

PROFILE



Name	: Dr. B. Amala Jasmine
Designation	: Assistant Professor
Department	: Mathematics
Date of Birth	: 14. 07. 1988
Date of Appointment	: 15. 06. 2015

ACADEMIC

S. No.	DEGREE	UNIVERSITY/INSTITUTION	YEAR OF COMPLETION
1.	B. Sc.	Holy Cross College for Women, Trichy.	April, 2009
2.	B. Ed.	St. Anne's College for Education, Periyakulam.	April, 2010
3.	M. Sc.	J. A. College for Women, Periyakulam.	April, 2012
4.	M. Phil.	E.M.G. Yadava Women's College, Madurai.	April, 2013
5.	Ph. D.	Cardamon Planters' Association College, Bodinayakanur. Madurai Kamaraj University, Madurai.	March, 2019
6.	PGDCA	BDPS Software Limited, Tiruchirapalli.	June, 2009

Total Experience : 10 years

Area of Specialization/ Interest: Stochastic Process, Graph Theory.

Professional Affiliation : **NSS Programme Officer**
 NSS Staff Advisor
 Member of Extension Programmer
 Member of Attendance Committee

Book Publication : **Youth Red Cross**, First Edition, 2021
 ISBN: 978-92560-12-5
 PCF Publications, Madurai.
Problem Solving Skills, First Edition, 2024
 ISBN: 978-93-6415-875-6
 Vasantha Pathippagam, Chennai.

Awards: 3

1. **SWAMY VIVEKANANDHA AWARD** for Excellence in Studies and Sports in the year 2017 sponsored by Bharathi Yuva Khendra, Madurai.
2. **BEST PAPER AWARD** for the research paper entitled **Analysis of Two Echelon Perishable Inventory System in Supply chain with Partial Backlogging** in the National Conference organized by the Department of Computer Science, J. A. College, Periyakulam in the year 2019.
3. **Kalvi Sevagar Viruthu – 2022** for the NSS activity by **Kurunji Kabilar Tamil Sangam** in the year 2022.

Research Publications: 15

- **Analysis of Compliment Inventory System in supply chain with lost sale** on Int. Journal of Mathematical Sciences and Applications, Vol.6, No.2, December 2016. ISSN: 2230-9888.
- **Modelling and Analysis of Compliment Inventory System in supply chain with Partial Backlogging** on International Journal of Applied and Advanced Scientific Research. ISSN: 2456 – 3080. Special Issue, February – 2017.
- **Developing and Analyzing of Perishale Inventory System in Supply chain with Direct Demand and Lost sale** on International Journal of Computational and Applied Mathematics, Volume 12, No.1(2017).
- **Performance Analysis of Two- echelon Perishable Inventory System with Lost sale** on International Journal of Research in Information Technology, Volume 2, ISSN : 2001-5569, Impact Factor: 1.021, Issue 2, Feb. 2018, Pg. 1-11.
- **Modeling and Analysis of Compliment Inventory System in supply chain with Partial Backlogging** on International Journal of Fuzzy Mathematical Archive. ISSN: 2320 – 3350, **Vol. 15, No. 2**, Pg. 157-166, April – 2018.
- **Analysis of two Echelon Perishable Inventory system in supply chain with Partial Backlogging** on International Journal of Scientific Research in Computer Science Applications and Management Studies, ISSN: 2319 – 1935, **UGC Ref. No. 63611, Vol. 8, Issue 1, January** – 2019.
- **The Role of Mathematics in Computer Science College Education** on International Journal of Contemporary Research in Computer Science and Technology, ISSN: 2395 – 2765, Vol. 5, Issue 1, March – 2019.
- **Analysis of Fuzzy Inventory model with allowable Shortage and full backlogging using Fuzzy numbers** on UGC care Journal of Studies in Indian Place Names, ISSN: 2394 – 3114, Vol. 40, Issue 70, March – 2020.
- **Labelling of Cordial Graphs** on JAC Journal of Science, Humanities and Management, ISSN: 2347 – 9868, Vol. 7, June – 2020.
- **Valzhuvam Potrum Manitha Manpu** on International Multilateral Thamizh Journal, ISSN: 2321 – 984X, Special Issue, September – 2021.
- **Comparative Analysis of Pseudo-Smarandache Function** on JAC Journal of Science, Humanities and Management, ISSN: 2347 – 9868, Vol. 10, No.1, December – 2022.
- **Total Coloring of Fuzzy Graphs Using Strong α -Cuts** on Advances in Fuzzy Sets and Systems, ISSN: 0973-421X, Vol. 28, Pg. 77-86, June – 2023.
- **Fuzzy Optimization in Disease Recognition Based on Gernotology and Chronic Disease Using Fuzzy Numbers** on Indian Journal of Natural Sciences, ISSN: 0976 – 0997, Vol. 14, Issue 80, October – 2023.
- **Exploring Biodiversity: Analyzing Monkey Population Variations in the Kodaikanal Hills** on Dynamic Trends in Multi-Domain Integration, Volume - 2, ISBN: 978-81-19368-31-0, Pg. No. 126 – 130, Published by AUTHORS CLICK PUBLISHING Area no.55, Ashok Vihar, Phase 2, Bilaspur, Chhattisgarh 495001. www.authorsclick.com Copyright © 2024.
- **Comparative Analysis in Solving FFLP using Ranking Technique relating Risk Factors to Chronic Disease** on Biochem. Cell. Arch. Vol. 24, No. 2, pp. 2071-2077, October 2024, ISSN 0972-5075, eISSN 0976-1772, <https://connectjournals.com/03896.2024.24.2071>.

Seminars/Conferences/ Workshops Participated: 19

- National Workshop on “**Research Practices in Mathematics And Computer Science**” organized by Research Centre of Mathematics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam from 3rd and 4th August, 2015.
- Workshop on “**Techniques of Teaching Mathematics for Visually Impaired**” organised by Research Centre of Mathematics, Jayaraj Annapackiam College for Women(Autonomous), Periyakulam on 4th August, 2015.
- National Seminar on “**Ranking the Research Publications: Citation Analysis, Citation Databases and Anti-Plagiarism**” organised by the Central Library, Jayaraj Annapackiam College for Women(Autonomous), Periyakulam from 27th- 28th January, 2016.
- National level conference on **Quality Assurance and Quality Sustenance in Higher Educational Institutions: Challenges and Solutions** at Jayaraj Annapackiam College for Women, Periyakulam on 29th & 30th September, 2016
- National seminar on **Topological Graph Theory** at Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 19th December, 2016.
- National Seminar on **Recent Trends in Applied Mathematics** organized by Research Centre and PG Department of Mathematics at Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 13th December, 2017
- International Conference on “**Emerging Trends in Mathematical Sciences and Technology**” (ICETMST 2018) organized by Research Centre & PG Department of Mathematics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, on 20th and 21st, December 2018.
- Two days workshop on “**Fuzzy Set Theory and its Applications**” organized by Research Centre & PG Department of Mathematics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, on 27th and 28th, February 2019.
- National Conference on “**Application Of Mathematics In Real Life**” (AMRL-2019) was organized by Research Centre & PG Department of Mathematics at Jayaraj Annapackiam College For Women(Autonomous), Periyakulam, on 17th, December 2019.
- International Webinar on “**New Advances In Mathematical And Computational Sciences**” organized by the PG and Research Department of Mathematics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 22nd October 2021.
- National Webinar on “**Emerging Trends in Application of Mathematics**” organized by the PG and Research Department of Mathematics in collaboration with Annai Vailankanni Arts and Science College, Thanjavur, on 27th October, 2022.
- International Webinar on “**Recent Advances in Pure and Applied Mathematics**” was organized by PG and Research Department of Mathematics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 27th January 2022.
- International Webinar on “**Emerging Trends in Mathematics**” organized by the PG and Research Department of Mathematics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 13th September, 2023.
- International online workshop on “**Start Research with Smart Artificial Intelligence Technology**” organized by Global Institute of Statistical Solutions on 2nd to 4th March, 2024.
- International webinar on “**Mathematics in Smart Agriculture and Food Security**” organized by the PG and Research Department of Mathematics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 11th December, 2024.
- IP Awareness Training Program on “**National Intellectual Property Awareness**

- Mission**” organized by Intellectual Property Office, India on 23rd September, 2025.
- One-day Workshop for NSS Programme Officer on Information Literacy and Cyber Safety organized by Government of Tamil Nadu, Department of Youth Welfare and Sports Development and Tamil Nadu State NSS Cell in Association with Tamil Nadu Fact Check Unit at Madurai Kamaraj University, Madurai on 17th November, 2025.

Short Term Course: 2

- Attended Short Term Course on **Human values & Well-being for all subjects Programme under Malaviya Mission Teacher Training Programme (MMTTP)** of University Grants Commission (UGC) organized by UGC-Malaviya Mission Teacher Training Centre, Banaras Hindu University, Varanasi - 221005 (U.P.) from May 08.05.2025 to 14.05.2025.
- Attended Tens Days Short Term Training Programme on **Vedic Mathematics: Techniques and Applications** organized by J. A. College for Women, Periyakulam from 04.08.2025 to 14.08.2025.

Faculty Development Programme: 1

- Five Days International Virtual Faculty Development Programme on Harnessing Generative AI: Smart Tools for Teaching, Learning, Evaluation & Research organized by St. Joseph's College, Department of Computer Science, Tiruchirappalli from 07.07.2025 to 11.07.2025.

Conference Presentations: 11

- Presented a paper on “**Performance Analysis of Two- echelon Perishable Inventory System with Lost sale**” in the National Seminar on Topological Graph Theory at J.A College, Periyakulam on 19.12.2016
- Presented a paper on “**Optimization of Inventory system in Two-Echelon with Direct demand and Lost sale**” in the International Conference on Recent Trends in Applied Mathematics, Sri. S. Ramasamy Naidu Memorial College, Sattur, Virudhunagar-Dt on 24.01.2017 & 25.01.2017.
- Presented a paper on “**Modelling and Analysis of Compliment Inventory System in Supply chain with Partial backlogging**” in the International Conference on Advances in Theoretical and Applied Mathematics at Madurai Sivakasi Pioneer Women’s College, Poovanthi, Sivagangai -Dt on 14.02.2017
- Presented a paper on “**Developing and Analyzing of Perishable Inventory System in Supply chain with Direct demand and Lost sale**” in the International Conference on Science, Engineering, Technology and Management (ICSETM) at Kuriakose Elias College, Mannanam, Kottayam-Dt, Kerala on 08.03.2017 & 09.03.2017
- Presented a paper on “**Comparative Analysis of Compliment Inventory System in Supply chain with Lost sale**” in the National Conference on Mathematical Modelling at C.P.A College, Bodi on 30.03.2017 & 31.03.2017
- Presented a paper on “**The Art of Kolam in Graph Theory**” in the National Conference on Present Scenario in Graph Theory at Mannar Thirumalai Naicker College, Madurai on 16.12.2015.
- Presented a paper on “**Analysis of Compliment Inventory System in Supply chain with Lost sale**” in the International Seminar on Algebra and Applied Mathematics at HKRH College, Uthamapalayam on 11.01.2018.
- Presented a paper on “**Impact on Environmental effects and Issues on Agricultural movement**” in the National Conference on Popular Movements in South India during 19th & 20th centuries at J.A College, Periyakulam on 7.2.2018 & 8.2.2018.
- Presented a paper on “**Analysis of two Echelon Perishable Inventory system in supply**

chain with Partial Backlogging” in the National Conference on Internet of Things at J.A. College for Women, Periyakulam on 22.2.2019.

- Presented a paper on “**Comparitive Analysis in Solving FFLP using Ranking Technique linking Risk Factors to Chronic Disease**” in Mathematical Modelling, Simulation and Nonlinear Dynamics at International Conference at Bharathiar University, Coimbatore on 15th and 16th February, 2024.
- Presented a paper on “**Prime Cordial Labeling in Platonic Solids: A Graph-Theoretic Approach**” in International Conference on Recent Trends in Mathematics and Computer Science - 2025 at Auxilium College of Arts and Science for Women, Pudukkottai on 9th to 11th October, 2025.

Contact Details:

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