

Name : M. MOHANAPRIYA
Designation : Assistant Professor
Department : Mathematics [SF]
Qualification : M. Sc., MPhil.,(P.hd.,)
Experience : Teaching -15 Years
Research : 7 Years
Area of Specialization(s) : Fluid Dynamics
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Academic Qualifications

<i>Degree</i>	<i>Branch</i>	<i>Institution/University Name</i>	<i>Year of Graduation</i>
Ph.D.	Mathematics	PSGR Krishnammal College for Women, Coimbatore	Pursuing
M.Phil.	Mathematics	PSGR Krishnammal College for Women, Coimbatore	2008
M. Sc.	Mathematics	Kongunadu Arts and Science College, Coimbatore	2006
B.Sc.	Mathematics	PSGR Krishnammal College for Women, Coimbatore	2004

Skills Possessed

- ❖ **Programming Languages** : C, C++, Matlab, R, SPSS, Scilab
- ❖ **Document Preparation Tools** : LaTeX, MS Office, MS Excel, MSPower point

Additional Qualifications

<i>Diploma/ Vocational/ Certification</i>	<i>Institution/University/Agency Name</i>	<i>Course Title</i>	<i>Year</i>
Certification	NPTEL	Descriptive Statistics with R Software	2019
Certification	NPTEL	Operations Research	2019
Certification	Coursera	Python for Data Science, AI & Development	2022
Certification	Coursera	IBM What is Data Science?	2022
Professional Certification	Coursera	Google Professional Workspace Administrator [5 Courses]	2023

Certification	Coursera	Learn English: Beginning Grammar [3 courses]	2023
Certification	Coursera	Getting started with Google Workspace [8 courses]	2023
Certification	Coursera	Introduction to Thermodynamics: Transferring Energy from Here to There	2023
Certification	Coursera	Vector Calculus for Engineers	2023
Certification	Coursera	Differential Equations for Engineers	2023
Certification	Coursera	Python for Data Science, AI & Development	2023
Certification	Coursera	Google Data Analytics [8 courses]	2023
Certification	Coursera	Google Professional Workspace Administrator [5 courses]	2023
Certification	Coursera	IBM Data Topology	2023
Certification	Coursera	IBM Data Science Methodology	2023
Certification	Coursera	Google Cloud Generative AI Leader [5 courses]	2025
Certification	Coursera	Introduction to AI	2025

Refresher / Short Term Course Attended

<i>Duration</i>	<i>Course Attended</i>	<i>University/Institution</i>
11.09.2017 to 23.09.2017(Two Weeks)	Science Academies Refresher course on Differential Equations and Their Applications	PSGR Krishnammal College for women, Coimbatore.
13.7.2020 – 18.7.2020	One week Online Short term Training Program on “ Applications of Mathematical Sciences”	K.D.K College of Engineering, Nagpur
04.01.2021 - 09.01.2021	Short Term Training Programme on NLP Techniques for Teaching Gen Z Students: Rethinking new ways of communication.	Sri Ramakrishna College of Arts and Science, Coimbatore
13.12.2021-18.12.2021	Short Term Training Programme on Algebra And Analysis	SRM Institute of Science and Technology, Kattankulathur

Seminar / Conference / Workshop Attended

<i>Date</i>	<i>Title of the paper</i>	<i>Venue</i>	<i>Seminar / Conference</i>	<i>National / International</i>
21.12.11 – 23.12.11	Science Academies Lecture Workshop on Differential Equations and its applications	PSGR Krishnammal College for women, Coimbatore.	Workshop	National
30.3.2012 & 31.3.2012	Workshop on Latex	PSGR Krishnammal College for women, Coimbatore	Workshop	-

23.8.2013 and 24.8.2013	National Conference on Algebra and Analysis	PSGR Krishnammal College for women, Coimbatore.	Conference	National
2.1.2014 to 4.1.2014	Science Academies' Lecture Workshop on Recent Trends In Functional Analysis	PSGR Krishnammal College for women, Coimbatore.	Workshop	National
22.12.14 to 24.12.14	Workshop on Fluid Dynamics and its applications	PSGR Krishnammal college for women	workshop	National
7.01.2015 to 9.01.2015	International Conference on Applications of Mathematics in Engineering, Science and Technology	PSGR Krishnammal College for women, Coimbatore.	Conference	International Conference
22.3.2016 & 23.3.2016	Mathematics and Computer Techniques in Industries	PSGR Krishnammal College for women, Coimbatore.	Conference	National
11.02.2016 to 12.02.2016	Applications of Statistical Tools using SPSS- Hands on Experience	Kongunadu Arts and Science College, Coimbatore	Workshop	UGC Sponsored State level workshop
1-3-2017	National Seminar on Emerging Trends in Theoretical and Computational Mathematics	PSGR Krishnammal College for women, Coimbatore.	Seminar	National
21-2- 2018 & 22-02-2018	National Seminar on current and Future directions in Applied mathematics	PSGR Krishnammal College for women, Coimbatore.	Seminar	National
12-12-2018	National seminar on Arising Developments in Graph theory	PSGR Krishnammal College for women, Coimbatore.	Seminar	National
26-12-18	Indian Mathematics and its Industrial Applications	PSGR Krishnammal College for women, Coimbatore.	Seminar	State
3.09.2018	One day Hands on Workshop on Data Analytics	Sri Ramakrishna Institute of Technology, CBE.	Workshop	National
3.10.2018	Seminar on “ R and STATCRAFT”	PSGR Krishnammal College for women, Coimbatore.	Seminar	National
30.01.2019 to 31.01.2019	Indian Science Academies sponsored Lecture Workshop	Kongu Engineering College	Workshop	National
2.2.2019	Scholarly Publication, citation, impact factor, plagiarism and reference management tools for research	PSGR Krishnammal College for women, Coimbatore.	Workshop	National
07.08.2019- 08.08.2019	Future Trends in Topology and its Applications	PSGR Krishnammal College for Women	Conference	National
4.10.2021- 7.10.2021	Innovation Challenges in Multidisciplinary Research and Practice in Mathematics	Hindusthan College of Arts and Science	Conference	International
24.1.2023- 25.1.2023	Mathematical Analysis in Computational Biology and Data Science	PSGRKWCW	Conference	International

Paper Presentation in Seminar/ Conference

<i>Date</i>	<i>Title of the Paper</i>	<i>Seminar / Conference</i>	<i>National / International</i>
7.02.2013	Multi Objective Transportation Problem	Conference at “Dr.	

		NGP Arts and Science College, Coimbatore.”	National level conference on “Mathematical Science and its Computational Aspects”
25.09.2013	Circular Chromatic Number and its Application	Conference at “Dr. NGP Arts and Science College, Coimbatore.”	National level conference on “Optimization Techniques and Decision Making Analysis”
8.01.2014	A study on graph coloring using Mathematical Induction method	International Conference at “Hindusthan college of Arts and Science, Coimbatore”	International Conference on “Innovative Challenges in Multidisciplinary Research and Practice of Mathematics”
7.02.2014	Application of Graph Theory in Traffic Management	National Conference at Nandha Arts and Science College, Erode.	National seminar on Modern sciences of Applied Mathematical Sciences.
13.03.2015	Operational Research in Hospital	National conference at Karpagam University, Coimbatore	National Conference on “Recent Developments in Applications of Mathematics”
24.01.2018 to 25.01.2018	Unsteady MHD free convection flow of a viscous Dissipative Kuvshinski fluid past on infinite vertical porous plate in the presence of thermal radiation and chemical effects.	P.A. College of Engineering and Technology	CSIR Sponsored National Conference on Modern Mathematical methods and high-performance computing in manufacturing and industrial engineering systems.
19.02.2019	Analytical Study on MHD free convective fluid flow past a semi infinite vertical porous plate with heat absorption and chemical reaction.	Rathinam College of Arts and Science	International Conference on Emerging area of Mathematics for Sciences and Technology
29.2.2020	Lucky Edge Labelling of Some Graphs	International Conference on Data Analytics & Computational Mathematics.	Sri Ramakrishna College of Arts & Science For women
26.4.2022 – 28.4.2022	Linear Stability of fluid flow down a porous inclined plane	Ayya Nadar Janaki Ammal College	International Conference on Analysis and Applied Mathematics
5.5.2022 – 7.5.2022	A survey on Ayurvedic Vs Allopathic Medicine during COVID 19 using R Programming	Rathinam College of Arts and Science	International conference on Mathematical Science and its recent advantages
10.3.2023	The applications of domination graphs	Sri Ramakrishna College of arts and Science for Women	International Conference on Recent Developments in Computational and Biological Science.

Participation in FDP/ Webinar : 50+

Publication

<i>S.No.</i>	<i>Author</i>	<i>Title of the Paper</i>	<i>Name of the Journal & ISSN</i>	<i>Vol., Page No., Year</i>	<i>Index & Impact Factor</i>

1.	M. Mohana Priya	Lucky Edge Labelling For Some Graphs	The International Journal of Analytical and Experimental Modal Analysis	Vol XII [Sep 2020] Page No:1224-1231	UGC Care
2.	M. Mohana Priya	Linear And Non-Linear Perspectives on The Instability of Shear Flow with Fine Dust	International Journal of Applied Mathematics & Statistical Sciences	Vol.14, 2025, Issue:2, 11-20	UGC Care & 6.68

Grants

<i>S. No.</i>	<i>Name of the Agency</i>	<i>Title of the project</i>	<i>Year</i>
1	GRG Trust	Geophysical and Astrophysical Applications of Shear flow Instabilities using Open Foam / Sci-lab	2023

Training Programmes Attended

<i>S. No.</i>	<i>Name of the Programme</i>	<i>Institute</i>	<i>Date</i>
1.	Internal Auditor course on ISO 9001:2008	TUV Rheinland (India) Pvt. Ltd	9.4.2015 – 10.4.2015

Membership in Academic Bodies

- ❖ Life member of Indian Science Congress Association

Member of Board of Studies

<i>Details</i>	<i>Period</i>	<i>University/ Institution</i>
Member	2011- Till date	PSGR Krishnammal college for women Coimbatore

Contribution to the College Activities

- ❖ *NAAC Team Co-Ordinator - Criteria III since 2019 onwards*
- ❖ *Spoken Tutorial Workshop Organizer from 2019 onwards*
- ❖ *Internal Auditor [2015-2017]*
- ❖ *Ganita Association Co-Ordinator in 2022-2023*
- ❖ *Coursera – Skill hub- Science cluster coordinator from 2024*