

Faculty Profile



Dr. C. Jayasankari, M.Sc., Ph.D., PGDTTE.,
Assistant Professor (OG), S&H

HIGHLIGHTS:

- Number of Journal Publications : 10
- H-Index : 3
- Project Funding Received : NA
- Patents Published : NA
- Patents Granted : NA

PROFESSIONAL LINKS:

- Scopus ID : [58244455600](https://scopus.com/authorid/58244455600)
- Scopus Link : [58244455600](https://scopus.com/authorid/58244455600)
- Google Scholar ID : [dTzIfsUAAAAJ](https://scholar.google.com/citations?user=dTzIfsUAAAAJ)
- Anna University Faculty ID :
- AICTE Faculty ID :
- Anna University Supervisor ID : NA
- LinkedIn : [jayasankari1506](https://www.linkedin.com/in/jayasankari1506)

PROFESSIONAL BACKGROUND:

- Teaching Experience till date : 1 year 6 months
- Industrial Experience : NA

INTERNATIONAL EXPOSURE: NIL

PUBLICATION DETAILS:

1. Jayasankari, C., & Uthayakumar, R. (2024). A two-phase production inventory model for imperfect quality items with multivariate demand, upstream and downstream credit period offers under a carbon tax, and green subsidy. *Journal of Control and Decision*, 1-16. <https://doi.org/10.1080/23307706.2024.2349630>
2. Priyadharshini, A. R., Jayasankari, C., & Uthayakumar, R. (2024). Impact of Learning on Ordering Policy for Deteriorating Imperfect Quality Items with Promotion Dependent Demand, Partial Trade-Credit and Shortages. *Indian Journal of Science and Technology*, 17, 21-33. <https://doi.org/10.17485/IJST/v17sp1.143>
3. Chandramohan, J., Chakravarthi, R. P. A., & Ramasamy, U. (2023). A comprehensive inventory management system for non-instantaneous deteriorating items in supplier-

retailer-customer supply chains. *Supply Chain Analytics*, 3, 100015. <https://doi.org/10.1016/j.sca.2023.100015>

4. Chandramohan, J., & Ramasamy, U. (2023). A sustainable inventory model for growing items considering carbon emissions, product expiry, and profit-sharing policy. *Journal of Future Sustainability*, 3(4), 201-222. <http://dx.doi.org/10.5267/j.jfs.2023.2.002>
5. Chandramohan, J. (2023). A multi-objective economic production quantity model for deteriorating items with impact of the pandemic, social and environmental concerns. *Journal of Industrial and Production Engineering*, 40(5), 375-396. <https://doi.org/10.1080/21681015.2023.2207848>
6. Pollution perceptive inventory model with stock-dependent demand for deteriorating items under bi-level approach. Volume 9, Issue 3, Pages 642-659. *International Journal of Research and Analytic Reviews*
7. An inventory model for growing items with credit period offers, green subsidy, and profit sharing , *International Journal of Operations Research* Vol. 20, 2536 (2023) http://doi.org/10.6886/IJOR.202308_20.0003
8. **Jayasankari, C.,& Uthayakumar, R, (2023) An inventory model for growing items with credit period offers, green subsidy, and profit sharing, Published in *International Journal of Operations Research (UGC-CARE List Group I)***
9. **Jayasankari, C.,& Uthayakumar, R, A joint replenishment inventory model for substitutable deteriorating items under advance payment with price discounts. *Journal of Management Analytics*.(Taylor and Francis, Scopus,IF:6.037) (Revision Submitted)**
10. **Jayasankari, C.,& Uthayakumar, R. A multi-echelon supply chain model for decaying items with multi-credit period offers, demand patterns & payment delays. *International Journal of Business Performance and Supply Chain Modelling*. (Inderscience, Scopus(Elsevier))**

AREA OF SPECIALIZATION:

- Inventory Management Systems
- Supply Chain Management

Ph.Ds AWARDED WITH DETAILS: NIL

Ph.Ds GUIDING: NIL

- Full Time Scholars: NA
- Part Time Scholars : NA

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY : NIL

PATENTS PUBLISHED/GRANTED : NIL

COURSES CERTIFIED :

- Post Graduate Diploma in Teacher Training Education.
- NPTEL Courses:

1. Developing Soft Skills and Personality

2. ICT in Teaching and Learning
3. Python for Data Science
4. Foundations of R

ACHIEVEMENTS AND AWARDS: NA

SPECIAL SESSIONS DELIVERED: NA

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

2024:

Seminar's:

1. Participated in a online awareness seminar session on "Electrical waste management: Product innovation and technology management", organized by Indian Society for training and development, Sanatan Dharma College on 31st July 2024.

Webinar's:

1. Participated in a National Webinar on "Strategies to Manage Classroom Effectively", organized by Nucleus of Learning and Development on 3rd August 2024.

Symposium & Workshop's:

1. Participated in workshop on Crafting CV hosted by cVDragon on 29th July 2024.
2. Participated in an one day symposium on remembering Prof. K.B Athreya, by Mathematical Sciences Institute, Belgavi (30th July 2024)
3. Participated in a One day workshop on Intellectual Property Rights (IPR) and patents and design filing hosted by Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal. (30th July 2024)
4. Participated in the National Virtual "Workshop on Applications of Linear Algebra" Organised by the Department of Mathematics, Kongunadu College of Engineering and Technology, Trichy held on 6th August 2024.

Faculty Development Program's (FDP):

1. Participated in the FDP for 10 days from July 15 to July 25 2024, organized by Malaviya Mission Teacher Training Centre- IITDM Kancheepuram, July B Batch.
2. Participated in the FDP on Numerical Computations and Dynamical Systems by Department of Mathematics, Anurag University, Hyderabad on July 22nd to July 26th on 2024.
3. Participated in the FDP on IoT Security organized by the Department of Electrical and Electronics Engineering, DMI College of Engineering, Chennai, from 05th -09th August 2024.
4. Participated in the 2 Days FDP on Critical and Creative Thinking Skills, on 5th and 6th August 2024, organized by the IQAC, Michael Job Memorial College of Education for Women, Coimbatore.
5. Participated in the 6 days online FDP on Artificial Intelligence Impact's on Transforming Software, Robotics, Electrical, Electronical and Mechanical Fields held from 05 th to 10th August 2024, organised by Dhanish Ahamed College of Engineering, Chennai.
6. Participated in a 2 Days FDP on Deep Learning and IoT technologies in Precision Healthcare, organized by Kongu Engineering College, Coimbatore on 16th and 17th August 2024.
7. Participated in a 2 Days FDP on Unveiling Emerging Research Trends in Mathematics, organized by the Department of Mathematics, SRM Madurai College for Engineering and Technology, Sivagangai on 20.08.2024 and 21.08.2024.

2023:

Seminar's & Lecture Series:

1. Attended the Lecturer Series on Number theory organized by the Department of Mathematics, Sant Longowal Institute of Engineering and Technology, Longowal, Punjab, India during August 10-13 2023.

Conference's:

1. Participated and Presented a paper in the conference “10th International Conference on Business Analytics and Intelligence”, entitled as “Reverse Logistics Inventory Model for Non-Instantaneous Deteriorating Items With Carbon Footprint and Bi-Level Trade Credit Offers” held in IISC, Benaguru, on December 18th to 20th, 2023.
2. Participated and Presented a paper in the conference “International Symposium on Mathematical Analysis of Fractals and Dynamical Systems”, entitled as “An ideal Production and pricing policies in an imperfect production system for deteriorating items with multi-variate demand, reworking returns and trade credit offers” held on 24th and 25th August 2023, organized by VIT, Vellore, Tamilnadu, India.
3. Participated in the conference on Discrete Mathematics and Mathematical Modelling in Digital Era-2023 held during 23rd to 25th March 2023, organized by the Department of Mathematics, Gandhigram Rural Institute- Deemed to be University, Gandhigram, Tamilnadu, India.
4. Presented a paper entitled “A two-phase production inventory model for imperfect quality items with multi variate demand, upstream and downstream credit period offers under carbon tax and green subsidy” at the INTERNATIONAL CONFERENCE ON MATHEMATICAL MODELLING held during Jan. 27,28, 2023, organized by the Department of Mathematics, Bharathiyar University, Coimbatore-641 046, Tamilnadu, India.

Workshop's & Webinar's:

1. Participated in a Two days national level online workshop on AI Tools for Mastery in Modern Teaching, held from September 02 to 03 2023 organized by Indian Mathematics Professors Association and Infinity Research and Development Institute, Coimbatore.

FDP's:

1. Participated in a Faculty Development Programme for 12 weeks organized by NPTEL for the course “Foundations of R Software” from July 2023 to December 2023.
2. Participated in an Ideation workshop for Patent Filing and Research Proposal writing organized by Rathinam college of Arts and Science, Coimbatore, as part of the Axis Anything in the world of Mathematics skill development program on September 30th, 2023, from 10:00 AM to 01:00 PM.
3. Participated in a Five day online FDP on Advances in Graph Theory, organized by the Division of Mathematics, School of Advanced Sciences, VIT, Chennai- 600127 from 11th September to 15th September 2023.
4. Participated in the One week National Level Faculty Development Program on Cloud Infrastructure, organized by Hindusthan College of Engineering and Technology, Tamilnadu in collaboration with AICTE and Brainovision Pvt. Ltd., on 21st to 25th August 2023.
5. Participated in SEVEN DAY FDP ON RESEARCH INSIGHTS FOR ACADEMIC EXCELLENCE, organized by KPR college of Arts Science and Research, Avinashi road, Arasur, Coimbatore on 3rd to 9th August 2023.

2022:**Conference's:**

1. Presented a paper entitled “Pollution perceptive inventory model with stock-dependent demand for deteriorating items under bi-level approach” at the INTERNATIONAL CONFERENCE ON MATHEMATICAL MODELLING, APPLIED ANALYSIS AND COMPUTATIONAL INTELLIGENCE TECHNIQUES (ICMMAACIT-2022) held during Mar. 02nd –04th, 2022, organized by the Department of Mathematics, Gandhigram Rural Institute (Deemed to be University), Gandhigram, Tamilnadu, India.

Faculty Development Program's (FDP):

1. Participated in the Faculty Development Program on Conformal Mapping in Complex Analysis organized by SRM Institute of Science and Technology, College of Science and Humanities, Vadapalani on 21st September 2022.
2. Participated in a 40 hour Faculty Development Programme on “OPTIMIZATION TECHNIQUES: THEORY, PRACTICE AND EMERGING APPLICATIONS” , sponsored by Ministry of Electronics and Information Technology, GoI organized by the Department of Computer science and Engineering, NIT, Warangal and E&ICT Academy during 22nd to 31st August 2022.

PROFESSIONAL MEMBERSHIPS: NIL**OTHER DETAILS (If any):****As a reviewer:**

1. Supply Chain Analytics- Elsevier
2. Sustainable Futures- Elsevier
3. International Journal of System Assurance Engineering and Management- Springer
4. Opsearch- Springer
5. Indian Journal of Science and Technology-Web of Science