

Profile

Name : Dr. K. Krishnan
Date of Birth : 07-05-1974
Address (Residential) : 2w, sethuram nagar, 1st street, park stop, Bodinayakanur
Email : drkkmaths@gmail.com,
krishnan.k@cpacollege.org
Mobile No. : 9994193205
Designation : Associate Professor
Department : Mathematics
Area of Specialization : Stochastic Models, Delay differential equations



Academic details:

S.No.	Degree	University/ College	Branch	Month & year of Completion	CGPA/ Percentage/ Class
1	Ph.D.	Madurai Kamaraj University, Madurai	Mathematics	June, 2008	Highly Commanded
2	P.G.D.C.A.	MSS WAKF BOARD College, Madurai. & Madurai Kamaraj University, Madurai	Computer Science	May, 2001	Second Class
3	M.Phil.	School of Mathematics, Madurai Kamaraj University, Madurai	Mathematics	December, 1997	Second Class
4	M.Sc.	C. P. A. College, Bodinayakanur. & Madurai Kamaraj University, Madurai	Mathematics	April, 1996	First Class
5	B.Sc.	C. P. A. College, Bodinayakanur. & Madurai Kamaraj University, Madurai	Mathematics	April, 1994	First Class

Experience:

S.No.	College	From	To	Duration
1	CPA College	06-12-2007	Till	16 Years 8 Months 9 Days
2	R.V.S. College of Engineering and Technology	30-06-2006	05-12-2007	1 Years 5 Months 8 Days
3	CPA College	25-07-1998	30-06-2006	7 Years 11 Months 12 Days

Details of the Orientation and Refresher Courses attended:

S.No.	Course	Academic Staff College	Period
1	Refresher Course	Teaching Learning Centre, Ramanujan College University of Delhi	02.06.2021 to 16.06.2021
2	Other	UGC-SWAYAM-GPAPH THEORY	20.01.2021 to 18.10.2021
3	Short Term Course	Bharathidasan University, Trichy	22/02/2018 to 28/02/2018
4	Refresher Course	Madurai Kamaraj University, Madurai	01/02/2013 to 21/02/2013
5	Refresher Course	Madurai Kamaraj University, Madurai	23/02/2011 to 15/03/2011
6	Orientation Course	Madurai Kamaraj University, Madurai	15/07/2009 to 11/08/2009

Award:

S.No.	Date	Award name	Sponsor Organization
1	28-04-2023	RESEARCH PAPER PUBLICATION- SPECIAL CASH AWARD	CARDAMOM PLANTERS' ASSOCIATION COLLEGE, BODINAYAKANUR
2	28-04-2023	BRINGING OUT A Ph.D. SCHOLAR - SPECIAL CASH AWARD	CARDAMOM PLANTERS' ASSOCIATION COLLEGE, BODINAYAKANUR
3	08-06-2022	RESEARCH PAPER PUBLICATION- SPECIAL CASH AWARD	CARDAMOM PLANTERS' ASSOCIATION COLLEGE, BODINAYAKANUR
4	08-06-2022	RESEARCH PAPER PUBLICATION- SPECIAL CASH AWARD	CARDAMOM PLANTERS' ASSOCIATION COLLEGE, BODINAYAKANUR
5	08-06-2022	BRINGING OUT A Ph.D. SCHOLAR - SPECIAL CASH AWARD	CARDAMOM PLANTERS' ASSOCIATION COLLEGE, BODINAYAKANUR
6	08-06-2022	RESEARCH PAPER PUBLICATION- SPECIAL CASH AWARD	CARDAMOM PLANTERS' ASSOCIATION COLLEGE, BODINAYAKANUR
7	08-06-2022	BRINGING OUT A Ph.D. SCHOLAR - SPECIAL CASH AWARD	CARDAMOM PLANTERS' ASSOCIATION COLLEGE, BODINAYAKANUR

Major / Minor Project :

S.No.	Project	Title	Funding Agency	Period	Status	Date	Grant Received
1	Minor	PRODUCTION-INVENTORÄ □ SYSTEM IN SUPPLY CHAIN	UGC(SERO) Ref. No. F. MRP-3344/10	1 year	Completed	01-12-2012	70000

Grant Received :

S.No.	Name of grant	Title	Funding Agency	Date of sanction	Date Event	Grant Received
1	Conference	National Conference on Mathematical Modelling (NCOMM 2017)	UGC Ref. No: SEM-2666/16-17/SC(UGC-SERO)	07-02-2017	30-03-2017	Rs. 137500
2	Conference	National Conference on Mathematical Modelling (NCOMM 2014)	UGC Ref. No: SEM-2196/13-14	08-12-2014	25-09-2014	Rs. 137000

List of Publications:

1. R. Jayanthan, M. C. Maheswari and K. Krishnan, " Local Stability Analysis of Delayed Seir Model", Mathematical Statistician and Engineering Applications (MSEA), Vol. 71 No. 4 (2022), ISSN: 2094-0343, page no. 2371-2382.
2. 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 (MSEA), Vol. 71 No. 4 (2022), ISSN: 2094-0343, page no. 2398-2415.
3. R. Ramya, M. C. Maheswari and K. Krishnan, " Modified HIV-1 infection model with delay in saturated CTL immune response", Communications in Mathematical Biology and Neuroscience, Vol 2022 (2022), ISSN: 2052-2541, page no. 1-16.
4. R. Ramya and K. Krishnan, " Stability analysis of vector-borne diseases model with treatment via fractional-order", Journal of Mathematical and Computational Science, Vol 12 (2022), ISSN: 1927-5307, page no. 1-14.
5. R.JAYANANTHAN and K. Krishnan, "ANALYSIS OF DYNAMICAL SYSTEM ON SEIR EPIDEMIC MODEL", International Conference on Recent Advances of Pure and Applied Mathematics with industrial, Department of Mathematics,

6. R. Jayananthan and K. Krishnan, " Stability analysis of delayed SIR model with logistic growth and bilinear incidence rate", *Journal of Mathematical and Computational Science*, Volume 12, ISSN: 1927-5307, page no. 1-18.
7. A.ANUPRIYADHARSHINI and K. Krishnan, " STABILITY ANALYSIS OF HIV-1 DYNAMICS UNDER DISTINCT HAART REGIMES", *Journal of Mathematical and Computational Science*, Vol.11. No.3, ISSN: 1927-5307, page no. 3080-3094.
8. R.Ramya, A.Anu Priyadharshini, R.Jeyananthan and K. Krishnan, " Stability Analysis of Delay Differential Systems with Delay Dependent Parameter For Some HIV Models", *International Conference on Mathematical Applications (ICMA-21)* , Institute for Scientific and Engineering Research, March 28, 2021, page no. 50-56.
9. K. Krishnan and D.Sunitha, " DYNAMIC ANALYSIS OF HUMORAL IMMUNITY HIV FOR BOTH VIRUS-TO-CELL AND CELL-TO-CELL TRANSMISSIONS WITH RTI", *J. Math. Comput. Sci*, <https://doi.org/10.28919/jmcs/5372>, ISSN: 1927-5307, page no. 1381-1399.
10. K. Krishnan and D.SUNITHA, " Delay-Induced Model For Viral-Immune Interaction With Saturated Infection Rate", *International Conference on Applied Mathematics and Science* , National Institute For Engineering And Research , January 24, 2021, page no. 52-58.
11. Doddala Sunitha and K. Krishnan, " SENSITIVITY ANALYSIS OF HIV-1 VIRAL INTERACTION MODEL WITH SATURATED INFECTION RATE", *Advances in Mathematics: Scientific Journal* , Vol.9. No.10, ISSN: 1857-8365 (printed); 1857-8438 (electronic), page no. 7757-7764.
12. Doddala Sunitha and K. Krishnan, " Application of Delay Differential Equations in HIV Infection ", *International Journal of Research and Analytical Reviews (IJRAR)*, Volume 6, Issue 2 , E-ISSN 2348-1269, P- ISSN 2349-5138, page no. 366-372.
13. B.Amala Jasmine and K. Krishnan, " Analysis of Two Echelon Perishable Inventory System in Supply Chain with Partial Backlogging ", *International Journal of Scientific Research in Computer Science Applications and Management Studies* , vol. 8. No. 1, *International Journal of Scientific Research in Computer Sci*, page no. 1-5.
14. K. Marisamy and K. Krishnan, " A Study on Substitutable Inventory System in Supply Chain with Partial Backlogging ", *International Journal of Pure and Applied Mathematics*, Volume 119, Issue 12, ISSN: 1314-3395, page no. 14675-1468.
15. K. Marisamy and K. Krishnan, " A Two Echelon Subsubtable Inventory Model for Deteriorating Items ", *Intern. J. Fuzzy Mathematical Archive* , Volume 15, Issue 2, ISSN: 2320-3242 (P), 2320-3250 (online) , page no. 177-187.
16. B.Amala Jasmine and K. Krishnan, " Modelling and Analysis of Compliment Inventory System in Supply Chain with Partial Backlogging ", *Intern. J. Fuzzy Mathematical Archive* , , Vol. 15, No. 2, ISSN: 2320-3242 (P), 2320-3250 (online), page no. 157-166 .
17. S. Mohamed Basheer, R. Karthikeyan and K. Krishnan, " Continuous Review Two-Echelon (s,S) Inventory System with Partial Backlogging", *Intern. J. Fuzzy Mathematical Archive* , Volume 15, Issue 2 (2018), ISSN: 2320-3242 (P), 2320-3250 (online) , page no. 149-156.
18. R. Rohini and K. Krishnan, "Analysis of Two-Echelon Inventory System with Two Demand Classes with Partial Backlogging ", *Intern. J. Fuzzy Mathematical Archive*, Volume 15, Issue 2 (2018), ISSN: 2320-3242 (P), 2320-3250 (online), DOI: <http://d>, page no. 137-147.
19. R. Rohini and K. Krishnan, " Analysis of Two-Echelon Inventory System With Two Demand Classes With Direct Demand", *International Journal of Mathematics And its Applications*, Volume 6, Issue 3 (2018), ISSN: 2347-1557, page no. 261-271.
20. K. Marisamy and K. Krishnan, " Analysis of substitutable inventory system in supply chain with direct demand and partial backlogging", *International Journal of Statistics and Applied Mathematics*, Volume 3, Issue 2, ISSN: 2456-1452 , page no. 331-335.
21. B.Amala Jasmine and K. Krishnan, " PERFORMANCE ANALYSIS OF TWO ECHELON PERISHABLE INVENTORY SYSTEM WITH LOST SALE", *International Journal of Research in Information Technology*, Volume 2, Issue 2,, ISSN (Online): 2001-5569, page no. 1-11.
22. R.Rohini and K. Krishnan, "A Study on Two-Echelon Inventory System with Two Demand Classes with Direct Demand and Partial Backlogging ", *International Journal of Pure and Applied Mathematics*, Volume 119 No. 12 , ISSN: 1314-3395 (on-line version), page no. 3081-3091.
23. R.Karthikeyan and K. Krishnan, " ANALYSIS OF TWO ECHELON INVENTORY SYSTEM WITH JOINT ORDERING POLICY ", *International Journal of Applied Mathematics & Statistical Sciences (IJAMSS)* ,, Vol. 6, Issue 1, ISSN(P): 2319-3972; ISSN(E): 2319-3980, page no. 43-54.
24. B.Amala Jasmine and K. Krishnan, " DEVELOPING AND ANALYZING OF PERISHABLE INVENTORY SYSTEM IN SUPPLY CHAIN WITH DIRECT DEMAND AND LOST SALE ", *International Journal of Computational and Applied Mathematics* . , Volume 12, Number 1, ISSN 1819-4966, page no. 01-10.

25. R. Nagarajan, P. Krishnapriya and K. Krishnan, " ANALYSIS OF PATHOGEN-IMMUNE INTERACTION DYNAMICS WITH THREE TIME DELAYS ", Far East Journal of Applied Mathematics, vol. 9. No. 1, ISSN: 0972-0960 , page no. 1-7.
26. R.Rohini and K. Krishnan, " ANALYSIS OF TWO-ECHELON INVENTORY SYSTEM WITH TWO DEMAND CLASSES ", International Journal of Computational and Applied Mathematics. , Volume 12, Number 1, ISSN 1819-4966, page no. 255-271.
27. R.Rohini, T.Dhivyamaheswari and K. Krishnan, " OPTIMIZATION OF TWO-ECHELON PERISHABLE INVENTORY SYSTEM WITH TWO DEMAND CLASSES ", International Journal of Computational and Applied Mathematics. , Volume 12, Number 1, ISSN 1819-4966, page no. 588-599.
28. S. Mohamed Basheer, R. Karthikeyan and K. Krishnan, "OPTIMIZATION OF TWO-ECHELON INVENTORY SYSTEM WITH TWO SUPPLIERS AND DIRECT DEMAND", International Journal of Computational and Applied Mathematics, Volume 12, Issue 1(2017), ISSN: 1819-4966, page no. 289 - 296.
29. K. Krishnan and M.C.Maheswari, " Variational Iterational method for solving IVGTT glucose-insulin model with two distributed delays ", International Journal of Computational and Applied Mathematics., Volume 12, Number 2 , ISSN 1819-4966, page no. 175-186.
30. S. Mohamed Basheer and K. Krishnan, " COST OPTIMIZATION OF INVENTORY SYSTEM IN TWO-ECHELON WITH TWO SUPPLIERS ", International Journal of Applied and Advanced Scientific Research, Special Issue, February - 2017, ISSN: 2456 , page no. 35-39.
31. B.Amala Jasmine and K. Krishnan, " MODELLING AND ANALYSIS OF COMPLIMENT INVENTORY SYSTEM IN SUPPLY CHAIN WITH PARTIAL BACKLOGGING ", International Journal of Applied and Advanced Scientific Research , , Spl.Issue, ISSN: 2456 â€“ 3080, page no. 29-34.
32. K. Marisamy and K. Krishnan, "ANALYSIS OF SUBSTITUTABLE INVENTORY SYSTEM IN SUPPLY CHAIN ", International Journal of Computational and Applied Mathematics, Volume 12, Issue 1 (2017), ISSN: 1819-4966, page no. 661 - 672.
33. B.Amala Jasmine and K. Krishnan, "ANALYSIS OF COMPLIMENT INVENTORY SYSTEM IN SUPPLY CHAIN WITH LOST SALE ", Int. J. of Mathematical Sciences and Applications, , Vol. 6, No. 2,, ISSN: 2230-9888, page no. 935-944.
34. R. Satheeshkumar and K. Krishnan, " Analysis of Retrial Demand Inventory System with Partial Backlogging in Supply Chain ", IOSR Journal of Mathematics (IOSR-JM) , Volume 12, Issue 6 Ver. II , e-ISSN: 2278-5728, p-ISSN: 2319-765X, page no. 74-84.
35. M.C.Maheswari, P. Krishnapriya, K. Krishnan and M.Pitchaimani, " A mathematical model of HIV-1 infection within host cell to cell viral transmissions with RTI and discrete delays", J. Appl. Math. Comput., DOI 10.1007/s12190-016-1066-z, ISSN 1598-5865,
36. R. Nagarajan, K. Krishnan and P. Krishnapriya, " OPTIMAL CONTROL OF HIV-1 INFECTION MODEL WITH LOGISTIC GROWTH USING DISCRETE DELAY", Nonlinear Functional Analysis and Applications, Vol. 22, No. 2 , ISSN: 1229-1595(print), 2466-0973(online), page no. 301-309.
37. M.C.Maheswari, K. Krishnan and P. Krishnapriya, " Analysis of Time Delay for HIV-1 Infection Model", British Journal of Mathematics & Computer Science, vol.16. Issue 2, ISSN: 2231-0851, page no. 01-14.
38. R.Karthikeyan and K. Krishnan, " Performance Analysis of Two Echelon Perishable Inventory System with Joint Ordering Policy", International Journal of Mathematics And its Applications, Volume 4, Issue 4 , ISSN: 2347-1557, page no. 101-110.
39. S. Mohamed Basheer, R. Karthikeyan and K. Krishnan, "Two-Echelon Perishable Inventory System with Two Suppliers ", International Journal of Pure and Applied Mathematical Sciences, Volume 9, Issue 2 (2016), ISSN: 0972-9828, page no. 133-144.
40. R. Satheeshkumar and K. Krishnan, " Analysis of inventory system with retrial and direct demands in supply chain ", International Conference on Mathematical Sciences , , December 1-3, 2015, ISBN â€“ 978-93-5107-261-4 , page no. 754-758.
41. R. Nagarajan, K. Krishnan and C. Monica, " Stability Analysis of a Glucose Insulin Dynamic System Using Matrix Lambert V Function", British Journal of Mathematics & Computer Science, 8(2), ISSN: 2231-0851, page no. 112-120.
42. M.C.Maheswari, K. Krishnan and C. Monica, " Eigenvalues for HIV-1 dynamic model with two delays ", IOSR Journal of Mathematics (IOSR-JM), Volume 11, Issue 1 Ver. II, e-ISSN: 2278-5728, p-ISSN: 2319-765X, page no. 34-41.
43. M. Rameshpand, C. Periyasamy and K. Krishnan, " Analysis of Two-Echelon Perishable Inventory System with Direct and Retrial demands ", IOSR Journal of Mathematics (IOSR-JM) , Volume 10, Issue 5 Ver. I (Sep-Oct. 2014),, e-ISSN: 2278-5728, p-ISSN: 2319-765X, page no. 51-57.
44. M. Rameshpand, C. Periyasamy and K. Krishnan, " Stochastic Analysis of Inventory System with Two Independent Poisson Demands ", Intenational Journal of Applied Mathematical Sciences , Volume 7, Number 1 , ISSN 0973-0176, page no. 51-58.

45. R. Satheeshkumar, M. Rameshpandi and K. Krishnan, " Partial Backlogging Inventory System in Two-Echelon with Retrial and Direct Demands ", International Journal of Mathematical Sciences, Vol., Issue. 1 , Vol.5, Issue.1 , ISSN: 2051-5995, , page no. 1-7.
46. S.Priscilla Jane, K. Krishnan, A.Nagarjan and C.Elango, " MODELING AND ANALYSIS OF TWO-COMMODITY PERISHABLE INVENTORY SYSTEM IN SUPPLY CHAIN", International J. of Math. Sci. & Engg. Appls. (IJMSEA), Vol. 8 No. IV , ISSN 0973-9424, , page no. 67-82.
47. S.Kumaresan, R.Bakthavachalam, K. Krishnan and C.Elango, " Perishable inventory system with (s, Q) policy in supply chain ", International Journal of Mathematics and Soft Computing, Vol.4, No.2, ISSN Print : 2249 " 3328 ISSN Online: 2319 " 5215 , page no. 213-224.
48. S.Kumaresan, K. Krishnan and c.Elango, " Stochastic Perishable Inventory System in Two-Echelon ", International Journal of Computational and Applied Mathematics., Volume 9, Number 1, ISSN 1819-4966, page no. 31-40.
49. M. Rameshpand, C. Periyasamy and K. Krishnan, " Modeling and Analysis of Perishable Inventory System with Retrial demands in Supply Chain ", Journal of Advances in Mathematics , vol. 9. No. 1, ISSN 2347-1921, page no. 1763-1773.
50. R.Ramya, A.Anupriyadharshini, K.Jayanathan and K. Krishnan, " Stability Analysis of Delay Differential Systems with Delay Dependent Parameter for Some HIV Models ", International Journal of Science, Engineering and Management (IJSEM), Vol 6, Issue 4, , 2456 -1304, page no. 71-77.
51. A.AnuPriyadharshini, 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). , 0973-6069, , page no. 137-168.
52. A.AnuPriyadharshini and K. Krishnan, " MATHEMATICAL ANALYSIS OF HIV INFECTION OF CD4 + T-CELLS WITH DISCRETE DELAYS", Journal of Mathematical and Computational Science, 12(2022) <https://doi.org/10.28919/jmcs/6925>, 1927-5307, page no. 1-31.

Participation:

1. University level Workshop on "NIRF -2024 PREPARATORY WORKSHOP ", October 4, 2023, MADURAI KAMARAJ UNIVERSITY, MADURAI.
2. International level Webinar on " EMERGING TRENDS IN MATHEMATICS ", September 13, 2023, JAYARAJ ANNAPACKIAM COLLEGE FOR WOMEN, PERIYAKULAM.
3. State level Workshop on "Intellectual Property Rights (IPR) ", February 22, 2023, Cardamom Planters' Association College, Bodinayakanur.
4. University level Faculty Development Programme on " DATA ANALYSIS WITH TABLEAU ", February 21-25, 2023, MADURAI KAMARAJ UNIVERSITY, MADURAI.
5. University level Workshop on "NIRF INDIA RANKING - 2023 ", December 30, 2022, Madurai Kamaraj University, Madurai.
6. National level Workshop on " "NAAC Sponsored Two Days National Workshop on Innovative Practices for Data Documentation of AQAR and SSR under Revised Assessment and Accreditation Framework ", December 14-15, 2022, Rajapalayam Rajusâ€™ College, Rajapalayam, Tamil Nadu in association with IQAC Cluster, India , Rajapalayam.
7. National level Online Faculty Development Programme on " NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION ", November 10, 2022, INTELLECTUAL PROPERTY OFFICE, INDIA, CHENNAI.
8. National level Webinar on "Emerging Trends in Application of Mathematics ", October 27, 2022, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam.
9. International level Conference on " International Conference on Recent Advances of Pure and Applied Mathematics ", April 11, 2022, Department of Mathematics, Arul Anandar College (Autonomous), Karumathur, Karumatur.
10. International level Webinar on " RECENT ADVANCES IN PURE AND APPLIED MATHEMATICS ", January 27, 2022, J.A COLLEGE FOR WOMEN, PERIYAKULAM.
11. Webinar on " Fuzzy Numbers and Excellent Graphs ", January 19, 2022, Sethu Institute of Technology, Pulloor - Kariapatti, Madurai.
12. International level Conference on " International Virtual Conference On Recent Trends in Mathematical Sciences ", October 29-30, 2021, Department of Mathematics, Phulsing Naik Mahavidyalaya, Pusad, Dist. Yavatmal & Department of Mathematics, S.P.M. Science & Gilani Arts Commerce College, Ghatanji, Dist. Yavatmal (M.S.) India, Ghatanji, Dist. Yavatmal (M.S.) India.
13. International level Workshop on " Innovative Resources and IPR in Research ", August 10-11, 2021, THE AMERICAN COLLEGE (Autonomous), Madurai.
14. Webinar on " Real Time applications of Mathematics in Engineering ", April 28, 2021, ARASU ENGINEERING COLLEGE, KUMBAKONAM.

15. Webinar on " A PART OF CONTINUUM MECHANICS IN OUR DAY TO DAY LIFE ", March 20, 2021, ARASU ENGINEERING COLLEGE, KYMBAKONAM.
16. National level Conference on " National Webinar on "Applications of Mathematics" ", March 5, 2021, PG and Research Department of Mathematics, St.Mary's College(Autonomous), Thoothukudi-628001., THOOTHUKUDI.
17. National level Webinar on " Applications of Mathematics ", March 5, 2021, St.Mary's College(Autonomous), Thoothukudi-628001..
18. University level Workshop on " MATH IN MATLAB ", February 2, 2021, KARPAGAM ACADEMY OF HIGHER EDUCATION, EACHANARI, COIMBATORE.
19. State level Webinar on " Introduction to Multivariable Calculus ", August 8, 2020, SCHOOL OF ADVANCED SCIENCES DEPARTMENT OF MATHEMATICS, kalasalingam university.
20. State level Webinar on " Qualitative analysis of Stochastic Epidemic models ", July 4, 2020, Govt. Arts College for women, Nilakkotai.
21. State level Webinar on " construction of Mathematical modelling in Epidemiology ", June 17, 2020, Govt. Arts College for women, Nilakkotai.
22. National level Workshop on "WEB APPS FOR DIGITAL LEARNING AND E-CONTENT DEVELOPMENT ", March 5, 2020, Sri Meenakshi Government Arts College for Women, Madurai.
23. State level Workshop on "NAAC ACCREDITATION OF COLLEGES: REVISED ACCREDITATION FRAMEWORK' ", July 29-30, 2019, MADURAI KAMARAJ UNIVERSITY , Madurai.
24. Workshop on " A L G E B R A I C STRUCTURES AND ANALYSIS ", July 23-24, 2015, Cardamom Planters' Association College, Bodinayakanur.
25. International level Workshop on " International Workshop on Matrix Analytic Methods in Stochastic Models ", September 7-9, 2013, DEPARTMENT OF MATHEMATICS AND AMANUJAN CENTRE FOR HIGHER MATHEMATICS, Karaikudi.
26. National level Seminar on " National Seminar on Theoretical Advances in Differential Equations and Applications (TADEA 2013) ", August 23, 2013, School of Mathematics , MADURAI KAMARAJ UNIVERSITY , Madurai.
27. Workshop on " ONE DAY WORK SHOP ON FINANCIAL MATHEMATICS ", March 27, 2013, SCHOOL OF MATHEMATICS , MADURAI KAMARAJ UNIVERSITY , Madurai.
28. National level Conference on " UGC SPONSORED NATIONAL CONFERENCE ON APPLICABLE MATHEMATICS ", December 20-21, 2011, JAYARAJ ANNAPACKIAM COLLEGE FOR WOMEN (AUTONOMOUS) , PERIYAKULAM.

Presentation:

1. International level Conference on "International Virtual conference on Mathematical modelling analysis and computing conference - 2021 ", August 7-8, 2021, Thiruvalluvar University, Vellore., presented title as " stability analyses of delayed SIR model with logistic growth and bilinear incidence rate".
2. International level Conference on "International Conference on Mathematical Applications (ICMA-21) ", March 28, 2021, Institute for Scientific and Engineering Research, Coimbatore, India., presented title as " "STABILITY ANALYSIS OF DELAY DIFFERENTIAL SYSTEMS WITH DELAY DEPENDENT PARAMETER FOR SOME HIV MODELS"".
3. National level Seminar on "Recent Trends In Graph Theory & Mathematical Modeling ", February 5, 2021, Sethu Institute of Technology, Pulloor, kariapatti, Madurai., presented title as "Dynamic Analysis Of Humoral Immunity HIV For Both Virus-To-Cell And Cell-To-Cell Transmissions With RTI".
4. International level Conference on "International Conference on Applied Mathematics and Science - (ICAMS-21) ", January 24, 2021, NIER-NATIONAL INSTITUTE FOR ENGINEERING AND RESEARCH, Tiruchengode, India., presented title as "Delay-induced model for viral-immune interaction with saturated infection rate`".
5. International level Conference on "nd International Conference On Contemporary Approaches In Mathematics And Emerging Engineering Trends ", April 26-27, 2018, VINAYAKA MISSION'S RESEARCH FOUNDATION, AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY & , Chennai., presented title as "A study on Inventory System in Supply Chain with Partial Backlogging and Direct Demand".
6. National level Seminar on "ugc sPONSORED nATIONAL sEMINAR ON mATHEMATICAL mODELLING ", September 2, 2016, DE V A N G A ARTS COLLEGE, ARUPPUKOTTAI ., presented title as " STOCHASTIC INVENTORY MODELS".
7. University level Symposium on "RECENT TRENDS IN DYNAMICAL SYSTEMS AND MATHEMATICAL MODELLING ", September 25-27, 2013, The Ramanujan Institute for Advanced Study in Mathematics , uNIVERSITY OF mADRAS, Chennai.,

presented title as " ANALYSIS OF TWO ECHELON INVENTORY SYSTEM WITH RETRAIL DEMANDS".

Resource Person:

1. CAS Subject Expert on " CAS ", May 6, 2024, CPA College, Bodi.
2. Guest Lecture on " Mathematics Association ", March 1, 2024, Govt. Arts and Science College, Aundipatty.
3. Seminar on "Introduction to queuing systems ", December 17, 2021, Hajee Karutha Rowther Howdia College, Uthamapalayam.
4. Inaugural Function on "Modeling with Differential Equation ", December 2, 2021, Thiravium College of Arts & Science for Women, Periyakulam.
5. Guest Lecture on " ", September 9, 2020, VVV. COLLEGE FOR WOMEN, VIRUDHUNAGAR.
6. National level Seminar on " one day national seminar on REAL ANALYSIS & C R Y P T O G R A P H Y ", February 6, 2020, Hajee Karutha Rowther Howdia College , Uthamapalayam.
7. State level Seminar on " ONE DAY STATE LEVEL SEMINAR ON RECENT DEVELOPMENT IN MATHEMATICS ", March 21, 2018, M.V.MUTHIAH GOVT. ARTS COLLEGE FOR WOMEN, DINDIGUL.
8. International level Inaugural Function on " ", March 7, 2018, Fatima College , Madurai.
9. International level Guest Lecture on " ", December 8, 2016, N.S.College, Theni, Theni.
10. Subject Expert on "Subject Expert on the Interview board ", May 12, 2014, Jayaraj Annapackiam College For Women (Autonomous), Periyakulam, Theni.

Programmes Organized:

S.No.	Position	Programme	Date	Name	Institution	Place
1	Secretary	Workshop	February 22, 2023	Intellectual Property Rights (IPR)	Cardamom Planters' College	Bodinayakanur
2	Convener	Conference	March 30-31, 2017	Mathematical Modelling - 2017	C.P.A. College	Bodinayakanur
3	Convener	Conference	September 25-26, 2014	Mathematical Modelling - 2014	C.P.A. College	Bodinayakanur

Membership :

1. Coordinator - NIRF, 2021-10-28 (1 Year), C.P.A. College
2. Coordinator - NAAC, 2021-10-28 (1 Year), C.P.A. College
3. Coordinator - Research, 2021-10-28 (1 Year), C.P.A. College
4. Coordinator - Time Table Committee, 2021-10-28 (1 Year), C.P.A. College
5. Coordinator - NAAC, 2020-09-02 (1 YEAR), CARDAMOM PLANTERS ASSOCIATION COLLEGE, BODINAYAKANUR.
6. Nodal Officer - NIRF, 2020-12-08 (1 YEAR), CARDAMOM PLANTERS ASSOCIATION COLLEGE, BODINAYAKANUR.
7. Member - ONLINE CLASS CO-ORDINATING COMMITTEE, 2020-08-04 (1 YEAR), CARDAMOM PLANTERS ASSOCIATION COLLEGE, BODINAYAKANUR.
8. Coordinator - UNIVERSITY EXAMINATION MARK ASSESSMENT, 2020-08-04 (1 YEAR), CARDAMOM PLANTERS ASSOCIATION COLLEGE, BODINAYAKANUR.
9. Member - Academic Council, 2019-07-15 (2 YEARS), MADURAI KAMARAJ UNIVERSITY
10. Member - FATER ACADEMY OF INDIA, 2018-01-19 (LIFE MEMBER), FAI
11. Member - INTERVIEW COMMITTEE SUBJECT EXPERT AIDED POST, 2014-05-12 (ONE DAY), JAYARAJ ANNAPACKIYAM COLLEGE FOR WOMEN(AUTONOMOUS) PERIYAKULAM.
12. Coordinator - NET/SLET COACHING , 2010-06-16 (1 YEAR), CARDAMOM PLANTERS ASSOCIATION COLLEGE, BODINAYAKANUR.

13. Programme Officer - Youth Welfare, 2010-03-10 (1 YEAR), CARDAMOM PLANTERS ASSOCIATION COLLEGE, BODINAYAKANUR
14. Programme Officer - NSS, 2007-12-27 (1 YEAR), CARDAMOM PLANTERS ASSOCIATION COLLEGE, BODINAYAKANUR.

Research Guidance:

Ph.D.

1. **R. Ramya (F10248)**, Research Scholar, PG & Research Department of Mathematics, C.P.A. College, "Analysis of HIV - 1 virus with saturated infection rate and immune impairment " (2019-2020), *Status: Completed* .
2. **R. Jayanathan (P5879)**, Department of Mathematics, Rev. Jacob Memorial Christian College, Oddanchatram, "A time dependent delayed dynamical study on SEIR epidemic model with vaccination biological models " (2019-2020), *Status: Completed* .
3. **A. Anu Priyadharshini (F10140)**, Research Scholar, PG & Research Department of Mathematics, C.P.A. College, "Stability switch criteria in delay differential systems with delay dependent parameters for some HIV models " (2018-2019), *Status: Completed* .
4. **Doddala Sunitha (P5184)**, Research Scholar, PG & Research Department of Mathematics, C.P.A. College, "Mathematical analysis of delay differential equations in SOME HIV species dynamics " (2018-2019), *Status: Completed* .
5. **K. Marisamy (P4933)**, Department of Mathematics, Vidhya Sagar Women's College of Education, Chengalpattu, "Continues Review Policies for a Two Echelon Inventory Problem with Stochastic Demand " (2016-2017), *Status: Completed* .
6. **R. Rohini (F9719)**, Research Scholar, PG & Research Department of Mathematics, C.P.A. College, "Analysis of Two Echelon Markovian Inventory systems with two demand classes " (2015-2016), *Status: Completed* .
7. **B. Amaljasmine (F9568)**, Research Scholar, PG & Research Department of Mathematics, C.P.A. College, "Analysis of Two "Echelon" Markovian Inventory System with Lost sales and Partial Backlogging. " (2015-2016), *Status: Completed* .
8. **R. Karthikeyan (P3961)**, Research Scholar, PG & Research Department of Mathematics, C.P.A. College, "Analysis of Stochastic Inventory in Multi-Echelon with Joint ordering policy. " (2015-2016), *Status: Completed* .
9. **S. Mohamed Basheer (F9478)**, Research Scholar, PG & Research Department of Mathematics, C.P.A. College, "Modelling AND Analysis of Two "Echelon" Inventory System " (2014-2015), *Status: Completed* .
10. **R. Nagarajan (P1826)**, Department of Mathematics, Devanga Arts College, Aruppukkottai, "A study on qualitative behavior of delay differential equations in population dynamics " (2013-2014), *Status: Completed* .
11. **M. C. Maheswari (P3527)**, Department of Mathematics, VVV College, Virudunagar, "A Study on Stability analysis of Delay Differential Equations in Biological models " (2013-2014), *Status: Completed* .
12. **R. Satheeshkumar (P3252)**, Research Scholar, PG & Research Department of Mathematics, C.P.A. College, "Modelling and Analysis of Stochastic Inventory system in Multi-Echelon with retrial demands " (2013-2014), *Status: Completed* .
13. **M. Rameshpandi (P9921)**, Department of Mathematics, PMT College, Usilampatti, "Modeling and optimization of stochastic inventory system " (2012-2013), *Status: Completed* .

M.Phil.

1. **B. KARPAGAM (B8819002)**, PG & Research Department of Mathematics Cardamom Planters' Association College Bodinayakanur-625 513., "ANALYSIS OF COMPLIMENT INVENTORY SYSTEM IN SUPPLY CHAIN " (2018-2019), *Status: Completed* .
2. **M.ARUNA (B7811351)**, PG & Research Department of Mathematics Cardamom Planters' Association College Bodinayakanur-625 513 , "A STOCHASTIC INVENTORY SYSTEM WITH TWO TYPES OF SERVICES AND A FINITE POPULATIONS " (2017-2018), *Status: Completed* .
3. **A.ANU PRIYADHARSHINI, (B6813901)**, PG and Research Department of Mathematics Cardamom Planters' Association College Bodinayakanur-625 513 , "OPTIMIZATION OF TWO-ECHELON INVENTORY SYSTEM WITH DIRECT DEMAND " (2016-2017), *Status: Completed* .
4. **T. DHIVITYA MAHEESWARI (B6813904)**, PG and Research Department of Mathematics Cardamom Planters' Association College Bodinayakanur - 625 513, , "ANALYSIS OF TWO ECHELON PERISHABLE INVENTORY SYSTEM WITH TWO-

DEMAND CLASSES " (2016-2017), *Status: Completed* .

5. **M. Thenmozhi** , PG & Research Department of Mathematics Cardamom Planters' Association College Bodinayakanur-625 513, "A Study Of Graph Coloring Algorithms " (2016-2017), *Status: Completed* .
6. **T. Logeswari (B6813905)**, G & Research Department of Mathematics Cardamom Planters' Association College Bodinayakanur-625 513, "A Study Of Connectivity In Graph Theory " (2016-2017), *Status: Completed* .
7. **S. Jeyabharathi (B6813906)**, PG and Research Department of Mathematics Cardamom Planters' Association College Bodinayakanur-625 513, " Analysis Of Two Echelon Inventory System With Two Demand Classes And Partial Backlogging " (2016-2017), *Status: Completed* .
8. **M.RAGAPRIYA (B5813252)**, PG and Research Department of Mathematics Cardamom Planters' Association College Bodinayakanur 625 513 , "ANALYSIS OF INVENTORY SYSTEM WITH SERVICE FACILITY " (2015-2016), *Status: Completed* .
9. **L. LOGAMANI (B4811107)**, PG&Research Department of Mathematics Cardamom Planters' Association College Bodinayakanur-625 513, "STABILITY ANALYSIS OF GLUCOSE INSULIN DYNAMIC SYSTEMS USING MATRIX LAMBERT W FUNCTION " (2014-2015), *Status: Completed* .
10. **M. PREETHI (B4811108)**, PG and Research Department of Mathematics Cardamom Planters' Association College Bodinayakanur - 625 513, "ANALYSIS OF TWO-ECHELON INVENTORY SYSTEM WITH TWO SUPPLIER " (2014-2015), *Status: Completed* .
11. **M. VIGNESH BABU (B4811119)**, PG and Research Department of Mathematics Cardamom Planters' Association College Bodinayakanur - 625 513, "APPLICATION OF DOMINATION IN CHESS BOARD " (2014-2015), *Status: Completed* .
12. **M.KALADEVI (B4811105)**, PG & Rescarch Department of Mathematics Cardamom Planters' Association College Bodinayakanur-625 513, "A MULTI -SCALE STOCHASTIC DRUG RELEASE MODEL FOR POLYMER- COATED TARGETED DRUG DELIVERY SYSTEMS " (2014-2015), *Status: Completed* .
13. **M. VANITHA (B4811114)**, PG &Research Department of Mathematics Cardamom Planters' Association College Bodinayakanur-625 513, "Analysis of Fuzzy Inventory System using Signed Distance Method " (2014-2015), *Status: Completed* .
14. **D. SINDHUJA (B4811112)**, PG and Research Department of Mathematics Cardamom Planters' Association College Bodinayakanur 625 513, "ANALYSIS OF PERISHABLE INVENTORY SYSTEM IN TWO-ECHELON WITH TwO SUPPLIER " (2014-2015), *Status: Completed* .
15. **J. BALA RAMA (B4811102)**, PG and Research Department of Mathematics Cardamom Planters' Association College Bodinayakanur - 625 513, "JOURNEY OF FOUR COLOUR CONJECTURE IN 160 YEARS " (2014-2015), *Status: Completed* .
16. **T. SATHEESKUMAR (B4811118)**, PG & Research Department of Mathematics Cardamom Planters' Association College Bodinayakanur-625 513, "Very Cost Effective Partitions in Graphs A " (2014-2015), *Status: Completed* .
17. **M. MARUTHAMUTHU (B4811115)**, PG &Research Department of Mathematics Cardamom Planters' Association College Bodinayakanur-625 513, "Analysis and Re-resolution of the Transportation Problem: A Linear Programming Approach A " (2013-2014), *Status: Completed* .
18. **S. MUTHUMANI, (B381 1076)**, POST GRADUATE AND RESEARCH DEPARTMENT OF MATHEMATICS CARDAMOM PLANTERS' ASSOCIATION COLLEGE, "STABILITY ANAILYSIS OF SYSTEMS OF DIFFERENTIAL EQUATIONS AND BIOLOGICAL APPLICATIONS " (2013-2014), *Status: Completed* .
19. **E. MADHAVAN, (B3811079)**, POST GRADUATE AND RESEARCH DEPARTMENT OF MATHEMATICS CARDAMOM PLANTERS' ASSOCIATION COLLEGE, "A STUDY ON GRAPH ALGORITHMMS " (2013-2014), *Status: Completed* .
20. **D.GOWSALYA, (B3811075)**, POSTGRADUATE AND RESEARCH DEPARTMENT OF MATHEMATICS CARDAMOM PLANTERS' ASSOCIATION COLLEGE, BODINAYAKANUR- 625513, "ANALYSIS OF INVENTORY SYSTEM WITH RETRIAL DEMANDS IN A SERIAL SUPPLY CHAIN " (2013-2014), *Status: Completed* .
21. **G. Regha (B2810903)**, P.G. &Research Department of Mathematics C. P. A.College, Bodinayakanur, "Comparative Analysis of Inventory System and Perishable Inventory System with Retail demands " (2012-2013), *Status: Completed* .
22. **C.VASANTHI, (B2810904)**, POST GRADUATE AND RESEARCH DEPARTMENT OF MATHEMATICS CARDAMOM PLANTERS' ASSOCIATION COLLEGE BODINAYAKANUR -625 513., "COMPARITIVE ANALYSIS OF PERISHABLE INVENTORY SYSTEM WITH PARTIAL BACKLOGGING " (2012-2013), *Status: Completed* .
23. **R.KUMAR, (B2810906)**, POST GRADUATE AND RESEARCH DEPARTMENT OF MATHEMATICS CARDAMOM PLANTERS' ASSOCIATION COLLEGE, BODINAYAKANUR-625513, "ANALYSIS OF TWO-ECHELON INVENTORY SYSTEM WITH PARTIAL BACKLOGGING " (2012-2013), *Status: Completed* .

24. **S.MALAALAGAN, (B2810907)**, POST GRADUATE AND RESEARCH DEPARTMENT OF MATHEMATICS CARDAMOM PLANTERS' ASSOCIATION COLLEGE, BODINAYAKANUR-625513, "OPTIMIZATION OF INVENTORY SYSTEM IN SUPPLY CHAIN " (2012-2013), *Status: Completed* .
25. **G.SIBISAKKARAVARTHY (B2810908)**, POST GRADUATE AND RESEARCH DEPARTMENT OF MATHEMATICS CARDAMOM PILANTER'S ASSOCIATION COLLEGE, BODINAYAKANUR-625513 (Accredited with B++ Status by NAAC) August, "MODELLING AND ANALYSIS OF PERISHABLE INVENTORY SYSTEM IN TWO ECHELON " (2012-2013), *Status: Completed* .