

FACULTY PROFILE

Basic Details:

- **Name:** Mr.R.Ramesh
- **Designation:** Assistant Professor (OG)
- **PhoneNumber:**9551029804
- **EmailID:**rameshr1@srmist.edu.in
- **AreaorSubject:**Mathematical Biology & Special Functions
- **Affiliation:**Department of Mathematics, Ramapuram Campus, SRM Institute of Science and Technology

Educational Details:

- **Degree**–B.Sc., M.Sc.,M.Phil.,(Ph.D)
- **Area or Subject**–Mathematics
- **University**
 - B.Sc – University of Madras,
 - M.Sc & M.Phil- Thiruvalluvar University Vellore
 - (Ph.D – SRMIST, Kattankulathur)
- **Awarded Year**
 - B.Sc Mathematics – University of Madras –2005
 - M.Sc Mathematics – Thiruvalluvar University – 2007
 - M.Phil Mathematics – Thiruvalluvar University –2008

Other Details:

Courses:

- Business Statistics-I
- Business Statistics-II
- Statistical Methods
- Resource Management Technique / Operation Research
- Numerical Methods
- Probability & Statistics
- Mathematics-I
- Mathematics-II
- Transforms & Partial Differential Equations
- Operation Research
- Statistics & Numerical Methods
- Probability & Random Process

Research Interests: Mathematical Biology & Special Functions

Selected Publications: Approximate solution of Viral Dynamics in HBV infection using Homotopy Perturbation Method, AIP Conference Proceedings 2277,120006(2020), Published on 06-November-2020

Papers Presented:

- Approximate solution of Viral Dynamics in HBV infection using Homotopy Perturbation Method, AIP Conference Proceedings 2277,120006(2020), Published on 06-November-2020, ICMTA-2020 Organized by SRMIST- KTR Campus
- Stability and Numerical Solution of SEQIR Model for COVID-19 with Optimal Control & Prediction PMTIA-2020 Organized by SRMIST-Ramapuram Campus

Working Papers: Mathematical Model in COVID-19

Work in Progress: Mathematical Model in COVID-19, Stability Analysis, Reproduction Number, Optimal Control

Academic Experience:

- SRM INSTITUTE OF SCIENCE & TECHNOLOGY, RAMAPURAM From 19.06.2017 to Till Date
- PRATHYUSHA ENGINEERING COLLEGE, THIRUVALLUR From 01.07.2010 to 01.06.2017
- APOLLO ARTS & SCIENCE COLLEGE From 03.08.2009 to 30.04.2010

Other Professional Experience: Materials Officer Level –I , In Asian Paints Ltd, Sriperumbudur

Workshops /Seminars/Conferences:

- Workshop attended “Workshop on Fluid Dynamics and its Applications” on 12.04.2018 at SRMIST- Ramapuram
- Workshop attended "Differential Equations and its Applications" on 07.03.2019 at SRMIST- Ramapuram
- Conference attended “National Conference on Recent Trends in Fuzzy Mathematics and its Applications on 03.11.2017 & 04.11.2017 at SRMIST- Ramapuram
- Conference attended 2nd National conference on "Recent Trends in Fuzzy Mathematics and its Applications"(NCRTFMA-2018) on 26.10.2018 & 27.10.2018 at SRMIST- Ramapuram
- Conference attended 3rd National Conference on “Progress in Mathematics towards Industrial Applications” (NCPMTIA- 2019) on 27.09.2019 & 28.09.2019 at SRMIST- Ramapuram
- Approximate solution of Viral Dynamics in HBV infection using Homotopy Perturbation Method, AIP Conference Proceedings 2277,120006(2020), Published on 06-November-2020, ICMTA-2020 Organized by SRMIST- KTR Campus
- Workshop on Linear Algebra Organized by SSN college of Engg from 1.6.20 - 2.6.20
- Workshop on Mathematical Analysis Organized by Loyola College from 8.6.20-13.6.20
- International Workshop on Epidemic Modelling Organized by Mukesh patel school of Engg & Technology from 08.06.2020 to10.06.2020
- International webinar on computational fluid Dynamics Organized by Sanjivani College of Engg, kopargaon on 10.06.20
- Three Days Online FDP on innovative strategies in English Language Teaching Organized by Jeepiar Engineering College from 10.06.2020 to 12.06.2020
- Mathematical Modelling of Infectious Diseases Organized by Mizoram University on 11.06.2020
- Webniar on Mathematical Modelling in Covid 19 Organized by Jeepiar Engineering College on 13.06.20
- One week FDP on Advance Materials Research Organized by Bharat Institute of Engineering And Technology from 15.06.2020 - 19.06.2020
- Modern Epidemiology Of Infectious Disease Using Predatory Prey Dynamics Organized by SRMIST-Ramapuram on16.06.20
- Two days online International FDP on Fuzzy Modelling Organized by St Joseph College of Engineering from 16.06.20 and 17.06.20
- International FDP on Fuzzy Mathematical Modelling Organized by St Joseph`s College of Engineering from 16.06.2020 & 17.06.2020
- International web conference on Advances in Mathematics Organized by St Mary`s College, Thoothukudi from 17.06.2020 - 19.06.2020
- SIRD Model to Predict COVID-19 Outbreak in Tamilnadu-India Organized by SRMIST-Ramapuram on 25.06.20
- Evolution of COVID-19 Pandemic: Power -law growth & Flattening of the curve Organized by SRMIST-Ramapuram on 26.06.20

- Mathematica & Application of Mathematics Organized by Pillai College of Engineering from 27.06.2020 - 29.06.2020
- National Webniar on Real time weather & Covid Data Analysis Organized by Thakur College of Science & Commerce on 27.06.2020
- Exposure to Sage Math Organized by St Joseph Institute of Technology on 30.06.2020
- Mathematical Modelling of Infectious Disease with special focus on COVID -19 Organized by VIT, Chennai on 02.07.2020
- International Workshop on "The Craft of Research" Organized by SRMIST, Ramapuram from 02.07.2020 and 03.07.2020
- One Week Online FDP on Being a Super Teacher Organized by Bannari Amman Institute of Technology from 06.07.2020 to 12.07.2020
- FDP on Mathematics & Its Application in Engg & Tech Organized by SRMIST KTR Campus from 06.07.2020 to 16.07.2020
- International webinar on "On the Merrifield - Simmons Index of Graphs" Organized by SRMIST, Ramapuram on 10.07.2020
- International webinar on "Online Teaching & Learning: Challenges & Oppurtunities through Disruption " Organized by Geetha Jeevan Arts & Science College on 15.07.2020
- International webinar on "Janowski Functions Associated with the comic domains" Organized by SRMIST, Ramapuram on 19.07.2020
- International webinar on "Topological Tverberg Conjecture: A Homotopy theoretic approach" Organized by SRMIST, Ramapuram on 20.07.2020
- International Virtual FDP Frontiers of Mathematics Organized by SRMIST RAMAPURAM from 17.08.2020- 26.08.2020
- Webinar-Mapping Disease Organized by Data SRMIST,RPM on 25.09.2020
- Stability and Numerical Solution of SEQIR Model for COVID-19 with Optimal Control and Prediction PMTIA-2020 Organized by SRMIST-Ramapuram Campus on 06.11.2020 & 07.11.2020
- National Mathematics Day-Celebrating Srinvasa Ramanujan Organized by SRMIST RPM CHENNAI from 22.12.2020 to 26.12.2020

Achievements and Awards: Nil

Memberships: Life Time Member Ship in ISTE & ISC

Please send in your latest **PASSPORT SIZE** photograph.



Some examples of standard faculty profiles from other institutions:

- <http://isb.edu/faculty/facultydir.aspx?ddlFaculty=246>
- <http://engineering.stanford.edu/research/layout.php?sunetid=cfarhat>
- <http://public.tepper.cmu.edu/facultydirectory/FacultyDirectoryProfile.aspx?id=95>