

Curriculum-Vitae

Personal Profile



Name : Dr. Nagam Sulochana
Permanent Address : 7/ 132, Brahmin Street, Chennur, Kadapa – 516162 Andhra Pradesh, India.
E.mail Id’s : **sulochananagam@gmail.com**
Mobile No.’s : +91-9985514686
Date & Place of Birth : 12-06-1983, Chennur, Kadapa, Andhra Pradesh, India
Gender : Female
Nationality : Indian
Category : OC

Educational Qualifications

- Ph.D (Structure of Certain Classes of Semirings) From Yogi Vemana University Kadapa.
- M.Sc (Mathematics) from Sri Venkateswara University Tirupathi.
- B.Sc(M.P.C) from Sri Venkateswara University Tirupathi.
- Intermediate from Board of Intermediate Education.
- S.S.C from Board of Secondary education.

Technical Qualification:

- Post Graduate Diploma in Computer Applications.
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➤ Research Interest

- Algebra : Applications of Semigroups and Semirings

➤ Teaching Experience

- Working as lecturer in Mathematics at Government College for Men, Kadapa since 02/03/2024.
- Worked as Lecturer in mathematics at Government Degree College, V.Madugula Anakalpalle District from 25/08/2021 to 01/03/2024.
- Worked as Assistant Professor in Mathematics at K.S.R.M College of Engineering, Kadapa from 25/09/2014 to 16/01/2021.

Academic Achievements

- GATE Qualified with Rank 320 in 2009.
- Qualified Andhra Pradesh State Eligibility Test (APSET) 2020.



Membership in National Bodies

1. Life Member, **Indian Mathematical Society**, L/2017/139, Life Member.
2. Life Member, **Andhra Pradesh and Telangana state Mathematical society**.
3. Life Member, Indian Society for Technical Education, LM 107169.

Books, and Research Publications : 3

1. Dr.N.Sulochana -“Complex analysis and special functions” isbn:978-93-89116-58-8
Research India Publications
2. Dr.N.Sulochana – “Structure of Certain Classes of Semirings and Ordered Semirings” Book
Published in the Month of August, 2022, ISBN- 978-613-8-83557-8. In Lambert Publishers.
3. Dr.N.Sulochana – “Structure of Certain Classes of Semirings and Ordered Semirings” Book
Published in the Month of August, 2022, ISBN- 978-613-8-83747-3. In Lambert Publishers.

Research Publications : 18

1. Dr. M. Amala, Dr. Y. Monikarchana, Dr. N. Sulochana and Dr. G. Rajeswari “A Study on the Classes of Additively Regular Semiring and Ordered Semiring” Journal of Harbin Engineering University, December 2023 ISSN: 1006-7043 Vol 44 No. 12 ,pp. 607-612.
Elsevier- SCOPUS indexed.
2. M.Amala and N.Sulochana “Classes of T^* semiring”, Indian Journal of Science and Technology, Year: March 2022, Volume: 15, Issue:11, Pages: 489-494, ISSN Print: 0974-6846 Electronic: 0974-5645. DOI: 10.17485/IJST/v15i11.1020. **UGC CARE LIST- A and WEB OF SCIENCE.**
3. Dr. SUJATHA KURAKULA and Dr. N SULOCHANA, “Extension Of Rhoades Theorem To Two Sequences Of Self Maps”, The International journal of analytical and experimental modal analysis ISSN NO:0886-9367, Volume XIII, Issue XII, December/2021 Page No: 672.
4. M.Amala and N.Sulochana, “On the Additive and Multiplicative structures of Regularity and Unit element” International Journal for Research in Engineering Application and Management (IJREAM) Vol-04, Issue-03, PP 694-696, June 2018. ISSN : 2454-9150. Impact factor 5.646 , **Approved by UGC List No. 64077.**
5. N.Sulochana^{*1}, M.Amala², “On the Structures of Regular Semirings”, World Journal of Engineering Research and Technology, WJERT 2016, Vol.2, Issue 5, PP 245 -253. ISSN 2454-695X. Impact factor 3.419. Indexing: Scientific Research Publishing, H5 Index- 7*. Citation count [1040](#).
6. M.Amala^{*1}, N.Sulochana² and T.Vasanthi³, “Classes of Regular Semiring”, IOSR Journal of Mathematics (IOSR-JM), Volume 12, Issue 5 Ver. I (Sep. – Oct. 2016), PP 70-71. e-ISSN: 2278-5728, P-ISSN: 2319-765X. Impact factor 1.759. Indexing: Crossref DOI is 10.9790, NASA, J-GATE, Google Scholar.
7. M.Amala^{*1}, N.Sulochana² and T.Vasanthi³, “Structure of Multiplicatively Sub idempotent Semirings”, International Refereed Journal of Engineering and Science (IRJES) Volume 5, Issue 8 (August 2016), PP.29-32, ISSN (Online) 2319-183X, (Print) 2319-1821. AQCI Impact factor 2.31. Indexing: J-GATE, Google Scholar, Index Copernicus, Ulrichs Web, Jour Informatics, cabell’s Directories.
8. N.Sulochana, M.Amala, and Y.Monikarchana, “A Simple Study on the Structures of zeroid



- and Ordered Semirings,” International Research Journal of Advanced Engineering and Science, Volume 1, Issue 4, pp. 26-28, 2016. ISSN: 2455-9024. SJIF 5.23. Indexing: Google Scholar, Research Erid.
9. N.Sulochana^{*1}, M.Amala² and T.Vasanthi³, “A Note on Left Regular Semiring” International Journal of Engineering Research and Applications (IJERA) Vol. 6, Issue 8, (Part -4) August 2016, PP.08-10. ISSN 2248-9622,
 10. Impact factor 1.69. **UGC Approved journal** Indexing: Google Scholar, DOAJ, NCBI, cabell’s Directories, Index Copernicus, NASA ADs
 11. M.Amala^{*1}, N.Sulochana² and T.Vasanthi³, “A Study on the class of Semirings”, International Journal of Modern Research in Engineering and Technology (IJMRET), Volume 1 Issue 2 July 2016. PP 5-7. ISSN 2456-5628 Impact factor 0.676. Indexing: Google Scholar, Academic resource index, world cat
 12. N.Sulochana^{*1}, M.Amala² and T.Vasanthi³, “A Study on the Classes of Semirings and Ordered Semirings”, Advances in Algebra Volume 9, Number 1 (2016), pp. 11-15. ISSN 0973-6964. All rights are reserved with Research India Publications
 13. “Structure of Some Idempotent Semirings”, Journal of Computer and Mathematical Sciences, Vol.7(5), 294-301, May 2016, ISSN0976-5727(Print)ISSN2319-8133 (Online). Google scholar, index Copernicus, Cosmos Impact factor
 14. “Properties of Completely Regular Semirings” South east Asian Bulletin of Mathematics” (2016) 40: 923–930, . UGC Care List- A and Web of Science.
 15. “Some Studies on Semirings” International Journal of Mathematics Trends and Technology, Volume 4 Issue 11 – December 2013, ISSN: 2231-5373. Google scholar, Thomson Reruters.
 16. “On The Additive and Multiplicative Structure of Semirings”, Annals of Pure and Applied Mathematics, Vol. 3, No. 1, 2013, 78 – 84, ISSN 2293-8742 (Online) Impact factor 1.014.
 17. “Semirings Satisfying the Identities”, International Journal of Mathematical Archive, 3(9)-2012, 3393- 3399, ISSN 2229 – 5046..
 18. “Structure of Semirings and Ordered semirings”, International Journal of Mathematical Archive, 3(3)-2012, page 994-999, ISSN 2229 – 5046. Impact value 5.09.

Participated in FIP/FDP/RC:

1. Participated in five day online Faculty Development Program on “Applications of Mathematics in Applied Sciences and Engineering” jointly organized by GMR Institute of Technology- Rajam & National Institute of Technology-Warangal from 30th January - 03rd February, 2023.
2. Participation in 05-Day Residential Faculty Induction Programme held at Andhra University, Visakhapatnam from 29.06.2022 to 03.07.2022.
3. for participating in “5 Day Training Programme for Teachers on ICT (TOT on ICT)” from 22.07.2022 to 26.07.2022, organized by Commissionerate of Collegiate Education, A.P., Vijayawada at Dr VSK GDC, Visakhapatnam.
4. completed ONLINE TWO - WEEK INTERDISCIPLINARY REFRESHER COURSE in “ADVANCED RESEARCH METHODOLOGY” from 22 AUGUST– 05 SEPTEMBER, 2022.



PAPER PRESENTATIONS IN CONFERENCES/SEMINARS

International: 05.

1. International Conference on Innovations and Developments in Mathematical Sciences and Technology (ICIDMST-2023) in Department of Mathematics, Sri Krishnadevaraya University on 28th -30th June, 2023 on “Structures of Additively Regular Semiring”.
2. International Conference on Mathematical Sciences and Applications (ICMA-2020) “Some special classes of semiring” Jan 27-29, 2020 Organized by PG and Research Department of Mathematics Sacred Heart college, Tirupattur, Tamilnadu.
3. 2nd International conference on “Emerging trends in Engineering, Sciences & Management ” RGM College of Engineering & Technology, Nandyal, 21-22 December 2018.
4. International conference on “Applications of Fluid Dynamics” (ICAFD- 2014), July 21st -23rd, 2014, S.V. University, Tirupati.
5. International Conference on “Semigroups Algebras and Operator Theory” Cochin University of Science and Technology, Kochi, Kerala on Feb 26th to 28th 2014.

National: 11

1. National Seminar on “Application oriented Mathematical sciences” on March 02nd 2020 in Department of Applied Mathematics, Yogi Vemana University, Kadapa on “Applications of complemented Semiring”.
2. Andhra Pradesh Science Congress-2018, held at Yogi Vemana University during 9-11 November 2018 .
3. National Conference on “Recent Advances in Mathematics and its Applications ” at S V University, 29th August 2017.
4. National seminar on “Recent Trends and Challenges in Mathematical Sciences” 28th and 29th November, 2015 at Sri Krishnadevaraya University, Anantapuramu, organized by Department of Applied Mathematics.
5. National seminar on “Frontiers in Mathematics” 18th and 19th March, 2015 at Yogi Vemana University, Kadapa organized by Department of Applied Mathematics.
6. National Conference on “Recent Developments in Applications of Mathematics in Science & Engineering” at Annamacharya Institute of Technology And Sciences, Rajampet on January 10th -11th, 2015.
7. National Seminar on “Physical, Biological & Social Sciences at Degree Level” held on January 5th & 6th, 2015 at the K.S.N Govt. Degree College for Women, Anantapur.
8. National Seminar on “Recent trends in Digital Image Processing and Applications”, Yogi Vemana University, Kadapa.
9. National seminar on “Mathematical Modeling in Science and Technology” on February 27th – 28th 2013 at Skr & Skr Govt. Degree College for Women, Kadapa
10. National seminar on “Recent developments in Algebra and its Applications to Science and Technology”, S K University, Anantapur on 29th–30th November 2013.



11. National seminar on “Algebra analysis and Discrete Mathematics” Department of Mathematics, University of Kerala, Thiruvananthapuram, Feb. 8-10, 2012.

CONFERENCES/SEMINARS/WORKSHOPS /WEBINARS ATTENDED:

1. International workshop on “Mathematical and Computational fluid dynamics” 13th–15th, December 2010 at Satyabama University, Chennai.
2. National Workshop on “Discrete Mathematics Algebra and their applications” in Yogi Vemana University on February 7 – 11 , 2011.
3. UGC sponsored two day National Seminar on “Present Trends in Algebra and its Applications” at JMJ College for Women (Autonomous) Tenali, Guntur during 11th & 12th July, 2011.
4. XX Congress of APSMS & National Conference on Mathematical Modeling & Simulation, 9th- 11th December 2011”, at Swarna Bharathi Institute of Technology, Khammam.
5. National Workshop on “Recent Trends on Mathematical Applications”, March 28th, 2012 at Yogi Vemana University, Kadapa.
6. National Seminar on “Advances in fluid dynamics”, 30th May 2013 at Sri Venkateswara University, Tirupati.
7. National Workshop on “Recent Trends on Cloud Computing”, September 26th, 2012 at Yogi Vemana University, Kadapa.
8. National Seminar on “Recent Developments in Mathematical Sciences”, 28th June 2013 at Sri Venkateswara University, Tirupati.
9. National Workshop on “Mathematics and its Applications” on Feb 04th to 6th 2014 at Yogi Vemana University, Kadapa.
10. National workshop on “Environmental protection and Management” Feb 14-15th 2014, Yogi Vemana University, Kadapa.
11. National workshop on “Quantitative Methods in Economics”, March 05- 07th 2014, Yogi Vemana University, Kadapa.
12. One day workshop on “Innovations in Technology”, on 9th December, 2015 at JNTUA, Ananthapuramu.
13. Workshop on “Effective Teaching Methods using MATLAB & Simulink ” held at K.S.R.M College of Engineering, Kadapa om 7th October 2017.
14. 5 day Faculty Development programme on “Introduction to Machine Learning” held at Centre for Research and Innovation, KSRRM College of Engineering, Kadapa from 11- 15 February 2019.
15. Workshop on “Innovative Techniques in Engineering and Management” held at K.L.M College of Engineering, Kadapa om 22-23 march 2019.
16. National webinar on “The Importance of Applied Mathematics in Engineering Education “Organized by Mahaveer Institute of Science and Technology , Hyderabad, Conducted online on 25th July 2020.
17. One week Virtual International Lecture Workshop on “New Advances in Mathematical and Computational Sciences” organized by Department of Applied Mathematics Yogi Vemana



University in from 13/09/2021 to 18/09/2021.

18. International Symposium on “MATHEMATICAL SCIENCES AND THEIR APPLICATIONS:MSATA-2022”JANUARY 28th&29th ,2022 organized by Department of Applied Mathematics, Yogi Vemana University , kadapa.
19. One Day National Webinar on 30.11.2022,organised by the Department of Mathematics & Commerce, Government Degree College, Narasannapeta, Srikakulam District.

