



Dr. N. ANBAZHAGAN

Professor and Head

Contact

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Academic Qualifications

| Degree | Institution | Year | Branch | Class |
|----------------|---|-------------|--------------------|----------------|
| Ph.D. | Madurai Kamaraj University, Madurai. | 2002 | Mathematics | Awarded |
| M.Phil. | Madurai Kamaraj University, Madurai. | 1996 | Mathematics | I |
| M.Sc. | CPA College, Bodinayakanur. | 1995 | Mathematics | I |
| PGDCA | ICC and CE of Madurai Kamaraj University, Madurai. | 1996 | Mathematics | II |

Teaching Experience: 22 years

| Position | Institution | Duration | |
|---------------------|--|------------|------------|
| | | From | To |
| Professor | Alagappa University, Karaikudi. | 09.03.2013 | Till date |
| Associate Professor | Alagappa University, Karaikudi. | 09.03.2010 | 08.03.2013 |
| Reader | Alagappa University, Karaikudi. | 09.03.2007 | 08.03.2010 |
| Lecturer | Thiagarajar College of Engineering, Madurai | 26.09.2001 | 08.03.2007 |

PDF/ Visiting Professor : Abroad

| Position | Institution | Duration | |
|--------------|-----------------------------------|------------|------------|
| | | From | To |
| Collaborator | University of Kiel, Kiel, Germany | 08.06.2006 | 18.06.2006 |

Research Experience: 22 years

| Position | Institution | Duration | |
|---------------------|---|------------|------------|
| | | From | To |
| Professor | Alagappa University, Karaikudi. | 09.03.2013 | Till date |
| Associate Professor | Alagappa University, Karaikudi. | 09.03.2010 | 08.03.2013 |
| Reader | Alagappa University, Karaikudi. | 09.03.2007 | 08.03.2010 |
| Lecturer | Thiagarajar College of Engineering, Madurai | 26.09.2001 | 08.03.2007 |

Academic and Additional Responsibilities

| S.No. | Position | University Bodies | Period | |
|-------|-------------------------------|---|-----------------|---------------|
| | | | From | To |
| 1. | Head | Department of Mathematics | June 05, 2015 | Till date |
| 2. | Chairperson | School of Mathematics | June 22, 2015 | Till date |
| 3. | Special Officer (projects) | Alagappa University | March 18, 2022 | Till date |
| 4. | Member | Senate, Alagappa University | June 05, 2015 | Till date |
| 5. | Member | Standing Committee on Academic Affairs | June 05, 2015 | Till date |
| 6. | Coordinator | University Business Collaboration Centre | August 07, 2019 | Nov. 04, 2022 |
| 7. | Coordinator | UGC-SAP(DRS-I) | 2016 | 2021 |
| 8. | Coordinator | DST-FIST(Level-I) | 2021 | 2026 |
| 9. | Theme Coordinator | RUSA 2.0 | 2018 | Till date |

Areas of Research

- Stochastic Inventory Modelling
- Graph theory
- Data mining

Research Supervision/Guidance

| Program of Study | | Completed | Ongoing |
|------------------|---------|-----------|---------|
| Research | PDF | 01 | -- |
| | Ph.D. | 12 | 04 |
| | M.Phil. | 50 | 01 |
| Project | PG | 93 | 10 |

Publications

| International | | National | | Others |
|---------------|-------------|----------|-------------|--|
| Journals | Conferences | Journals | Conferences | Books/Chapters/Monographs/Manuals |
| 110 | 09 | 02 | -- | Edited Book – 02 Book Chapters - 04 |

Cumulative Impact Factor(as per JCR) : 55.882

h-index : 19

i10 index : 34

Total Citations : 1122

Ph.D. Thesis Guided

- No. of Ph.D. Thesis evaluated : 12
- No. of Ph.D. Public Viva Voce Examination conducted : 12

| S.No | Name of the Scholar | Title of the Thesis | Year of Completion |
|------|---------------------|---|--------------------|
| 1 | Sivakumar Pathuri | Feature-Based Sentimental Analysis Using Machine Learning Techniques. | 2024 |
| 2 | Suganya, R. | A Continuous Review Stochastic Inventory | 2023 |

| | | | |
|-----------|-------------------------|---|-------------|
| | | Sytem With Markovian Arrival Process | |
| 3 | Vinitha, V | Analysis of M/M/1 type Queueing-Inventory Systems | 2023 |
| 4 | Ravi, M. | An Efficient Approach to Cloud Computing | 2021 |
| 5 | Gandhimathi D | An Efficient Frequent Webpage Patterns Mining Frame work | 2019 |
| 6 | Kathiresan J | A Study on Stochastic Retrial Inventory System | 2015 |
| 7 | Jeganathan K | A Study on Continuous Review Retrial Inventory System | 2013 |
| 8 | Prabhu P | Knowledge Based Collaborative Filtering Models for Recommended Systems | 2016 |
| 9 | Ramalingam D | Governanace, Risk Management and Complainece Equilibrium Model for Optimizing Enterprise Information Security. | 2016 |
| 10 | Kumaresan V | Modelling and Analysis of Stochastic Inventory System | 2012 |
| 11 | Gomathi, D. | A Study of Stochastic Models in Inventory and Queueing System | 2012 |
| 12 | Vigneshwaran, B. | A Continuous Review Stochastic Inventory System | 2015 |

Funded Research Projects

Completed Projects:

| S.No | Agency | Period | | ProjectTitle | Budget (Rs.In lakhs) |
|-----------|------------------------|-------------|-------------|--|-------------------------|
| | | From | To | | |
| 1. | UGC, New Delhi | 2014 | 2016 | Analysis of Stochastic Inventory System with Server Vacation | 33.00 |
| 2. | NBHM, Mumbai. | 2012 | 2015 | Modelling and Analysis of Stochastic Retrial Inventory System | 9.73 |
| 3. | DST, New Delhi. | 2005 | 2008 | A Replacement and Substitutable Inventory Systems | 3.77 |

Distinctive Achievements / Awards

1. **Indo-Asian Bertrand Russel Distinguished Researcher Award (2022)** received from the International Multidisciplinary Research Foundation on the eve of International Conference at Vietnam, held on 15.12.2022.
2. **Kalvi Sudar Award (2022)** received from Sivaganga District Kavanaga kalai mandram in the "World Teachers Day function" held on 05.10.2022, Sathguru Gnanantha Arangam, Karaikudi.
3. **Best Paper Presentation Award (2019)** in the International Conference on Mathematical Engineering Applications for Sustainable Development", held during August 16-18, 2019, University of Malaya, Meeting room 18-1, Wisma R&D, Kualalampur, Malaysia.
4. **Excellence Award (2018)** from Association of Inventory Academicians and Practitioners and Conferred in the First International Conference on Emerging Trends in Inventory, Supply Chain & Reliability Modeling, held during 21-23 December, 2018 at Department of Operational Research, University of Delhi.
5. **Tamilnadu Scientist Award (TANSA 2017)** from Tamilnadu State Council for Science and Technology, Chennai, INDIA.
6. **Research Award (2014)** from University Grants Commission (UGC), New Delhi, INDIA.
7. **Shri P. K. Das Memorial Best Faculty Award - Senior (2013)** from Nehru Group of Institutions, Coimbatore, INDIA.
8. **Career Award for Young Teachers (2005)** from All India Council for Technical Education (AICTE), New Delhi, INDIA.
9. **Young Scientist Fellowship (2005)** from Tamilnadu State Councilfor Science and Technology, Chennai, INDIA.
10. **Young Scientist Award (2004)** from Department of Science and Technology (DST), New Delhi, INDIA.
11. **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.
12. **University Stipendiary Research Fellow (1997)** Madurai Kamaraj University, Madurai, Tamilnadu, INDIA : 27th March 1997 to 08th October 1999.

Events organized in leading roles

Number of Seminars /Conferences /Workshops/ Events organized: 23

| Position | Programme | Duration | Institution |
|----------------------|--|------------------------|--|
| International | | | |
| Convener | International Webinar on Neoteric Applications in Mathematics | November 08-09, 2022 | Thiagarajar College, Madurai and Alagappa University, karaikudi |
| Convener | International Webinar on Applied Mathematics | April 19 - 20, 2022 | Thiagarajar College, Madurai and Alagappa University, karaikudi. |
| Convener | International Conference on Mathematical, Computational Intelligence and Engineering Approaches to Healthcare, Business and Tourism Analytics (ICMCIE-2020)(online mode) | December 20-22, 2020 | Department of Mathematics, American College, Madurai and FATER Academy of India. |
| Convener | International Webinar on Recent Advances in Graph Theory | May 29-30, 2020 | School of Mathematics, Alagappa University, Karaikudi. |
| Chairman | International Conference on Mathematical Modelling and Computational Methods in Science and Engineering (ICMMCMSE-2020) | January 22-24, 2020 | School of Mathematics, Alagappa University, Karaikudi. |
| Convener | International Conference on Mathematical Modelling and Computational Intelligence (ICMMCI-2019) | September 03-04, 2019. | School of Mathematics, Alagappa University, Karaikudi. |
| Convener | International Conference on Discrete and Computational Mathematics (ICDCM2018) | December 20-21, 2018 | School of Mathematics, Alagappa University, Karaikudi. |
| Chairman | International Conference on Mathematical Modelling and Computational Methods in Science and Engineering (ICMMCMSE-2017) | February 20-22, 2017 | School of Mathematics, Alagappa University, Karaikudi. |
| Convener | International Workshop on Data Analysis Using SPSS(IWDAUS-2016) | December 15-19, 2016 | School of Mathematics, Alagappa University, Karaikudi. |

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|-----------------------------|--|-----------------------------|---|
| Organizing Secretary | International Workshop on Matrix Analytic Methods in Stochastic Models (IWMAM-2013) | January 07-09, 2013 | School of Mathematics, Alagappa University, Karaikudi. |
| Organizing Secretary | International Conference on Stochastic Modeling(ICSM09) | February 12-14, 2009 | Department of Mathematics, Alagappa University, Karaikudi. |
| National | | | |
| Convener | National Webinar on Recent Trends in Pure and Applied Mathematics | October 12, 2021 | Thiagarajar College, Madurai and Alagappa University, karaikudi |
| Organizing Secretary | National Conference on Challenges in Mathematical Modelling(NC²M²-2020) | February 20-21, 2020 | Department of Mathematics, Alagappa University, Karaikudi. |
| Convener | National Workshop on Dynamical System with MATLAB and Its Computations | January 09-11, 2020 | School of Mathematics, Alagappa University, Karaikudi. |
| Convener | National Conference on “Recent Advances in Mathematical Modelling(NCRAMM19) | September 23, 2019 | Department of Mathematics, Alagappa University, Karaikudi. |
| Convener | National Conference on Mathematical and Computational Sciences (NCMCS18) | October 23-24, 2018. | Department of Mathematics, Alagappa University, Karaikudi. |
| Organizing Secretary | Workshop on MATLAB | March 26-27, 2018 | Department of Mathematics, Alagappa University, Karaikudi. |
| Organizing Secretary | National Conference on Modern Trends in Pure and Applied Mathematics (NCMTPAM18) | March 02, 2018 | Department of Mathematics, Alagappa University, Karaikudi. |
| Convener | National Conference on Pure and Applied Mathematics(NCPAM16) | March 30-31, 2016 | Department of Mathematics, Alagappa University, Karaikudi. |
| Organizing Secretary | National Conference on Recent Advances in Computer and Mathematical Sciences(RACMS-2014) | October 17-18, 2014 | Department of Mathematics and Computer Science, Dr. Umayal Ramanathan College for Women, Karaikudi |
| Organizing Secretary | National Conference on Challenges in Mathematical Modelling(CMM-2011) | December 22, 2011 | Department of Mathematics, Alagappa University, Karaikudi. |
| Organizing Secretary | National Conference on Recent Trends in Mathematics and Its | December 22, 2010 | Department of Mathematics, Alagappa |

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|-----------------------------|---|------------------------------|---|
| | Applications(RTMA-2010) | | University, Karaikudi. |
| Organizing Secretary | National Seminar on Analysis and Number Theory (NSANT-2010) | January 21-22, 2010 | Department of Mathematics, Alagappa University, Karaikudi. |
| Organizing Secretary | Symposium on Recent Advances in Mathematical Modeling in Engineering | September 14-15, 2007 | Department of Mathematics, Thiagarajar College of Engineering, Madurai |

Events Participated

Number of Conferences/Seminars/Workshops: **32**

Conferences:

International level:

1. Presented a paper at the "International Conference on Mathematical Engineering Applications for Sustainable Development", held during August 16-18, 2019, University of Malaya, Meeting room 18-1, Wisma R&D, Kuala Lumpur, Malaysia.
2. Presented a paper at the "International Conference on Engineering, Architecture, Physics & Mathematical Sciences, December 15-16, 2022, Saigon University, Ho Chi Minh, Vietnam.
3. Presented a paper at the "International Conference on Stochastic Modelling and Simulation(ICSMS 2011), December 15-17, 2011, Vel Tech Dr. RR and Dr. SR Technical University, Avadi, Chennai.
4. Presented a paper at the "International Conference on Industrial and Applied Mathematics 2007 (ICIAM 2007)", July 16 - 20, 2007, University of Zurich, Zurich, Switzerland.
5. 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, Kuala Lumpur, Malaysia.
6. 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.
7. 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

| S. No. | Country Visited | Period | | Purpose of Visit |
|--------|---------------------------------|------------|------------|--|
| | | From | To | |
| 1. | Vietnam | 15.12.2022 | 16.12.2022 | Delivered an invited talk in the Conference. |
| 2. | Malaysia (University of Malaya) | 16.08.2019 | 19.08.2019 | Delivered an invited talk in the Conference. |

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|----|---|------------|------------|--|
| 3. | Singapore (National University of Singapore) | 27.10.2018 | 28.10.2018 | Delivered an invited talk in the Conference. |
| 4. | Malaysia (Universiti Tunku Abdul Rahman) | 25.10.2018 | 26.10.2018 | Delivered an invited talk in the Conference. |
| 5. | Thailand (Asian Institute of Technology) | 02.10.2017 | 06.10.2017 | Delivered an invited talk in the Conference. |
| 6. | Switzerland (University of Zurich) | 16.07.2007 | 20.07.2007 | Presented a research article in the Conference |
| 7. | Germany (University of Kiel) | 08.06.2006 | 18.06.2006 | For doing collaborative research |
| 8. | Malaysia (University of Malaya) | 01.04.2006 | 07.04.2006 | Presented a research article in the Conference |

Membership

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).

Academic Bodies in Other Institutes/Universities

| Year/Period | Name of the BoS/Administrative Committee / Academic Committee | Role |
|-------------|--|-------------|
| 2022-25 | Board of Studies in M.Sc. and M.Phil. Mathematics of Department of Mathematics, Alagappa University. | Chairman |
| 2022-25 | Board of Studies in M.Sc Mathematics of Department of Mathematics, DDE of Alagappa University. | Chairman |
| 2022-25 | Board of Studies in B.Sc Mathematics of Department of Mathematics, DDE of Alagappa University. | Member |
| 2022-25 | Board of Studies in M.Phil. Mathematics of | Chairperson |

| | | |
|----------------|--|------------------------------|
| | Department of Mathematics, Affiliated Colleges of Alagappa University. | |
| 2022-25 | Board of Studies in M.Sc Mathematics of Department of Mathematics, Affiliated Colleges of Alagappa University. | Member |
| 2022-25 | Board of Studies in B.Sc Mathematics of Department of Mathematics, Affiliated Colleges of Alagappa University. | Member |
| 2022-25 | Board of Studies in B.Sc. and M.Sc. Mathematics of Department of Mathematics, J.J. College of Arts and Science College, Pudukottai. | Member |
| 2022-25 | Board of Studies in M.Sc. Mathematics of Department of Mathematics, Sourashtra College, Madurai. | Member |
| 2022-25 | Board of Studies in B.Sc. and M.Sc. Mathematics of Department of Mathematics, Kongunadu Arts and Science College, Coimbatore. | Member |
| 2021-24 | Board of Studies in B.Sc. and M.Sc. Mathematics of Department of Mathematics, G.T.N. Arts College, Dindigul. | MK University Nominee |
| 2021-23 | Board of Studies in B.Sc. and M.Sc. Mathematics of Department of Mathematics, H.H. The Rajah's College, Pudukottai. | Member |

Ph.D. Thesis Evaluated

Thesis Evaluated : 56
Viva-voce Examiner : 67

List of Research Articles / Recent Publications

Total Number of Publications: **International – 110; National - 02**

| S. No | Authors/Title of the paper/Journal | Impact Factor |
|--------------|---|----------------------|
| 1 | P. Shanthi, S. Amutha, N. Anbazhagan, G. Uma, Gyanendra Prasad Joshi and Woong Cho, Characterization of Fractional Mixed Domination Number of Paths | 1.4 |

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|---|---|-------|
| | and Cycles, Journal of Mathematics, vol. 2024, Article ID 6619654, 11 pages, January 2024, DOI: https://doi.org/10.1155/2024/6619654 . (ISSN 2314-4629(P), 2314-4785 (Online), SCIE and Scopus indexed.) | |
| 2 | S. Selvakumar, K. Jeganathan, Aster Seifu Senae, N. Anbazhagan, S. Amutha, Gyanendra Prasad Joshi and Woong Cho, Performance of Dual Service Station in Stochastic Inventory System with Optional Feedback Service, Ain Shams Engineering Journal, 15(3), 102583, 32 pages, March 2024, DOI: https://doi.org/10.1016/j.asej.2023.102583 . (ISSN 2090-4479, SCIE and Scopus indexed.) | 6.0 |
| 3 | S. Saravanakumar, A. Eswari, O.D. Makinde, N. Anbazhagan, Gyanendra Prasad Joshi, Woong Cho, Analysis of temperature-dependent thermal conductivity and fin efficiency: Direct Akbari- Ganji method, Case Studies in Thermal Engineering, 51(2023):103627, 14 pages, October 2023, DOI: https://doi.org/10.1016/j.csite.2023.103627 . (ISSN 2214-157X, SCIE, Scopus and Web of Science indexed.) | 6.8 |
| 4 | M. Nithya, Gyanendra Prasad Joshi, C. Sugapriya, S. Selvakumar, N. Anbazhagan, Eunmok Yang and Ill Chul Doo, Analysis of Stochastic State-Dependent Arrivals in a Queueing-Inventory System with Multiple Server Vacation and Retrial Facility, Mathematics, 10(17): 3041, 29 pages, August 2022, https://doi.org/10.3390/math10173041 . (ISSN: 2227-7390, SCIE, Scopus and Web of Science indexed.) | 2.592 |
| 5 | T. Hari Krishnan, K. Jeganathan, S. Selvakumar, N. Anbazhagan, Woong Cho, Gyanendra Prasad Joshi and Kwang Chul Son, Analysis of Stochastic M/M/c/N Inventory System with Queue-Dependent Server Activation, Multi-Threshold Stages and Optional Retrial Facility, Mathematics, 10(15):2682, 37 pages, July 2022, https://doi.org/10.3390/math10152682 . (ISSN: 2227-7390, SCIE, Scopus and Web of Science indexed.) | 2.592 |
| 6 | V. Vinitha, N. Anbazhagan, S. Amutha, K. Jeganathan, Bhanu Shrestha, Hyoung-Kyu Song, Gyanendra Prasad Joshi and Hyeonjoon Moon, Analysis of a Stochastic Inventory Model on Random Environment with Two Classes of Suppliers and Impulse Customers, Mathematics, 10(13):2235, 22 pages, June 2022, https://doi.org/10.3390/math10132235 . (ISSN: 2227-7390, SCIE, Scopus and Web of Science indexed.) | 2.258 |
| 7 | N. Anbazhagan, Srijana Acharya, V. Vinitha, S. Amutha, K. Jeganathan, Changho Seo, and Hyun-II Kim, The MAP/PH/N/1, Queueing-Inventory System With Demands From a Random Environment, IEEE Access, 10, pp:47371-47383, May 2022, https://doi.org/10.1109/ACCESS.2022.3170065 . (ISSN: 2169-3536, SCIE, Scopus and Web of Science indexed.) | 3.367 |
| 8 | C. Sugapriya, M. Nithya, K. Jeganathan, N. Anbazhagan, Gyanendra Prasad Joshi, Eunmok Yang and Suseok Seo, Analysis of Stock-Dependent Arrival Process in a Retrial Stochastic Inventory System with Server Vacation, Processes, 10(1):176, 25 pages, January 2022, https://doi.org/10.3390/pr10010176 .(ISSN: 2227-9717, SCIE, Scopus and Web of Science indexed.) | 2.847 |
| 9 | Siva Kumar Pathuri, N. Anbazhagan, Gyanendra Prasad Joshi, and Jinsang You, Feature-Based Sentimental Analysis on Public Attention Towards COVID-19 Using CUDA-SADBM Classification Model, Sensors, 22(1):80, 17 pages, | 3.576 |

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| | December 2021, https://doi.org/10.3390/s22010080 .(ISSN: 1424-8220, SCIE, Scopus and Web of Science indexed.) | |
| 10 | P. Thanalakshmi, R. Anitha, N. Anbazhagan, Woong Cho, Gyanendra Prasad Joshi and Eunmok Yang, A Hash-Based Quantum-Resistant Chameleon Signature Scheme, <i>Sensors</i> , 21(24):8417, 15 pages, December 2021, https://doi.org/10.3390/s21248417 . (ISSN: 1424-8220, SCIE, Scopus and Web of Science indexed.) | 3.576 |
| 11 | V. Vinitha, N. Anbazhagan, S. Amutha, K. Jeganathan, Gyanendra Prasad Joshi, Woong Cho and Suseok Seo, Steady State Analysis of Impulse customers and Cancellation policy in Queueing-Inventory System, <i>Processes</i> , 9(12):2146, 16 pages, November 2021, https://doi.org/10.3390/pr9122146 .(ISSN: 2227-9717, SCIE, Scopus and Web of Science indexed.) | 2.847 |
| 12 | P. Mala, M. Palanivel, S. Priyan, N. Anbazhagan, Srijana Acharya, Gyanendra Prasad Joshi and Joochan Ryoo, Sustainable Decision-Making Approach for Dual-Channel Manufacturing Systems under Space Constraints, <i>Sustainability</i> , 13(20), 11456, 22 pages, October 2021, https://doi.org/10.3390/su132011456 . (ISSN: 2071-1050, SCIE, Scopus and Web of Science indexed.) | 3.251 |
| 13 | R. Suganya, Lewis Nkenyereye, N. Anbazhagan, S. Amutha, M. Kameswari, Srijana Acharya and Gyanendra Prasad Joshi, Perishable Inventory System with N-Policy, MAP Arrivals and Impatient Customers, <i>Mathematics</i> , 9(13), 1514, 14 pages, June 2021, https://doi.org/10.3390/math9131514 (Corresponding Author, ISSN: 2227-7390, SCIE, Scopus and Web of Science indexed.) | 2.258 |
| 14 | Siva kumar Pathuri, N. Anbazhagan N. Sriman Narayana and W.Sridhar, A Novel Classification Model for Feature-Based Sentimental Analysis on Public Attention Towards COVID-19. <i>Journal of Cardiovascular Disease Research</i> , 12(3), 176-187, 2021, doi: 10.31838/jcdr.2021.12.03.25 (ISSN:0975-3583, 0976-2833, Scopus indexed) | -- |
| 15 | K. Jeganathan, S. Selvakumar, N. Anbazhagan, S. Amutha, Porpattama Hammachukiattikul, Stochastic modeling on M/M/1/N inventory system with queue-dependent service rate and retrial facility. <i>AIMS Mathematics</i> , 6(7), 7386 - 7420, April 2021. doi: 10.3934/math.2021433 (SCIE, Scopus and Web of Science indexed.) | 1.427 |
| 16 | K. Suriya Prabha, S. Amutha, N. Anbazhagan, and Ismail Naci Cangul, Bounds on Coindendent Liars Domination in Graphs, <i>Journal of Mathematics</i> , Volume 2021, Article ID 5544559, 6 pages, 2021. (ISSN: 2314-4629 (Print), ISSN: 2314-4785 (Online), https://doi.org/10.1155/2021/5544559 , SCIE and Scopus indexed.) | 0.971 |
| 17 | Neeraj Manhas and N. Anbazhagan, A mathematical model of intricate calcium dynamics and modulation of calcium signalling by mitochondria in pancreatic acinar cells. <i>Chaos, Solitons and Fractals</i> , 145, April 2021, 110741 (ISSN 0960-0779, https://doi.org/10.1016/j.chaos.2021.110741 , SCI, Scopus and Web of Science indexed.) | 3.764 |

Invited Lectures

National Conferences : 99

International Conferences : 31