

Madurai Kamaraj University, Madurai.

Career Objective	To augment my profession through Mathematics
Languages known	Tamil, English
Research Interest	Heat and mass transfer
Books Published	Mathematics-I, 2013 (Jai Tech. Publications, Chennai) Mathematics-II, 2014 (Global publishers, Chennai)

Educational Qualification

Qualification	Discipline	University	Class	Year of passing
Ph.D	Mathematics- (Specialization- Fluid dynamics)	Bharathiyar University, Coimbatore	Pursuing	-
M.I.S.T.E	ISTE	-	Life Member	2005
B.Ed. (Regular)	Mathematics	Alagappa University, Karaikudi.	First class	1998
M.Phil (Regular)	Mathematics	Madurai Kamaraj University, Madurai.	Second class	1997
M.Sc (Regular)	Mathematics	Madurai Kamaraj University, Madurai.	First class	1996
B.Sc (Regular)	Mathematics	Madurai Kamaraj University, Madurai	First class	1994
H.S.C	State board	Tamilnadu state board	First class	1991
S.S.L.C	State board	Tamilnadu state board	First class	1989

Teaching Experience: 14 years 03 months

- **14 years 03 months exclusively in Engineering Colleges.**
 - 1) **Senior Assistant Professor** of Mathematics in Dhirajlal Gandhi College of Technology, Salem **from 07.12.2015 to till date.**
 - 2) **Professor** of Mathematics in Mahendra Engineering college for Women, Namakkal **from 22.01.2015 to 05.12.2015.**
 - 3) **Senior Assistant Professor** of Mathematics in Dhirajlal Gandhi College of Technology, Salem **from 03.06.2013 to 20.01.2015**

- 4) **Assistant Professor** of Mathematics in Paavai college of Engineering, Namakkal, from **13.03.2009 to 31.05.2013**
- 5) **Senior Lecturer** of Mathematics in PGP Engineering College, Namakkal from **09.05.2008 to 10.12.2008**
- 6) **Lecturer** of Mathematics in Pandian Saraswathi Yadav Engineering College, Madurai from **01.08.2003 to 15.04.2008**
- 7) **Lecturer** of Mathematics in **CECRI/ CSIR** (B.Tech.-Chemical and Electro-Chemical Engg.), Karaikudi from **09.07.1998 to 30.06.1999**

Papers Taught: Numerical methods, Transforms and Partial Differential Equations, Engineering Mathematics – I, II, Probability and Statistics, Probability and Queuing Theory, Statistics & Numerical Methods and Random Processes.

Research Publication in International / National Journal

- [1]. R. Muthuraj, S.Srinivas and **K.Nirmala**, MHD flow of a couple-stress fluid and a Viscous fluid in a vertical wavy porous space with travelling thermal waves and temperature dependent heat source, **Heat Transfer – Asian Research (Wiley publication) – Annexure-II, 43(2), 2014, 134-147.**
- [2]. **K. Nirmala**, R.Muthuraj and S.Srinivas, Combined effects of Hall Current, Wall Slip, Viscous Dissipation and Soret Effect on MHD Jeffery Fluid Flow in a Vertical channel with Peristalsis, **JP journal of Heat and mass transfer (Scopus Indexed) – Annexure-II, volume 12, 2015,131-165.**
- [3]. R.Muthuraj, **K. Nirmala** and S.Srinivas, Influences of chemical reaction, wall properties on MHD Peristaltic transport of a Dusty Fluid with Heat and mass transfer, **Alexandria Engineering Journal – Elsevier, – Annexure-II, Volume 55, 2016, 597-611.**

Communicated Research Paper

- [1]. Peristaltic transport of a Carreau fluid in an inclined channel in the presence of inclined magnetic field with chemical reaction, thermal- diffusion effects - **communicated to an international journal.**

Paper Presentation in the Conference

- [1]. Presented a paper titled “Combined effects of Hall Current and Soret Effect on MHD Jeffery Fluid Flow in a Vertical channel with peristalsis” in the **National Conference on “Modern aspects of Theoretical and Applied Mathematics”** held on 9th & 10th April 2015 organized by Department of Mathematics, **PSNA college of Engineering and Technology, Dindigul.**
- [2]. Presented a paper titled “Influences of chemical reaction, wall properties on MHD Peristaltic transport of a Dusty Fluid with Heat and mass transfer” in the **National Conference on “Mathematics and its applications”** held on 22nd & 23rd December, 2015 organized by Department of Mathematics, **Sri Venkateswara University, Tirupathi, Andhra Pradesh.**
- [3] Presented a paper titled “MHD peristaltic transport of a Carreau fluid in an inclined channel in the presence of inclined magnetic field with chemical reaction” in the **National Conference on “ Bridging Innovative Trends in Pure and Applied Mathematics”** held on 15th & 16th July 2016 organized by Department of Mathematics, **Bannari Amman Institute of Technology, Sathyamangala, Erode.**

Participation in the Seminar / Symposium / Workshop / Training

- [1]. Participated in the One day Seminar on “**Globalization and Employment Opportunities for Engineers”** Co-Sponsored by **Indian Society for Technical Education, New Delhi** held on November 8, 2005 at **Pandian Saraswathi Yadav Engineering College, Sivagangai.**

- [2]. Participated in the Symposium on “**Recent Advances in Mathematical Modeling in Engineering**” Sponsored by **TNSCST, Chennai** held during September 14th and 15th, 2007 at Department of Mathematics, **Thiagarajar College of Engineering, Madurai**.
- [3]. Participated in the Two day Faculty Orientation Programme conducted by **PGP Educational Institutions** held on 25th and 26th July, 2008.
- [4]. Participated in the One day Seminar on “**Application of Mathematics in Engineering Disciplines**” held at **Bannari Amman Institute of Technology, Sathyamangalam** on 21st October, 2010.
- [5]. Participated in the One day Workshop on “**Smart Ph.D planning**” Sponsored by **Computer Society of India** and conducted by **Paavai Engineering College, Namakkal** held on 19th March, 2012
- [6]. Participated in the Pedegogical Training Programme on “**Effective Teaching Methodologies**” organized by **Dhirajlal Gandhi College of Technology, Salem** held on 6th November, 2014.

Programmes Organized

- [1]. Served as a **Co-Ordinator** for the **Anna University Sponsored Faculty Development Training Programme** on “**MA6453-Probability and Queuing Theory**” from 5th to 11th December, 2014 at the Department of Mathematics, **Dhirajlal Gandhi College of Technology, Salem**.
- [2]. Organized the **National level ISTE Online Exam “Srinivasa Ramanujan Mathematical Competitions ”** on 9th April, 2016 for the Engineering students at **Dhirajlal Gandhi College of Technology, Salem**.
- [3]. Organized the Online Exam “**Ramanujan Math Quest**” on 1st October, 2016 for the School students of Grade VI to XII of 5 levels at **Dhirajlal Gandhi College of Technology, Salem**.

[4]. Served as a **Chief Co-Ordinator** for the **1st Graduation Day at DGCT on 20th MARCH, 2016.**

[5]. Served as a **Chief Co-Ordinator** for the **6th Science Day at DGCT on 02nd MARCH, 2017.**

Achievements

[1]. Got appreciation certificate with **two gold coins for an efforts to produce 98% and 96.29%** results in the Anna University Examinations held during the academic year 2008-2009, Semester-II in the **Engineering Mathematics-II** subject at **Paavai College of Engineering, Namakkal.**

[2]. Establish of **MATH LAB** for learning the fundamentals in Mathematics.

Professional Membership

[1]. Life Member in **INDIAN SOCIETY FOR TECHNICAL EDUCATION, NEW DELHI.**

References:

1. Dr. R. Muthuraj,
Professor of Mathematics,
PSNA College of Engineering & Technology,
Dindigul- 624 622.
Mobile No.:9843394544.
2. Dr. S. Srinivas,
Senior Professor & Division Leader,
Fluid Dynamics Division,
School of Advanced Sciences,
V.I.T University,
Vellore – 632014,
Tamilnadu.

DECLARATION

I solemnly declare that the above-furnished information is true to the best of my knowledge and belief.

Place: DGCT

yours faithfully

Date: 27.09.16

[K.NIRMALA]

