

## **FACULTY PROFILE TEMPLATE**

**Please ensure that this Template is ‘Thoroughly Followed/Replicated’ in your profile**

- ❖ **Please mention year of passing (Educational Qualifications)**
- ❖ **In case of Updating Existing Faculty profiles, please send the new additions in ‘Highlighted Form/Text’.**

### **Basic Details:**

- **Name:** Mr.E.MURALIKRISHNAN
- **Designation:** Assistant Professor (OG)
- **PhoneNumber:** 9884556480
- **EmailID:** muralike@srmist.edu.in
- **AreaorSubject:** Mathematical Biology
- **Affiliation:** Department of Mathematics, Ramapuram Campus, SRM Institute of Science and Technology

### **Educational Details:**

- **Degree** – B.Sc., M.Sc., M.Phil.,
- **Area or Subject** – Mathematics
- **University**
  - B.Sc, M.Sc & M.Phil – University of Madras,
  - (Ph.D – SRMIST, Kattankulathur)
- **Awarded Year**
  - B.Sc Mathematics – University of Madras – 2009
  - M.Sc Mathematics – University of Madras – 2011
  - M.Phil Mathematics – University of Madras – 2012

## **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

**Research Interests:** Mathematical Biology

### **Selected Publications: Nil**

- **Papers Presented:** Dynamics of SEIR model for COVID-19 Pandemic in India 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
- J.N.N INSTITUTE OF ENGINEERING, KANNIGAIPAR From 04.07.2016 to 16.06.2017
- RAJIV GANDHI COLLEGE OF ENGINEERING, SRIPERUMBUDUR From 09.07.2012 to 02.07.2016

**Other Professional Experience: NIL**

### **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
- 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 to 10.06.2020
- International webinar on computational fluid Dynamics Organized by Sanjivani College of Engg, kopargaon on 10.06.20
- Webinar 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 on 16.06.20
- 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 Webinar 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 "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
- STTP on Mathematica - A scientific Research Tool Organized by Sagar Institute of Research and Technology from 21.09.2020- 26.09.2020
- Webinar-Mapping Disease Organized by Data SRMIST,RPM on 25.09.2020
- Dynamics of SEIR model for COVID-19 Pandemic in India PMTIA-2020 Organized by SRMIST-Ramapuram Campus on 06.11.2020 & 07.11.2020
- One Week Online FDP on Essential Mathematics for Engineers and Researchers Organized by SKN Sinhgad college of Engineering from 23.11.2020 to 27.11.2020
- National Mathematics Day-Celebrating Srinivasa Ramanujan Organized by SRMIST RPM CHENNAI from 22.12.2020 to 26.12.2020

**Achievements and Awards: Nil**

**Memberships: Life Time Member Ship in 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>