

## Profile

Name : R. Rohini  
Date of Birth : 01-12-1982  
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Designation : Assistant Professor  
Department : Mathematics  
Area of Specialization : INVENTORY



### Academic details:

S.No.	Degree	University/ College	Branch	Month & year of Completion	CGPA/ Percentage/ Class
1	Ph.D	CARDAMOM PLANTERS' ASSOCIATION COLLEGE MADURAI KAMARAJ UNIVERSITY	MATHEMATICS	DECEMBER 2018	HIGHLY COMMENDED
2	P.G.D.C.A	SRI ADI CHUNCHANAGIRI WOMEN'S COLLEGE MOTHER TERESA WOMEN 'S UNIVERSITY	COMPUTER APPLICATIONS	APRIL 2010	FIRST
3	M.PHIL	BHARATHIDASAN UNIVERSITY	MATHEMATICS	MARCH 2007	SECOND
4	M.SC	CHIDAMBARAM PILLAI COLLGE FOR WOMEN BHARATHIDASAN UNIVERSITY	MATHEMATICS	APRIL 2005	FIRST
5	B.SC	H.KR.H COLLEGE MADURAI KAMARAJ UNIVERSITY	MATHEMATICS	APRIL 2003	SECOND

### Experience:

S.No.	College	From	To	Duration
1	CPA College	17-06-2019	Till	5 Years 2 Months 20 Days
2	THENI ARTS AND SCIENCE COLLEGE	02-01-2019	31-05-2019	4 Months 29 Days
3	THENI KAMMAVAR SANGAM COLLEGE OF ARTS AND SCIENCE	01-10-2012	28-08-2014	1 Years 11 Months 1 Days
4	SRI ADI CHUNCHANAGIRI WOMEN'S COLLEGE	08-06-2009	28-09-2012	3 Years 3 Months 23 Days

### Details of the Orientation and Refresher Courses attended:

S.No.	Course	Academic Staff College	Period
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1	Online Refresher Course	Teaching Learning Centre, Ramanujan College University of Delhi	28 January- 11 February, 2023
2	Online Orientation Course	UGC-HRDC MADURAI KAMARAJ UNIVERSITY,MADURAI	01.12.2021 TO 30.12.2021 (30 D)
3	Other	UGC-SWAYAM-GRAPH THEORY	20.01.2021 TO 11.04.2021

### List of Publications:

1. R. Rohini, "ANALYSIS OF TWO- ECHELON INVENTORY SYSTEM WITH TWO DEMAND CLASSES", INTERNATIONAL JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, VOLUME 12, 1819-4996, page no. 255-271.
2. R. Rohini, "ANALYSIS OF TWO- ECHELON INVENTORY SYSTEM WITH TWO DEMAND CLASSES WITH DIRECT DEMAND", INTERNATIONAL JOURNAL OF MATHEMATICS AND ITS APPLICATIONS, VOLUME 6 ,ISSUE 3, 2347-1557, page no. 261-271.
3. R. Rohini, "OPTIMIZATION OF TWO-ECHELON PERISHABLE INVENTORY SYSTEM WITH TWO DEMAND CLASSES", INTERNATIONAL JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, VOLUME 12, 1819-4966, page no. 588-599.
4. R. Rohini, "ANALYSIS OF TWO-ECHELON INVENTORY SYSTEM WITH TWO DEMAND CLASSES WITH PARTIAL BACKLOGGING", INTERNATIONAL JOURNAL OF FUZZY MATHEMATICAL ARCHIVE, VOLUME 15 , 2320-3242(P), page no. 137-147.
5. R. Rohini, " A STUDY ON TWO-ECHELON SYSTEM WITH TWO DEMAND CLASSES WITH DIRECT DEMAND AND PARTIAL BACKLOGGING", INTERNATIONAL JOURNAL OF PURE AND APPLIED MATHEMATICS, VOLUME 119 NO.12, 1314-3395, page no. 3081-3091.
6. A. Anu Priyadarshini, R. Rohini and K. Krishnan, " Analysis of HIV Infection of CD4+ T-Cells with Distributed Delays", International Journal of Difference Equations (IJDE), Volume 16, Number 1, (2021), ISSN 0973-6069,, page no. 137-168.
7. R.Ramya, R. Rohini and K.Krishnan, " Sensitivity Analysis of the HIV-1 Infection Model with Saturated CTL Immune Response", Mathematical Statistician and Engineering Applications, Vol 71 No. 4 (2022), ISSN: 2094-0343 2326-9865, page no. 2398 - 241.

### Participation:

1. International level Webinar on " EMERGING TRENDS IN MATHEMATICS ", September 13, 2023, JAYARAJ ANNAPACKIAM COLLEGE FOR WOMEN(AUTONOMOUS), PERIYAKULAM.
2. University level Faculty Development Programme on " Naan Mudhalvan Program ", July 24-28, 2023, MADURAI KAMARAJ UNIVERSITY, MADURAI.
3. State level Workshop on " Intellectual Property Right ", February 22, 2023, CARDAMOM PLANTERS' ASSOCIATION COLLEGE, BODINAYAKANUR.
4. State level Workshop on " Data Documentation of AQAR and SSR under Revised Assessment and Accreditation Framework ", December 14-15, 2022, Rajapalayam Rajas College, Rajapalayam.
5. International level Webinar on " Emerging Trends in Application of Mathematics ", October 27, 2022, JAYARAJ ANNAPACKIAM COLLEGE FOR WOMEN(AUTONOMOUS), PERIYAKULAM.
6. State level IN-SERVICE TEACHER TRAINING PROGRAMME on " IN-SERVICE TEACHER TRAINING PROGRAMME IN MATHEMATICS ", May 5-6, 2022, SRI MEENAKSHI GOVERNMENT ARTS COLLEGE FOR WOMEN(A), MADURAI.
7. FACULTY DEVELOPEMENT PROGRAMME on "ENHANCING TEACHER'S COLLECTIVE EFFICACY DURING PANDAMIC ", March 17, 2022, Cardamom Planters' Association College, Bodinayakanur.
8. Online Faculty Development Programme on " FIVE DAY ONLINE FACULTY DEVELOPEMENT PROGRAMME ON MATHEMATICS ", 28/01/2022 - 01/02/2022, SREE NARAYANA GURU COLLEGE, COIMBATORE.

9. International level Webinar on " RECENT ADVANCES IN PURE AND APPLIED MATHEMATICS ", January 27, 2022, JAYARAJ ANNAPACKIAM COLLEGE FOR WOMEN, PERIYAKULAM.
10. Webinar on " FUZZY NUMBERS AND EXCELLENT GRAPHS ", January 19, 2022, SETHU INSTITUTE OF TECHNOLOGY, PULLOOR-KARAIATTI.
11. International level Conference on " Recent Trends In Mathematical science ", December 29-30, 2021, S.P.M.SCIENCE & GILANI ARTS COMMERCE COLLEGE , YAVATMAL.
12. Webinar on " Real Time In Applications Of Mathematics In Engineering ", April 28, 2021, ARASU ENGINEERING COLLEGE, KUMBAKONAM.
13. Faculty Development Programme on " TEACHING LEARNING AND RESEARCH ", April 4-8, 2021, C.P.A.COLLEGE, , BODINAYAKANUR.
14. Webinar on " A Part Of Continuum Mechanics In Our Day To Day Life ", March 23, 2021, ARASU ENGINEERING COLLEGE , KUMBAKONAM.
15. National level Webinar on " Applications of Mathematics ", March 5, 2021, St.Maryâ€™s College(Autonomous), Thoothukudi-628001.
16. State level Seminar on "How To Write a Mathematical Document In Latex ", February 3, 2021, HINDUSTAN COLLEGE OF ARTS AND SCIENCE, COIMBATORE.
17. Webinar on " Research Methodology in Mathematics ", December 22, 2020, Nadar Saraswathi College of Arts and Science, Theni.
18. State level Webinar on "INTRODUCTION TO MULTIVARIABLE CALCULUS ", August 8, 2020, KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION, KRISHNANKOIL.
19. Online Faculty Development Programme on "E-CONTENT DEVELOPMENT ", July 6-8, 2020, CARDAMOM PLANTERS' ASSOCIATION COLLEGE, BODINAYAKANUR.
20. State level Webinar on " QUALITATIVE ANALYSIS OF STOCHASTIC EPIDEMIC MODELS ", July 4, 2020, GOVERNMENT ARTS COLLEGE FOR WOMEN, NILAKOTTAI.
21. State level Webinar on " CONSTRUCTION OF MATHEMATICAL MODELING IN EPIDEMIOLOGY ", June 17, 2020, GOVERNMENT ARTS COLLEGE FOR WOMEN, NILAKOTTAI.
22. National level Seminar on " REAL ANALYSIS AND CRYPTOGRAPHY ", February 6, 2020, H.K.R.H. COLLEGE, , UTHAMAPALAYAM.
23. ONEDAY COURSE on " RESEARCH METHODOLOGY IN MATHEMATICAL SCIENCE ", October 19, 2016, CARDAMOM PLANTERS' ASSOCIATION COLLEGE, BODINAYAKANUR.

### **Presentation:**

1. International level Seminar on "ONEDAY INTERNATIONAL SEMINAR ON ALGEBRA AND APPLIED MATHEMATICS ", January 11, 2018, HAJEE KARUTHA ROWTHER HOWDIA COLLEGE, UTHAMAPALAYAM., presented title as " INVENTORY SYSTEM IN SUPPLY CHAIN WITH TWO DEMAND CLASSES WITH PARTIAL BACKLOGGING".
2. National level Seminar on "RECENT TRENDS IN APPLIED MATHEMATICS ", December 13, 2017, JAYARAJ ANNAPACKIAM COLLEGE FOR WOMEN (AUTONOMOUS), PERIYAKULAM., presented title as "OPTIMIZATION OF TWO -ECHELON PERISHABLE INVENTORY SYSTEM WITH TWO DEMAND CLASSES ".
3. National level Conference on "MATHEMATICAL MODELLING (NCOMM-2017) ", March 30-31, 2017, CARDAMOM PLANTERS' ASSOCIATION COLLEGE, BODINAYAKANUR., presented title as " ANALYSIS OF TWO-ECHELON INVENTORY SYSTEM WITH TWO DEMAND CLASSES".
4. International level Conference on "INTERNATIONAL CONFERENCE ON RECENT TRENDS IN APPLIED MATHEMATICS ", January 24-25, 2017, SRI S. RAMASAMY NAIDU MEMORIAL COLLEGE, SATTUR., presented title as "TWO-ECHELON INVENTORY SYSTEM WITH TWO DEMAND CLASSES WITH DIRECT DEMAND AND PARTIAL BACKLOGGING".