



**Dr. N. ANBAZHAGAN**  
**Professor and Head**

### Contact

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**Academic Qualifications: M.Sc., M.Phil., Ph.D.**

**Teaching Experience: 15 Years**

**Research Experience: 15Years**

### Additional Responsibilities

1. Head, Department of Mathematics.
2. Chairperson, School of Mathematics.
3. Coordinator, UGC-SAP(DRS-I).

### Areas of Research

**Stochastic Inventory Modelling and Datamining**

## Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	07	03
	M.Phil.	44	03
Project	PG	50	10

## Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
47	06	02	-	Edited Book - 01 Book Chapters - 04

Cumulative Impact Factor (as per JCR) :	7.443
h-index :	10
i10 index :	12
Total Citations :	324

## Funded Research Projects

### Completed Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	DST, New Delhi.	2005	2008	A Replacement and Substitutable Inventory Systems	3.77
2	NBHM, Mumbai.	2012	2015	Modelling and Analysis of Stochastic Retrial Inventory System	9.73

### Ongoing Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	UGC	2015	2017	Analysis of Stochastic Inventory System with Server vacation	32

## Distinctive Achievements / Awards

1. **Research Award (2015-17)** from University Grants Commission (UGC), New Delhi, INDIA.
2. Shri P. K. Das Memorial **Best Faculty Award - Senior (2013)** from Nehru Group of Institutions, Coimbatore, INDIA.
3. **Career Award for Young Teachers (2005)** from All India Council for Technical Education (AICTE), New Delhi, INDIA.
4. **Young Scientist Fellowship (2005)** from Tamilnadu State Council for Science and Technology, Chennai, INDIA.
5. **Young Scientist Award (2004)** from Department of Science and Technology (DST), New Delhi, INDIA.
6. **Project Fellow (1999)**, UGC funded Major Research Project entitled "Study of Coordinated Multi Commodity Inventory System" UGC-CSIR, New Delhi, INDIA: from 11th October 1999 to 25th September 2001.
7. **University Stipendiary Research Fellow (1997)** Madurai Kamaraj University, Madurai, Tamilnadu, INDIA : 27<sup>th</sup> March 1997 to 08<sup>th</sup> October 1999.

## Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: **09**

### International:

1. International Workshop on Data Analysis Using SPSS(IWDAUS-2016), at Department of Mathematics, Alagappa University, Karaikudi, held during December 15-19, 2016.
2. International Workshop on Matrix Analytic Methods in Stochastic Models (IWMAM-2013) at Department of Mathematics, Alagappa University, Karaikudi, held during January 07-09, 2013.
3. International Conference on Stochastic Modeling(ICSM09), at Department of Mathematics, Alagappa University, Karaikudi, during February 12-14, 2009.

### National:

1. National Conference on Pure and Applied Mathematics(NCPAM16), at Department of Mathematics, Alagappa University, Karaikudi, held during March 30-31, 2016.

2. National Conference on Recent Advances in Computer and Mathematical Sciences(RACMS-2014), at Department of Mathematics and Computer Science, Dr. Umayal Ramanathan College for Women, Karaikudi, held during October 17-18, 2014.
3. National Conference on Challenges in Mathematical Modelling(CMM-2011), at Department of Mathematics, Alagappa University, Karaikudi, held on December 22, 2011.
4. National Conference on Recent Trends in Mathematics and Its Applications(RTMA-2010), at Department of Mathematics, Alagappa University, Karaikudi, held on December 22, 2010.
5. National Seminar on Analysis and Number Theory (NSANT-2010), at Department of Mathematics, Alagappa University, Karaikudi, held during January 21-22, 2010.
6. Symposium on Recent Advances in Mathematical Modeling in Engineering", at Department of Mathematics, Thiagarajar College of Engineering, Madurai during September 14-15, 2007, sponsored by TNSCST, Chennai.

## Events Participated

### Conferences / Seminars / Workshops: 25

#### International level:

1. Presented a paper at the "International Conference on Industrial and Applied Mathematics 2007 (ICIAM 2007)", July 16 - 20, 2007, University of Zurich, Zurich, Switzerland.
2. Presented a paper at the "International Conference on Modeling and Simulation 2006 (MS 2006)", April 03-05, 2006, Department of Mechanical Engineering, University of Malaya, Kulalampur, Malaysia.
3. Presented a paper at the "International Symposium on Advances in Statistical Methods and Applications", Dec 21-22, 2000, Department of Statistics, University of Madras, Chennai.
4. Presented a paper at the "International Conference on Stochastic processes and Their Applications" held at Cochin University of Science and Technology, Kochi, Kerala during 17-20 Dec 1999.

#### National level:

1. Presented a paper at the National level Seminar on "Operations Research and Its Applications", January 10, 2011, Department of Mathematics, Arulmigu Palaniandavar Arts College for Women, Palani.

2. Presented a paper at the "National Conference on Web and Computer Applications", March 07, 2008, Department of Computer Applications, RVS College of Engineering and Technology, Dindigul, Tamilnadu.
3. Presented a paper at the "Instructional Workshop on Matrix Analytic Methods and Conference on Queues, Inventory, Reliability, Maintenance and Replacement", 19-22, Feb.2004, Department of Mathematics, Cochin University of Science and Technology, Kochi, Kerala.
4. Presented a paper at the UGC Sponsored National Seminar on "Recent Advances in Pure and Applied Mathematics", August 23, 2003, Department of Mathematics, Kandarswami Kandar's College, Velur -638 182.
5. Presented a paper at the "National Conference on Mathematical and Computational Models, Dec 27-28, 2001, Department of Mathematics and Computer Applications, PSG College of Technology, Coimbatore.
6. Presented a paper at the "Seminar on Applications of Mathematics and Statistics", March 15-16, 2001, Department of Applied Mathematics and Statistics, School of Mathematics, Madurai Kamaraj University, Madurai - 21.
7. Presented a paper in the "National Conference on Statistical Modeling", November 25-27, 1999, Department of Statistics, Shivaji University, Kolhapur.
8. Presented a paper at UGC Sponsored "National Conference on Statistics", March 18-20, 1999, St. Thomas College at Pala, Kerala.
9. Participated in the XVIII Ramanujan Symposium on "Recent Trends in Dynamical Systems and Mathematical Modelling", held during September 25-27, 2013, Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chennai.
10. Participated in the "Seminar on Recent Trends in Graph Theory", held on March 5, 2004, Department of Applied Mathematics and Statistics, School of Mathematics, Madurai Kamaraj University, Madurai - 21.
11. Participated in the "Twenty second Annual Conference of the Association of Economists of Tamilnadu", Dec 15-16, 2001, Department of Economics, Arul Anandar College (Autonomous), Karumathur.
12. Participated in "One day Symposium on Mathematical Methods and Applications", 22 Dec, 1998, IIT - Madras, Chennai - 600 036.

### **Workshops:**

1. Participated in the workshop on "Data Science and Analytics", held during September 27-28, 2016, Department of Computer Science, Alagappa University, Karaikudi.
2. Participated in the workshop on "R with Application to Quantitative Finance", held during August 26-28, 2016, Department of Mathematics, Birla Institute of Technology Pilani, K.K. Birla Campus, Goa.
3. Participated in the One day "User Awareness Programme on Accessing of Electronic Resources under UGC-INFONET Digital Library Consortium", held on July 25, 2014, Central Library, Alagappa University, Karaikudi.

4. Participated in the One day Workshop on "Financial Mathematics", held on March 27, 2013, School of Mathematics, Madurai Kamaraj University, Madurai - 21.
5. Participated in the One day Workshop on "Data Analysis Using SPSS", held on August 30, 2013, School of Mathematics, Madurai Kamaraj University, Madurai - 21.
6. Participated in the Two days National Workshop on "Recent Trends in Enterprise Information Systems", during April 27-28, 2006, Department of Computer Science and Engineering, Thiagarajar College of Engineering, Madurai.
7. Participated in the "National Instructional Workshop on Recent Trends and New Directions of Research in Cybernetics and Systems Theory", held from 28th January to 1st February, 2004, Institute of Advanced Study in Science and Technology, Khanapara, Guwahati - 781 022, Assam, India, sponsored by Department of Science and Technology (DST), New Delhi.
8. Participated in the "Workshop on Applications of Mathematics in Engineering and Technology" held on 6th September, 2002, PSNA Engineering College, Dindigul.
9. Participated in the "Institutional and Instructional Workshop on Actuarial Mathematics", during March 18-23, 2002, Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chennai, sponsored by UGC-Special Assistance Programme.

## **Other Training Programs**

### **Summer Schools:**

1. Participated in the Winter School on "Modeling, Computing and Simulation in Engineering", during January 4-5, 2007, Department of Mathematics, IIT Madras, Chennai.
2. Participated in the "Second SERC School on Special functions and Functions of Matrix Argument", held from 29 th May, 2000 to 30th June 2000, Centre for Mathematical Sciences (CMS), Trivandrum-695 581, Kerala, Sponsored by Department of Science and Technology (DST).

### **Refresher Courses:**

1. Participated in IAS sponsored "Refresher course in Probability, Stochastic Processes and Applications" held at Cochin University of Science and Technology, Kochi, during September 26 - October 07, 2005.
2. Participated in UGC sponsored "Refresher course in Statistics" held at Annamalai University, Annamalai Nagar during 03 - 23 November, 2003.

## **Overseas Exposure / Visits**

1. Switzerland (2007)
2. Germany (2006)
3. Malaysia (2006)

## Membership in

### Professional Bodies

1. Life Member: Indian Society for Probability and Statistics, India. (LM/2013/48/1040)
2. Life Member: Forum for Advanced Training Education and Research, FATER Academy of India, India.
3. Life Member: The Indian Science Congress Association, Kolkata, India. (L 14554)
4. Life Member: Indian Society of Technical Education, New Delhi, India. (LM 41851)
5. International Association of Engineers (IAENG), Hong Kong (Member No: 108515).

### Editorial Board

1. Editorial Board member: Cogent Business & Management.
2. Editorial Board member: American Journal of Mathematics and Statistics.
3. Chief Editor: Special Issue of Mathematical Modeling and Applied Computing, Vol.2(2), 2011.
4. Reviewer: Edited book "Enterprise Information Systems and Implementing IT Infrastructures: Challenges and Issues", IGI Global, USA, 2010.
5. Reviewer:
  - (a) African Journal of Business Management.
  - (b) American Journal of Mathematics and Statistics
  - (c) Applications and Applied Mathematics, An International Journal.
  - (d) Global Journal of Science Frontier Research(F).
  - (e) International Journal of System Sciences.
  - (f) Neural Computing and Applications.
  - (g) Simulation Modeling and Practice.

### Academic Bodies

1. Member of the Board of Studies for the Department of Mathematics, University of Kerala, Kariavattom, Thiruvananthapuram for a period of two years (2016-18).
2. Member of the Board of Studies in Mathematics of Karpagam Academy of Higher Education, Coimbatore for a period of two years (2016-2018).
3. University nominee of the Board of Studies for Department of Mathematics, Thassim Beevi Abdul Kader College for Women, for a period of two years (2015-2017).
4. Chairman of the Board of Studies in Mathematics of Directorate of Distance Education, Alagappa University for a period of three years (2015-2018).
5. Member of the Board of Studies for the Department of Mathematics, Sethu Institute of Technology, Kariapatti for a period of three years (2015-2018).
6. Member of the Board of Studies in M.Sc and M.Phil Mathematics of Department of Mathematics, Alagappa University for a period of three years (2014-2017).
7. Member of IX Academic Council of Tassim Beevi Abdul Kader College for Women, Kilakarai.(2013)
8. Member of the Board of Studies in M.Sc Applied Mathematics of Thiagarajar college of Engineering.(2011-14).
9. Member of the Board of Studies in M.Phil Mathematics of affiliated colleges of Alagappa University for a period of three years (2011-2014).

10. Member of the Board of Studies in M.Sc Mathematics of affiliated colleges of Alagappa University for a period of three years (2011-2014).

### Resource persons in various capacities

Number of Invited / Special Lectures delivered: **International - 08, National - 63.**

### Others

1. No. of PhD Thesis evaluated : 16
2. No. of PhD Public Viva Voce Examination conducted: 14.

### Recent Publications

1. K. Jeganathan, J. Kathiresan and N. Anbazhagan, (2015), A retrieval inventory system with priority customers and second optional service, OPSEARCH, 53(4), 808-834. (Impact factor 0.80)
2. N. Anbazhagan, Mark Goh and B. Vigneshwaran, (2015), Substitutable Inventory System with Coordinated Reorder Levels. Journal of Statistics Applications & Probability Letters, An International Journal, 2(3), 221-234. (Google-based Impact Factor: 0.139)
3. P. Prabhu and N. Anbazhagan, (2015), Performance Analysis of Back propagation Network Model for Personalized Recommender System. International Journal of Scientific and Research Publications, 5(6).
4. Arun Kumar Sangaiah, Arun Kumar Thangavelu, Xiao Zhi Gao, N. Anbazhagan, and M. Saleem Durai, (2015), An ANFIS approach for evaluation of team-level service climate in GSD projects using Taguchi-genetic learning algorithm. Applied Soft Computing, 30, 628-635. (Impact Factor: 2.810 and 5-Year Impact Factor: 3.222)
5. V. S. S. Yadavalli, N. Anbazhagan and K. Jeganathan, (2015), A retrieval inventory system with impatient customers. International Journal of Applied Mathematics and Information Sciences, 9(2), 1-14. (2013 ISI Impact Factor: 1.232).
6. K. Jeganathan, B. Vigneshwaran and N. Anbazhagan, (2015), Perishable Inventory System with Server Interruptions, Multiple Server Vacations and N Policy. International Journal of Operations Research and Information Systems (IJORIS), 6(2), 32-52.
7. P. Prabhu and N. Anbazhagan, (2015), A Novel Fuzzy-Neuro Model for Personalized Recommender System. International Journal of Advanced Research Trends in Engineering and Technology (IJARTET), Vol. II, Special Issue XVIII.
8. V.S.S. Yadavalli, N. Anbazhagan, and K. Jeganathan, (2015), A two heterogeneous servers perishable inventory system of a finite population with one unreliable server and repeated attempts. Pakistan Journal of Statistics (PJS), 31(1), 135-158. (Impact factor: 0.336(2013))
9. J. Kathiresan, N. Anbazhagan and K. Jeganathan, (2014), An Inventory System with Retrieval Demands and Working Vacation. International Journal of Scientific and Research Publications, 4(12), 1-25.



10. P. Prabhu and N. Anbazhagan, (2014), A New Hybrid Algorithm for Business Intelligence Recommender System. International Journal of Network Security & Its Applications (IJNSA), 6(2).
11. B. Vigneshwaran, N. Anbazhagan and V. Perumal, (2014), Two-Commodity Continuous Review Substitutable Inventory System with N Policy. European Journal of Scientific Research, 118(4), 583-599.
12. N. Anbazhagan, B. Vigneshwaran and K. Jeganathan, (2014), Stochastic Inventory System with Two Types of Services. International Journal of Advances in Applied Mathematics and Mechanics, Vol. 2(1), pp.120-127.