

Name : Dr. G. KANNAN
 Designation : Assistant Professor
 Department : Mathematics
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Google Scholar link: <https://scholar.google.com/citations?user=pv4vIUQAAAAJ&hl=en&authuser=1>.

Scopus Id: <https://www.scopus.com/authid/detail.uri?authorId=57220366484>.

Anna University Research Supervisor Id: **4370004**

1. Educational Qualification

Degree	Branch / Specialization	Institute/University	Year of Passing
B. Sc	Mathematics	VHNSN College, Virudhunagar, Madurai Kamaraj University	2011
M. Sc	Mathematics	VHNSN College, Virudhunagar, Madurai Kamaraj University	2014
M. Phil	Mathematics	VHNSN College, Virudhunagar, Madurai Kamaraj University	2015
Ph. D	Mathematics	Kalasalingam Academy of Research and Education, Krishnankoil.	2022

2. Professional/ Industry Experience

: (in chronological order)

S.No	Designation	Institution/ Organization	Period	
			From	To
1	Assistant Professor	V.P.M.M Arts and Science College for Women	01.06.2015	31.05.2018
2	Assistant Professor	SCAD College of Engineering and Technology	01.06.2021	30.06.2023
3	Assistant Professor	Ramco Institute of Technology, Rajapalayam	03.08.2023	Till date

Updated as on 08.06.2026

3. Research Interest: Statistical Quality Control - Acceptance Sampling, Fuzzy set Theory

4 Publications

SCI JOURNAL PUBLICATIONS

1. Kannan, G., Jeyadurga, P. and Balamurali, S. (2021). Economic design of repetitive group sampling plan based on truncated life test under exponentiated half logistic distribution. *Quality Engineering*, 33(2): 335-347.
2. Kannan, G., Jeyadurga, P. and Balamurali, S. (2021). Determination of multiple deferred state repetitive group sampling plan for life time assurance under Birnbaum-Saunders distribution. *Journal of Statistical Computation and Simulation*, 92(1), 145 – 158.
3. Kannan, G., Jeyadurga, P. and Balamurali, S. (2022). Economic design of repetitive group sampling plan based on truncated life test under Birnbaum-Saunders distribution. *Communications in Statistics-Simulation and Computation*, 51(12): 7334-73350.
4. Kannan, G., Jeyadurga, P. and Balamurali, S. (2022). Economic design of multiple deferred (dependent) state repetitive group sampling plan based on truncated life test under exponentiated half logistic distribution. *Sequential Analysis-Design Methods and Applications*, 41(1), 20-34.
5. G. Kannan, P. Jeyadurga, S. Sridevi and S. Balamurali. (2026) Economic design of generalized multiple dependent state sampling plan under transmuted Weibull distribution. *Sequential Analysis-Design Methods and Applications*, pp. 1 – 23. (online published).
6. S Muthukumar, J Ebenesar Anna Bagyam, G Kannan, S Sridevi, and S Balamurali. (2026) Strategic analysis of M/M/1 queueing model with optional working vacations and customer decision-making. *Journal of Statistical Computation and Simulation*, pp. 1 – 28. (online published).

SCOPUS JOURNAL PUBLICATIONS

1. Kannan, G., Jeyadurga, P. and Balamurali, S. (2024). Economic design of generalized multiple dependent state sampling plan under exponentiated half logistic distribution., *American Journal of Mathematical and Management Sciences*, 43(2), 141-162.
2. S. Swathi Sundari, G. Kannan, S. Balamurali, K. Lakshmanan and G. Selvaraj. (2026) Designing of single acceptance sampling plan based on time truncated life test under new Weibull-Pareto distribution, *International Journal of Mathematics in Operational Research*, 33(4), 489 – 500.

INTERNATIONAL JOURNALS

- 1 Kannan, G. and Balamurali, S. (2019). Designing of repetitive group sampling plan under the inverse Gaussian distribution. *International Journal of Engineering and Advanced and Technology*, 9(1S4): 987-991.

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7. Book/Book chapter publications**8. Funded Projects**

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

9. Ph.D. guidance

Sl.No	Scholar name	University	Topic	Status
1.	Ms. Vijayalakshmi J	Anna university, Chennai	Optimization of Special Purpose sampling Plans Based on Attributes and variables Under Different Lifetime Models with Type - I / Type II Censoring Schemes	Pursuing

10. Short term Courses / Seminars /FDP/Workshop/ConferenceAttended:

Sl.No	Title of the event	Organized by

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

Sl.No	Title of the event	Organized by	Date	
			From	To
2.	Faculty awareness program on Research Methodology	Rajgad Dnyanpeet's Shri Chhatrapati Shivajiraje College of Engineering	20.05.2020	25. 05. 2020
3.	Novelty in Trending Engineering Mathematics 2020	KARE	06.06.2020	12. 06. 2020
4.	Recent Advances in Applied Mathematics	Sri Manakula Vinayagar Engineering College	04. 09. 2023	08.09.2023
5.	Recent Trends in Mathematics and Technology	Op –Jindal university	09. 10. 2023	13. 10. 2023
6.	3 rd Mathematical Sciences for CSIR_UGC Net Aspirants	Vellore Institute of Technology	17. 10. 2023	21. 10. 2023
7.	Unveiling Emerging Research Trends in Mathematics	SRM Madurai College for Engineering and	20. 08. 24	21. 08. 2024

		Technology		
8.	Faculty of Humanities and Sciences Department of Mathematics – online seminar	Ramco Institute of Technology	10. 12. 2024	
9.	One week national level FDP on Recent Development in Pure and Applied Mathematics	Department of Engineering Sciences and Humanities, IIST, Indore in association with Indian Mathematical Society	23. 12. 2024	28. 12. 2024

12. Online Courses

S. No	Course title	University	Date
1.	Foundation of R Software	NPTEL – Indian institute of Technology - Kanpur	July – Oct – 2023
2.	Google - Data Analysis with R Programming	Coursera	May 2024
3.	Numerical Methods for Engineers	Coursera	Jan - 2025
4.	Essentials of Data Science With R Software-1: Probability and Statistical Inference	NPTEL – Indian institute of Technology - Kanpur	Jan – Apr 2025
5.	Introduction to Abstract and Linear Algebra	NPTEL – Indian institute of Technology - Kharagpur	Jul – Sep – 2025
6.	Basic Linear Algebra	NPTEL – Indian institute of Technology – Bombay	Jan – Mar - 2026

13. Patents filed:

- Title:** Innovative Implementation of Automation Approach in Intuitionistic Fuzzy Rough Set Theory to Diagnose High Risk Health Disorders Membership in Professional societies ISTE Member.
The Patent Office Journal No: 08/2023, **Date:** 24/02/2023 & **Application No:** 202341009607
- Title:** Knowledge Based Python Algorithm Model to Provide a General Framework for Constructing Pentapartitioned Fuzzy and Neutrosophic Closed Sets with its Extension in Topological Space along with an Unconventional Approach Towards Machine Learning Enhancements.

The Patent Office Journal No: 50/2023, Date: 15/12/2023 & Application No: 202341073238

3. **Title:** NOVEL ALGORITHM FOR RAPID PRIME NUMBER FACTORIZATION USING QUANTUM COMPUTING

The Patent Office Journal No: 51/2023, Date: 22/12/2023 & Application No: 202341080268

4. **Title:** COMBINING BLOCKCHAIN AND AI TECHNOLOGIES FOR SECURE AND TRANSPARENT SUPPLY CHAIN MANAGEMENT SOLUTIONS

The Patent Office Journal No: 06/2025, Date: 07/02/2025 & Application No: 202521001908A

14. Awards, Recognition & Achievements : Nil

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

1. Chair Person for International Conference on Mathematical Challenges and Novel Applications to be held in Department of Mathematics, Ayya Nadar Janaki Ammal College, Sivakasi from 21st March to 22nd March, 2024.
2. I am Acted as reviewer in the journal of International Multidisciplinary Innovative Research Journal (IMIRJ)
3. Delivered a guest lecture for the Department of Science and Humanities, SCAD College of Engineering and Technology, Cheranmahadevi, on the topic "Limits and Continuity in Differential Calculus."
4. I am Acted as reviewer in the International Journal of Mathematics in Operational Research (IJMOR)