

PROFILE



Name : **Mrs. 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	Cardomon Planters' Association College, Bodinayakanur. Madurai Kamaraj University, Madurai.	March, 2019
6.	PGDCA	BDPS Software Limited, Tiruchirapalli.	June, 2009

Total Experience : 9 years

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

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

Book Publication : Youth Red Cross, First Edition,
ISBN: 978-92560-12-5 PCF Publications, Madurai, 2021.

Research Publications:

International Publication: 13

- Published a paper titled “**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.
- Published a paper titled “**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.

- Published a paper titled “**Developing and Analyzing of Perishable Inventory System in Supply chain with Direct Demand and Lost sale**” on International Journal of Computational and Applied Mathematics, Volume 12, No.1(2017).
- Published a paper titled “**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.
- Published a paper titled “**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.
- Published a paper titled “**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.
- Published a paper titled “**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.
- Published a paper titled “**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.
- Published a paper titled “**Labelling of Cordial Graphs**” on JAC Journal of Science, Humanities and Management, ISSN: 2347 – 9868, Vol. 7, June – 2020.
- Published a paper titled “**Valzhuvam Potrum Manitha Manpu**” on International Mulilateral Thamizh Journal, ISSN: 2321 – 984X, Special Issue, September – 2021.
- Published a paper titled “**Comparative Analysis of Pseudo-Smarandache Function**” on JAC Journal of Science, Humanities and Management, ISSN: 2347 – 9868, Vol. 10, No.1, December – 2022.
- Published a paper titled “**Total Colouring of Fuzzy Graphs Using Strong α -Cuts**” on Advances in Fuzzy Sets and Systems, ISSN: 0973-421X, Vol. 28, Pg. 77-86, June – 2023.
- Published a paper titled “**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.

Seminars/Conferences/ Workshops Participated (Last Five Years): 17

- 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 JayarajAnnapackiam 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, JayarajAnnapackiam 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, JayarajAnnapackiam College For Women(Autonomous), Periyakulam, on 27th and 28th, February 2019.
- No. of Webinars attended – 30.

Conference Presentations (Last Five Years) : 10

- 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 Theroretical 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 “**Comparitive 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, 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.

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.

Contact Details:

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