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Name : R. SUBASREE

Designation : Associate Professor – I

Department : Mathematics

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Google Scholar link :

<https://scholar.google.com/citations?user=nFpVODgAAAAI&hl=en&oi=sra>

1. Educational Qualification

Degree	Branch / Specialization	Institute/University	Year of Passing
B.Sc.,	Mathematics	A.P.C. Mahalaxmi College for Women, Manonmaniam Sundaranar University	2005
M.Sc.,	Mathematics	A.P.C. Mahalaxmi College for Women, Manonmaniam Sundaranar University	2007
M.Phil	Mathematics	A.P.C. Mahalaxmi College for Women, Manonmaniam Sundaranar University	2008
Ph.D	Mathematics	Manonmaniam Sundaranar University	2017
SET	Mathematics	Mother Teresa Women's University	2017

2. Professional/ Industry Experience

S.No	Designation	Institution/ Organization	Period	
			From	To
1	Assistant Professor	Grace College of Engineering	19.06.2009	20.01.2014
2	Assistant Professor	PSR Rengasamy College of Engineering for Women	03.06.2015	30.04.2016
3	Assistant Professor	Ramco Institute of Technology	01.06.2016	31.05.2018
4	Assistant Professor (Senior Grade)	Ramco Institute of Technology	01.06.2018	31.01.2024
5	Associate Professor (Grade I)	Ramco Institute of Technology	01.02.2024	Till date

Updated as on 08.06.2026

3. Research Interest: Fuzzy and Neutrosophic Topology

4.1 JOURNAL PUBLICATIONS: 15

1. **Subasree R** and Maria Singam M (July 2013), "*On $b\hat{g}$ – Closed sets in Topological Spaces*", International Journal of Mathematical Archive, Vol 4, Issue 7, pages 168 to 173.
2. **Subasree R** and Maria Singam M (Oct 2013) "*On $b\hat{g}$ – Continuous maps and $b\hat{g}$ – Open maps in Topological Spaces*", International Journal of Engineering Research and Technology, Vol 2, Issue 10, pages 3443 to 3451.
3. **Subasree R** and Maria Singam M (December 2014), "*On Contra $b\hat{g}$ – Continuous functions in Topological Spaces*", International Journal of Mathematical Archive, Vol 5, Issue 12, pages 66-74.
4. **Subasree R** and Maria Singam M (June 2015) "*On $(\tau_i, \tau_j) – b\hat{g}$ – Closed Sets in Bitopological Spaces*", International Journal for Scientific research and development, Vol 3, Issue 6, pages 1269-1276.
5. **Subasree R** (July 2016), "*On $b\hat{g}$ – Quotient Mappings in Topological Spaces*", International Journal of Innovative Research in Science, Engineering and Technology, Vol 5, Issue 7, pages 13647 to 13654.
6. **Subasree R** (May 2018), "*A New Class Of Minimal And Maximal Sets Via $b\hat{g}$ – Closed Set*", International Research Journal of Mathematics, Engineering and IT, Vol 5, Issue 5, pages 1 to 11.
7. Basari Kodi K, **Subasree R**, Sathikala L (April 2021), "*Scope for application of Topological spaces in Data Granulation through a new class of nearly open set Semi* Regular*-Open sets*", Turkish Journal of Computer and Mathematics Education Vol.12 No.2(2021), 2176–2179.
8. **Subasree R**, Basari Kodi K (June 2022), "*On $N\beta^*$ -Closed sets in Neutrosophic Topological spaces*", Neutrosophic Sets and Systems, Vol. 50, pp.372-378. DOI: 10.5281/zenodo.6774847.
9. **Subasree R**, Basari Kodi K, (March 2023), "*A Study on $N\psi\beta$ and $N\beta\psi$ - Closed sets in Neutrosophic Topological spaces*" in Baghdad Science Journal, 2023, 20(1 Special Issue) ICAAM: 283-287.
10. **Subasree R**, Basari Kodi K, Sathikala L, Subramanian K.(April 2023), "*A Study on various Pentapartitioned Neutrosophic generalized closed sets*", in International Journal of Neutrosophic Science, Vol. 20, No. 4, 235-240.
11. **Subasree R**, Basari Kodi K (May 2024), "*On Heptagonal Neutrosophic Semi-open Sets in Heptagonal Neutrosophic Topological Spaces: Testing Proofs by Examples*", Neutrosophic Systems with Applications, 17, 59-67. <https://doi.org/10.61356/j.nswa.2024.17247>.

12. **Subasree R**, Basari Kodi K, Saeid Jafari, G. Nordo (Sep 2024), "*A Note on Generalized Heptagonal Neutrosophic Sets*", Neutrosophic Sets and Systems, Vol 73, Pg 21-28. DOI: 10.5281/zenodo.13989116
13. **Subasree R**, Basari Kodi K, Saeid Jafari, Subramanian K (Sep 2024) "*Heptagonal Neutrosophic Quotient Mappings*", Neutrosophic Sets and Systems, Vol 73, 35-44, DOI: 10.5281/zenodo.13989120.
14. **Subasree R**, Basari Kodi K, Jafari, S, Subramanian K, Poornima R, Varalakshmi, A (June 2025), "*Neutrosophic sober open sets: An overview*", Uncertainty Discourse and Applications, 2(2),139-145. <https://doi.org/10.48313/uda.vi.65>.
15. **Subasree R**, Basari Kodi K, G. Nordo, Subramanian K, Nagamani N(Jan 2026) "*Role of clans in the proximities of Neutrosophic sets*" in Neutrosophic Sets and Systems, Vol 98, Pg 93-104. DOI 10.5281/zenodo.18112367.

4.2 a) CONFERENCE PRESENTATION: 8

1. **Subasree R**, Basari Kodi K, "*On $b\omega$ - Closed sets in Intuitionistic Fuzzy Topological Spaces*" in Proceedings of International Web Conference on Smart Engineering Technologies – 2020 (IWCSET'20), organized by RIT on 26-27, June 2020.
2. Jackson S, Gnanapoo Denosha T and **Subasree R**, "*On Fuzzy JD-Open sets in Fuzzy Topological Spaces*" in Proceedings of National Web Conference on Challenges and Innovation in Engineering and Technology-2021 (NWCCIET'21), organized by RIT on 26-27, 19-20, March 2021.
3. **Subasree R**, "*On Generalized $b\omega$ -Closed Sets in Ideal Topological Spaces*", Proceedings of Virtual International Conference on Multidisciplinary Research-2022 [VICMR-2022], May 2022, pp. 526-537.
4. **Subasree R**, Vigneshwaran A.E, "*On $N\beta^*$ -Irresolute mappings in Neutrosophic Topological spaces*" in International Conference on Sustainable Technology in Civil Engineering and Applied Sciences, (ICSTCA'23), organized by RIT on 24 – 25 March 2023.
5. **Subasree R**, "*Heptagonal Neutrosophic Quotient Mappings*" in the National Conference on Mathematical Modelling and Computation (NCMMC-24), organized by PSGR Krishnammal college for Women, Coimbatore on 14th and 15th March 2024.
6. **Subasree R**, BasariKodi K, Subramanian K, "*A Note on Generalized Heptagonal Neutrosophic Set*" in the International Conference on Mathematical Challenges and Novel Applications (ICOMACNA-24), organized by ANJAC, RIT and SFRC on 21st and 22nd March 2024.

7. **R. Subasree**, K. Basari Kodi, Saeid Jafari, K. Subramanian, "*Neutrosophic Sober Open sets; An Overview*" in the First International Society of Fuzzy Sets Extensions and Applications conference (ISFSEA 2025) held from 5-6 May 2025.
8. **R. Subasree**, "*On the operator Δ over Neutrosophic sets*" the International Conference on Mathematics and its Applications in Artificial Intelligence and Modelling (ICMAAIM) organised by the Department of Mathematics, Salesian College (Autonomous), Siliguri held on 28-30 May 2026.

b) CONFERENCE PUBLICATION: 3

1. **Subasree R**, published a paper entitled, "*On Generalized $b\omega$ -Closed Sets In Ideal Topological Spaces*" in Proceedings of Virtual International Conference on Multidisciplinary Research-2022 [VICMR-2022], Pg 526 to 537, **ISBN: 978-93-94198-04-3**, organized by Association of Global Academicians and Researchers (AGAR) and Association of Indian Biologists (AIB), Tamil Nadu, India, on 01.05.2022.
2. S. Jackson, T. Gnanapoo Denosha, **R. Subasree**, published a paper entitled, "*On Fuzzy JD open sets in Fuzzy Topological Spaces*", in Proceedings of "National Web Conference on Challenges and Innovation in Engineering and Technonology", Pg 208 to 212, **ISBN:978-93-5445-212-3**, organized by RIT, Rajapalayam, from 19.03.2021 to 20.03.2021.
3. Mohsin Shaikh, R. Purushothaman, Sanjeedah Khatoon, **R. Subasree**, Hans Raj, SelviaArokiya Mary Amalanathan, published a paper entitled, "*Deep Learning-Based Learning Path Recommendation System for Personalized Education*", IEEE proceedings of Tenth International conference on Science, Technology, Engineering and Mathematics (ICONSTEM 2025), Chennai, 2025, Pg 1-6, **ISBN: 979-8-3315-6187-1**. DOI:10.1109/ICONSTEM65670.2025.11374297.

4.3 a) Book publications: 6

S.No	Name of the Book	Authors	Publisher	ISBN Number
1.	Matrices and Calculus	Dr. K. Basari Kodi Dr. T. Manimaran Mr. K. Subramanian Dr. R. Subasree Dr. G. Selvaraj	Pearson	978-81-198-4774-7
2.	Statistics and Numerical Methods	Dr. K. Basari Kodi Dr. L. Sathikala Dr. T. Manimaran Mr. K. Subramanian Dr. R. Subasree Dr. G. Selvaraj	V.R.B Publishers Pvt. Ltd	978-93-95018-56-2

3.	Discrete Mathematics	Dr. K. Basari Kodi Dr. L. Sathikala Dr. T. Manimaran Mr. K. Subramanian Dr. R. Subasree Mr. T. Selvaganesh	Vishnu Prints Media	978-81-19432-48-6
4.	Statistics and Numerical Methods	Dr. K. Basari Kodi Dr. L. Sathikala Dr. T. Manimaran Mr. K. Subramanian Dr. R. Subasree Dr. G. Selvaraj	Pearson	978-93-615-9771-8
5.	Matrices and Calculus (Second Edition)	Dr. K. Basari Kodi Dr. T. Manimaran Mr. K. Subramanian Dr. R. Subasree Dr. G. Selvaraj	Pearson	978-93-615-9123-5
6.	Applied Calculus	Dr. K. Basari Kodi Dr. T. Manimaran Mr. K. Subramanian Dr. R. Subasree Dr. G. Selvaraj	Pearson	978-93-713-6473-7

4.3 b) Book chapter publications: 2

1. Dr. R. Venugopal, Dr. S. Priyadharsini, E. Kungumaraj, **Dr. R. Subasree**, published a book chapter on the topic, "Investigation of Simple Telegraph equations via Analytical Methods" in the book "*Mathematics Beyond Frontiers: Recent Developments and Interdisciplinary Connections*" (ISBN: 978-81-984818-3-2) published on April 2025. The book's DOI is (<https://doi.org/10.5281/zenodo.15226958>).
2. Dr. R. Subasree, published a book chapter on "Digital Accounting and Smart Finance: RPA, AI, and Cloud Technologies Reshaping Corporate Reporting" the book *Navigating Commerce and Management on Digital Business and Technology* (ISBN: 978-81-993599-4-9), pg 37-42, published on 14.11.2025.

5 Funded Projects: Nil

S.No.	Title of the project	Funding Agency	Duration	Amount	Status
-	-	-	-	-	-

6 Ph.D. guidance

Sl.No	Scholar name	University	Topic	Status
-	-	-	-	-

7 Short term Courses / Seminars /FDP/Workshop/Conference Attended: 18

Sl.No	Title of the event	Organized by	Date	
			From	To
1	AUFDP On Transforms and Partial Differential Equations	Department of Mathematics, Ramco Institute of Technology	12.06.2017	18.06.2017
2	Two Days Workshop on Linear Algebra	Department of Mathematics, Ramco Institute of Technology	27.06.2018	28.06.2018
3	A Two day Workshop on Writing Research papers, Citation analysis, Plagiarism, Getting Patent & Copyright (PCPPC – 2018)	Department of Library, Ramco Institute of Technology	29.06.2018	30.06.2018
4	Course on “MATLAB onramp”	Department of EEE, Ramco Institute of Technology	22.11.2018	22.11.2018
5	Five days Online FDP on “Exposure to Latex and Scilab”	DKM college for Women, Vellore	30.04.2020	04.05.2020
6	FDP on “Real Life applications of Fuzzy Mathematics”	St. Peter’s Institute of Higher Education and Research, Chennai-54	22.05.2020	22.05.2020
7	Two day Online FDP on “MA8551 Algebra and Number Theory”	RIT, Rajapalayam	26.05.2020	27.05.2020

8	3-Day National Level Workshop on "MATLAB for Beginners"	SrimadAndavan Arts and Science College, Trichy	28.07.2021	30.07.2021
9	Online Six-Day FDTP on "MA8351- Discrete Mathematics"	Ramco Institute of Technology, Rajapalayam	28.06.2021	03.07.2021
10	Six Days International Virtual FDP on "Recent Research Advances in Mathematics"	St. Joseph's College of Arts & Science, Chennai	04.10.2021	09.10.2021
11	UGC-AICTE Incorporating Universal Human Values in Education	AICTE	11.07.2022	15.07.2022
12	Five day online FDP on "Applications of Mathematics in Applied Sciences and Engineering"	GMR Institute of Technology-Rajam & NIT-Warangal	30.01.2023	03.02.2023
13	Five Day Online Faculty Development Program on Recent Advances in Mathematics	Sri Manakula Vinayagar Engineering College, Puducherry	04.09.2023	08. 09. 2023
14	7 days Professional enrichment programme for faculties on, "Strategic Management Practices for NAAC Accreditation"	Dhanraj Baid Jain College, Chennai	12.02.2024	21.02.2024
15	FDP on Algebra, Analysis, and Number Theory	SRM University, Andhra Pradesh	16.12.2024	20.12.2024
16	FDP on Recent Development in Pure and Applied Mathematics	IIST, Indore	23.12.2024	28.12.2024

17	Professional Development Programme on Educational Video Production	NITTTR, Chennai & RIT	16.07.2025	21.07.2025
18	One day workshop on “Line Graphs, Graph Transformations and Their Two-Way Interaction with AI”	RIT, ANJAC, VVV and Rajus’	25.02.2026	25.02.2026

8. Short term Courses / Seminars /FDP/Workshop/Conference organized:

Sl.No	Title of the event	Organized by	Date	
			From	To
1.	International Conference on Mathematical Challenges and Novel Applications, ICOMACNA'24	RIT, ANJAC, SFR	21.03.2024	23.03.2024
2.	One-day workshop on “Line Graphs, Graph Transformations and Their Two-Way Interaction with AI”	RIT, ANJAC, VVV and Rajus’	25.02.2026	25.02.2026

9. Online Courses: 27

S.No	Course Title	University	Date
1.	Introduction to Complex Analysis	Wesleyan University	15.06.2017
2.	Calculus1A: Differentiation	Massachusetts Institute of Technology, USA.	13.09.2017
3.	Differential Equations 2x2 systems	Massachusetts Institute of Technology, USA.	16.12.2017
4.	Calculus 1B: Integration	Massachusetts Institute of Technology, USA.	08.03.2018
5.	Matlab Onramp	MathWorks	22.11.2018

6.	Differential Equations: Fourier Series and Partial Differential Equations	Massachusetts Institute of Technology, USA.	20.12.2018
7.	Calculus 1C: Coordinate Systems and Infinite Series	Massachusetts Institute of Technology, USA	11.05.2019
8.	Introduction to Graph Theory	University of California San Deigo, National Research University Higher School of Economics	23.12.2019
9.	Mathematics for Machine Learning: Multivariate Calculus	Imperial College London	12.05.2020
10.	Mathematics for machine learning : Linear Algebra	Imperial College London	13.05.2020
11.	Differential Equations for Engineers	The Hongkong university of Science and Technology	19.06.2020
12.	Vector Calculus for Engineers	The Hong Kong University of Science and Technology	04.07.2020
13.	Introduction to Differential Equations	MIT	16.09.2020
14.	Operations Research: an Active Learning Approach	The Hong Kong Polytechnic University	01.09.2020
15.	Transfer functions and the Laplace Transform	MIT	26.08.2020
16.	Probability - The Science of Uncertainty and Data	MIT	24.12.2020
17.	Introduction to Programming with MATLAB	Vanderbilt University	13.09.2021

18.	Introduction to Statistical Methods with MATLAB	MathWorks Training Services	23.06.2022
19.	Optimization Onramp	MathWorks Training Services	30.12.2022
20.	Introduction to Statistics	Stanford University	18.05.2023
21.	Data Science Math skills	Duke University	31.01.2024
22.	Statistics 1 Part 1: Introductory statistics, probability and estimation	The London school of Economics and Political science	31.12.2025
23.	Numerical Methods for Engineers	The Hong Kong University of Science and Technology	08.01.2025
24.	Discrete Mathematics	Shanghai Jiao Tong University	14.05.2025
25.	Mathematical Biostatistics Boot camp I	Johns Hopkins University	04.06.2025
26.	Introduction to Logic	Stanford University	04.07.2025
27.	Introduction to Calculus	The University of Sydney	18.05.2026

10. Patents filed/awarded: Nil

11. Membership in Professional societies:

- Active member of the International society of Fuzzy Set Extensions and Applications (ISFSEA)

12. Awards, Recognition & Achievements:

Any others (Board of studies/Governing Council/Staff Selection/ Reviewer/other duties)

- Produced 100% result in MA6151 for the academic year 2016-2017 (I ECE–A).
- Received Best class advisor award for the academic year 2019-2020 (I ECE–B).
- Acted as Internal Review Committee Member for paper selection in the International Conference on Smart Technologies and Applications (ICSTA -2022) held on 11.03.2022.
- Produced 100% result in MA3151 for the academic year 2024-2025 (I IT).

Other duties

- Internal BoS member (2026)
- ISO internal Auditor (2024)
- Department Meeting Minutes incharge (2017-2022)
- Special class circular incharge (2017-2022)
- Faculty coordinator for college Academic Prizes (2019 onwards)
- Coordinating NBA Criteria 8 (8.4) (2019 onwards)
- Coordinator for Tamil Mandram club (2020 onwards)
- Admission in charge for Thoothukudi District (2020 onwards)
- Department RC Coordinator (2022 onwards)
- Domain coordinator for MA3354/Discrete Mathematics (2022-23)
- Domain coordinator for MA3151/Matrices and Calculus (2023-24)
- Domain coordinator for MA3391/Probability and Statistics (2024-25)
- Mentor