

Dr. A. Shophia Lawrence

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1. Personal Details

Date of Birth & Age : 07-07-1981, 41
Nationality : Indian
Place of Birth : Pulickanmoi, Sivaganga Dist

2. Educational Qualifications

2.1. Academic

Degree/ Examination	Name of the Exam	University/ Institute	Year of Passing	Main Subject
Under Graduate	BSc	Madurai Kamaraj University	2001	Mathematics
Post Graduate	MSc	Madurai Kamaraj University	2003	Mathematics

2.2. Research

Degree	Name of the University	Title of the Thesis	Date of Submission	Date of Award
PhD	Madurai Kamaraj University	Modelling and Analysis of Stochastic Inventory Systems with Full Backlogging	February 2009	October 2009
MPhil	Alagappa University	Fuzzy logic and soft computing	April 2004	June 2004

3. Professional Experience

No	Name of the University / Institution	Position Held	From (Date)	To (Date)
1	Madurai Kamaraj University	Assistant Professor (UPE)	20-08- 2010	30-05- 2013FN
2	Madurai Kamaraj University	Assistant Professor	30-05- 2013AN	Till date

4. Teaching

No	Year	Semester	Course Code	Course Title	Hours per Week
1	2022-23	I	B.Sc/ UVEAV11	Value Education	1
2	2022-23	II	M.Sc/MAT2223C B.Sc/	Probability and Statistics Differential Equations	5 5
3	2022-23	III	M.SC/MAT2131C M.SC/MAT2133C	Complex Analysis Mathematical Statistics	5 5

5. Research Specialization / Field of Research

- Stochastic Modelling
- Inventory Theory, Queueing Theory

6. Research Publications

Type	International	National
Papers Published in UGC-CARE Listed Journals	14	
Papers in Refereed Journals (Not mentioned above)	3	
Books Published		
Books Edited		
Contributions to Book Chapters		
Editor of Conference/Seminar Proceedings		
Papers Published in Conference/Seminar Proceedings	5	
Papers Presented in Conferences/Seminars	5	
Conference/Seminar/Workshop Attended	5	5
Deposits in CCDC, PDB, etc.		

7. Citation Metrics

Cumulative Impact Factor (Recent Annual JCR)	25.825
Total Citations (Scopus)	69
h-Index (Scopus)	5
i10 Index	3

8. Research Guidance/Supervision

Degree / Programme	Completed	Submitted	Ongoing
PhD (Full-time)	3	1	1
PhD (Part-time)			
MPhil Research Project (Full-time)	17		
MPhil Research Project (Part-time)			
MSc Projects/Dissertation	30		
MSc Internships/Summer or Winter Projects			

9. Funded Research Projects

Completed

No	Title of the Project	Funding Agency	Duration	Total Grants Received (Rs)
1.	A Study on Finite Source Inventory Systems	DST	2010-2013	16,08,000/-
2.	Modelling and Analysis of Stochastic Inventory System with Replaceable Items	NBHM	2014-2017	9,84,000/-
3.	A mathematical Study on some discrete time inventory systems with service facility	UGC	2014-2016	6,00,000

10. Research Collaborations

Name of the Collaborator	Institute	Collaboration Details
Prof. Paul Manual	Kuwait University,	Research Collaboration

11. Honours / Awards / Recognitions

Name of the Honours / Awards / Recognition	Awarding Agency	International / National / State / Institute Level
Women Scientist -A	DST	National

12. Conferences / Seminars / Workshops Organized

- Organizing Secretary in the **International Conference on Algebra, Analysis and their Applications**, held at the School of Mathematics, Madurai Kamaraj University, Madurai during January 09-12, 2020.
- Joint Organizing Secretary of the one-week **Advanced Training in Mathematics - Group Theory and Ring Theory**, held at the School of Mathematics, Madurai Kamaraj University, Madurai during January 4 - 9, 2016.
- Organizing Committee member of the **One-day Workshop on Data Analysis Using SPSS** held at the School of Mathematics, Madurai Kamaraj University, Madurai on August 30, 2013
- Joint Organizing Secretary of the **Workshop on Financial Mathematics**, held at the School of Mathematics, Madurai Kamaraj University, Madurai, March 27, 2013.
- Organizing Committee member of the **National Conference on Applied Stochastic Methods**, held at the School of Mathematics, Madurai Kamaraj University, Madurai during March 23 - 24, 2012.
- Organizing committee member in the **National Conference on Applied Stochastic Methods**, held at the School of Mathematics, Madurai Kamaraj University, Madurai during February 26-27, 2010.

13. Professional Development Programs / Faculty Development Programs Attended

Name of the Program	Place	Date(s)	Sponsor
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Orientation Programme	UGC-Academic Staff College, Madurai Kamaraj University	07-02-2014 to 06-03-2014	UGC-Academic Staff College, Madurai Kamaraj University
Winter School- Refresher Course on Mathematics	Human Resource Development Centre, University of Madras, Chennai	07-11-2017 to 27-11-2017	UGC-HRDC and RCCB, University of Madras, Chennai
Refresher Course	UGC- Human Resource Development Centre, Madurai Kamaraj University, Madurai	16-11-2018 to 06-12-2018	UGC-HRDC, Madurai Kamaraj University, Madurai
Refresher Course in Mathematics	Department of Mathematics, Ramanujan College, University of Delhi	31 August-14 September 2021	Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Education

14. Administrative Experiences

Role Played	Responsibilities	Period
Member of NIRF Committee, Madurai Kamaraj University	Preparing and submitting NIRF form to MoR, NIRF, Govt. of India for NIRF ranking	2020-2021
Member of NAAC SSR Preparation Committee to IQAC, Madurai Kamaraj University	NAAC SSR Preparation	2019-2020
Member of a NAAC committee of the school of mathematics	preparing the report of the school of mathematics	2012-2013

15. Membership in Academic Bodies

Name of the University / Institute / College	Type of Membership	Duration / Period
Hajee Karutha Rowther Howdia College, Uthamapalayam	University Nominee in the BOS in M.Sc. Mathematics	27-12-2018 to 26-12-2020
Fatima College, Madurai	University nominee in the BOS in B.Sc. Statistics	29-01-2021 to 28-01-2023
Hajee Karutha Rowther Howdia College, Uthamapalayam	University Nominee in the BOS in B.Sc. Mathematics	17-03-2021 to 16-03-2023
Nadar Mahajana Sangam S. Vellaichamy Nadar College, Madurai	University Nominee in the BOS in B.Sc. Mathematics with CA	17-03-2021 to 16-03-2023

Sourashtra College for Women, Madurai	Representative of the University in the Managing Committee	01-04-2021 to 31-03-2023
Yadava College, Madurai	University nominee in the BOS in Mathematics	20-07-2022 to 19-07-2025

16. Membership in Recognised Professional Bodies

Name of the Professional Body	International / National	Type of Membership
Indian Society for Probability and Statistics	National	Life member
Operational Research Society	National	Life member

17. Languages Known

Languages	Read	Write	Speak
Tamil	Yes	Yes	Yes
English	Yes	Yes	Yes

18. Details of Publications

Papers Published in the Peer-reviewed Scopus indexed Journals

14	J. Sebastian Arockia Jenifer, A. Shophia Lawrence, and B. Sivakumar, A Finite-Source Inventory System with Service Facility and Postponed Demands, <i>Annals of Operations Research</i> , 2023, Springer (In print)
13	K. Preethi, A. Shophia Lawrence, B. Sivakumar, Lost sales obsolescence inventory systems with positive lead time: a system-point level-crossing approach, <i>Probability in the Engineering and Informational Sciences</i> , 1-23, 2022, Cambridge University Press, ISSN: 0269-9648.
12	A. Shophia Lawrence, N. Martin, B. Sivakumar, F.G. Cirujano, A. Dhakshinamoorthy, Palladium-Based Metal Organic Frameworks as Heterogeneous Catalysts for C– C Couplings, <i>ChemCatChem</i> 14 (18), e202200403, 2022 Wiley, ISSN:1867-3899.
11	A. Shophia Lawrence, B. Sivakumar, A. Dhakshinamoorthy, Detecting Lewis acid sites in metal-organic frameworks by density functional theory, <i>Molecular Catalysis</i> 517, 112042, 2021, Elsevier, ISSN: 2468-8274.
10	N. Saranya, A. Shophia Lawrence, B. Sivakumar, An inventory system with replacement and refurbishment of failed items, <i>Communications in Statistics-Theory and Methods</i> , 1-23, 2021, Taylor & Francis, ISSN: 0361-0926.
9	N. Saranya, A. Shophia Lawrence, A stochastic inventory system with replacement of perishable items, <i>Opsearch</i> 56 (2), 563-582, 2019, Springer, ISSN: 0975-320.
8	C. Suganya, A. Shophia Lawrence, B. Sivakumar, A Finite-Source Inventory System with Service Facility, Multiple Vacations of Two Heterogeneous Servers, <i>International Journal of Information and Management Sciences</i> 29 (3), 257-277, 2018, ISSN: 2312-2668.
7	I. Padmavathi, A. Shophia Lawrence, B. Sivakumar, A finite-source inventory system with postponed demands and modified M vacation policy, <i>Opsearch</i> 53 (1), 41-62, 2016, Springer, ISSN 0975-320.

6	V. Radhamani, B. Sivakumar, A. Shophia Lawrence, A comparative study on replenishment policies of inventory system with postponed demands, <i>International Journal of Systems Science: Operations & Logistics</i> 3 (1), 13-33, 2016, Taylor & Francis, ISSN: 2330-2674.
5	A.Shophia Lawrence, B. Sivakumar, G. Arivarignan, A perishable inventory system with service facility and finite source, <i>Applied Mathematical Modelling</i> 37 (7), 4771-4786, 2013, Elsevier ISSN: 1872-8480.
4	A. Shophia Lawrence, B. Sivakumar, G. Arivarignan, A discrete time deteriorating inventory system with geometric lead time, <i>International Journal of Operational Research</i> , 18 (4), 484-498, 2013, InderScience Publishers, ISSN: 1745-7653.
3	Book Chapter A.Shophia Lawrence, G. Arivarignan, A discrete time inventory system with dmap demands <i>New Developments in Mathematics Research</i> , pp. 105–118, 2012, NOVA Science Publishers, ISBN: 978-1-61324-252-0.
2	Paul Manuel, A. Shophia Lawrence, G. Arivarignan, A stochastic perishable inventory system with random supply quantity, <i>International journal of information and management sciences</i> 18 (4), 317, 2007, ISSN: 2312-2668.
1	A. Shophia Lawrence, B. Sivakumar, G. Arivarignan, Perishable inventory system with random supply quantity and negative demands, <i>Advanced Modeling and Optimization</i> 8 (2), 151-168, 2006, ICI Publishing House, Bucharest, Romania, ISSN: 1841-4311.

Papers Published in Other Journals

3	N. Saranya, A. Shophia Lawrence, An Inventory System with replacement and postponed demands, <i>International Journal of Pure and Applied Mathematics</i> 119 (13), 181-189. 2018, ISSN: 1314-3395.
2	A.Shophia Lawrence, G. Arivarignan, A discrete time inventory system with DMAP demands, <i>International Journal of Mathematics, Game Theory and Algebra</i> , 19(5-6), 343-352, 2011,ISSN: 1060-9881.
1	A.Shophia Lawrence, B. Sivakumar and G. Arivarignan, A continuous review inventory system with renewal demands and full backlogging, <i>IAPQR Transactions</i> 36(1), 69-94, 2011, ISSN: 0970-0102.