

PROFILE

PERSONAL DETAILS

Name : Dr.R.Ramya
Date of Birth : 14-08-1990
Address : 43, West Street, B.Ammapatti, Bodinayakanur
E-Mail : ramyaksraja@gmail.com
Mobile No : 6385557439
Designation : Assistant Professor
Department : Mathematics
Area of Specialization : Delay Differential Equations

EDUCATIONAL QUALIFICATION

Degree	Branch	Month & Year of Passing	Class	Institution
Ph.D	Mathematics	August 2023	Highly Commended	Cardamom Planters' Association College, Bodinayakanur
M.Phil	Mathematics	December 2013	First	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore
M.Sc	Mathematics	April 2012	First	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore
B.Sc	Mathematics	April 2010	First	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore
HSC	TamilNadu State Board	March 2007	First	Nagamani Ammal Memorial Matriculation Higher Secondary School, Cumbum, Theni dt
SSLC	Matriculation	March 2005	First	Nagamani Ammal Memorial Matriculation Higher Secondary School, Cumbum, Theni dt

DETAILS OF ACADEMIC PROJECTS

Project Title	Level	Institution / Organization
Analysis of HIV-1 Virus with Saturated Infection Rate and Immune Impairment	Research (Ph.D - Mathematics)	Cardamom Planters' Association College, Bodinayakanur
A study of Fuzzy KU-ideals in KU- algebras	Research (M.Phil - Mathematics)	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore
General Service Queue with Service Interruption Under Bernoullie Schedule	PG (M.Sc - Mathematics)	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore

WORK EXPERIENCE

Position	Institution	Duration		Years of Experience
		From	To	
Assistant Professor	Hajee Karutha Rowther Howdia College, Uthamapalayam	July 2013	October 2018	5 years and 3 months
Assistant Professor	Avinashilingam University for Women, Coimbatore	September 2023	May 2024	9 months
Assistant Professor	C.P.A.College, Bodinayakanur	July 2024	Till date	2 months

LIST OF PUBLICATIONS

- Stability Analysis of Delay Differential Systems with Delay Dependent Parameter for some HIV-Models in the International Journal of Science, Engineering and Management (IJSEM) Vol 6, Issue 4, April 2021, PP 71-77.
- Stability Analysis of Vector-borne diseases model with treatment via fractional-order, Journal of Mathematical and Computational Science, Vol. 12(2022), Article ID 184, July 2022.
- Modified HIV-1 infection model with delay in saturated CTL immune response, Communications in Mathematical Biology and Neuroscience Vol. 2022 (2022), Article ID 77, August 2022.
- Sensitivity analysis of the HIV-1 infection model with saturated CTL immune response, Mathematical Statistician and Engineering Applications, Vol 71 No.4 (2022), PP-2398-2415, August 2022.

LIST OF PRESENTATIONS

- Presented the paper titled “Analysis of HIV-1 Virus with Saturated Infection Rate and Immune Impairment” in the national conference on recent trends in graph theory and mathematical modelling conducted by the department of mathematics, Sethu Institute of Technology held on 5th February 2021.
- Presented the paper titled “Stability Analysis of Delay Differential Systems with Delay Dependent Parameter for some HIV-Models in the International Conference on Mathematical Applications (ICMA-21) conducted by Institute for Scientific and Engineering Research on 28th March 2021 at Coimbatore.
- 24th Ramanujan Symposium - National Conference on Stochastic Modeling and Computational Techniques conducted by Ramanujan Institute for Advanced Study in Maths, University of Madras, Chennai on 24th to 26th March 2021.
- National Conference on Mathematical Analysis and Applications-2022 conducted by Shivaji University, Kolhapur on 21st to 22nd March 2022.
- International conference on Recent Advances of Pure and Applied Mathematics with Industrial Applications (RAPAM – 2022) conducted by Arul Anandar College (Autonomous), Karumathur, Madurai Dt on 11th April 2022.

DETAILS OF SEMINARS / WORKSHOPS / CONFERENCES ATTENDED

- International Conference “Mathematics and its applications – A new wave (ICMANW-2011) at Avinashilingam University for Women, Coimbatore on December 21 & 22, 2011.
- Science Academies Lecture Workshop on “New Vistas on Mathematical Modelling” at Nirmala College for Women, Coimbatore on August 13 & 14, 2012 .
- Research Convention ”Path Finder – Explore, Experiment, Elucidate Research” at Avinashilingam University for Women, Coimbatore during 7th to 9th February 2013.
- Research Convention ”Path Finder – Explore, Experiment, Elucidate Research” at Avinashilingam University for Women, Coimbatore during 1st to 3rd August 2013.
- Creation of Scientific Awareness among rural farmers, students and self help groups at Hajee Karutha Rowther Howdia College, Uthamapalyam on July 15 & 16, 2014.
- One day National seminar on Emerging Trends in Applied Mathematics held at Hajee Karutha Rowther Howdia College, Uthamapalyam on September 4, 2014.
- International Symposium on Emerging trends in DNA and membrane computing at Jayaraj Annapackiam College for Women, Periyakulam on September 17, 2014.
- UGC Sponsored Workshop on “Advanced Mathematical Modelling” at C.P.A. College, Bodinayakanur on 18th to 20th March, 2015.
- One day workshop on LATEX at Hajee Karutha Rowther Howdia College, Uthamapalyam on 31st January, 2017.
- One day international seminar on Algebra and Applied Mathematics held at Hajee Karutha Rowther Howdia College, Uthamapalyam on 11th January, 2018.
- One day workshop on Delay Differential Equations organised by Department of Mathematics, V.V.V. College for Women, Virudhunagar on 20th September , 2019.
- One day national Seminar on Real Analysis and Cryptography held at Hajee Karutha Rowther Howdia College, Uthamapalyam on 6th February , 2020.
- Webinar on Real Time Applications of Mathematics and Engineering organised by Department of Mathematics, Arasu Engineering College , Kumbakonam through online pedagogy on 28th April, 2021.
- Teacher Development Programme of ENHANCING TEACHER’S COLLECTIVE EFFICACY DURING PANDEMIC organised by IQAC and SF courses of C.P.A. College, Bodinayakanur on 17th March, 2022.
- Young Student Scientist Programme (YSSP-2022) Supported by TamilNadu State Council for Science and Technology at CPA College, Bodi from 18th July, 2022 to 1st June, 2022.

PROGRAMMES ORGANIZED

- Organizing Committee member in organizing a “Howdia Maths Fest” 2015 at Hajee Karutha Rowther Howdia College, Uthamapalyam on March 26, 2015.
- Organizing Committee member in organizing an One day workshop on LATEX at Hajee Karutha Rowther Howdia College, Uthamapalyam on January 31, 2017.
- Organizing Committee member in organizing an One day international seminar on “Algebra and Applied Mathematics” held at Hajee Karutha Rowther Howdia College, Uthamapalyam on January 11, 2018.
- Organizing Secretary in organizing a Guest Lecture on “Cutting-Edge Breakthroughs in SPSS” at Avinashilingam Institute for Homescience and Higher Education for Women, Coimbatore on November 21, 2023.

TRAINING

- Participated in the special training for the academic counsellors organised by IGNOU, New Delhi through teleconference mode on October 19, 2013.
- One day international professional development workshop on Teaching and learning pedagogy for faculty organised by IQAC at Hajee karutha rowther howdia college, uthamapalyam on June 30, 2018.

Date : 30.08.2024

Place : Bodinayakanur

Dr. R.Ramya