	RSP Science Hub & Global Conference Hub	28.03.2021	International Conference on Innovations in Engineering Sciences"- ICIES 2021 (Online)
2	Information Technology, Computing & Applications	RSP conference HUB and Sreenidhi Institute of Science and Technology	06.05.2021	"International Conference on Information Technology , Computing & Applications" (ICITCA- 2021)
3	Management Science &	Global Conference Hub and R.B. V.	30.05.2021	"International Conference on

	Technology	R.R. Women's College		Management, Science & Technology" (ICMST- 2021).
--	------------	-------------------------	--	--