

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:** S. Arul Amirtha Raja
- **Designation:** Assistant Professor (OG)
- **Phone Number:** 8098785478
- **Email ID:** arulamis@srmist.edu.in
- **Area or Subject:** Graph Theory
- **Affiliation:** Department of Mathematics, SRM Institute of Science and Technology, Ramapuram.

Educational Details:

- **Degree** – M. Sc., M. Phil., (Ph. D.)
- **Area or Subject** – Mathematics
- **University**

(PhD) Mathematics (Submitted Thesis) – 2019, University of Madras, Chennai.

M. Phil. Mathematics – 2013, Alagappa University, Karaikudi.

M.Sc. Mathematics – 2012, Loyola College, Chennai.

B.Sc. Mathematics – 2010, Loyola College, Chennai.

Other Details:

Courses:

- Mathematics I, Mathematics II , Mathematics III
- Probability and Queuing Theory
- Numerical Methods
- Resource Management Techniques
- Calculus of Variations and Non-linear Programming
- Probability & Statistics

Research Interests: Graph Theory, Theory of Computation

Selected Publications:

- Deepa Mathew, **S. Arul Amirtha Raja**, Eddith Sarah Varghese, D. Antony Xavier, Strong Open Geodetic Number, AIP Conf. Proc. 2261(2020), 030135-1–030135-8
- Deepa Mathew, D. Antony Xavier, Santiagu Theresal, **S. Arul Amirtha Raja**, Geodetic landmark number of graphs, Malaya Journal of Matematik(2020), Vol. S, No. 1, 76-80
- D. Antony Xavier, **S. Arul Amirtha Raja**, Andrew Arockiaraj, Open Geodetic Number of Certain Networks, International Journal of Pure and Applied Mathematics, 118(23) (2018) 441-449
- D. Antony Xavier, **S. Arul Amirtha Raja**, Andrew Arockiaraj, Open Geodetic Number of the Lexicographic product of graphs, Mathematical Sciences International Research Journal, 7(2) (2018) 80-83
- Chiranjilal Kujur, D. Antony Xavier, **S. Arul Amirtha Raja**, Proper Lucky Labeling of Certain Tree Families, International Journal of Pure and Applied Mathematics, 117(11) (2017) 229-236
- Chiranjilal Kujur, D. Antony Xavier, **S. Arul Amirtha Raja**, Lucky Labeling and Proper Lucky Labeling for Bloom Graph, IOSR Journal of Mathematics, 13(2) (2017) 52-59
- Chiranjilal Kujur, D. Antony Xavier, **S. Arul Amirtha Raja**, Proper Lucky Labeling of k-Identified Triangular Mesh and k-Identified Sierpinski Gasket Graphs, International Journal of Scientific and Engineering Research, 8(4) (2017) 249-261
- Chiranjilal Kujur, D. Antony Xavier, **S. Arul Amirtha Raja**, Francis Xavier, L(2,1)-Labeling for Bloom Graph, International Journal of Mathematics and its Applications, 5(4-D) (2017) 437-447

Papers Presented:

- D.Antony Xavier, S. Arul Amirtha Raja, Andrew Arokiaraj, **Open Geodetic Number of Product Graphs**, ICRTM 2017, Loyola College, Chennai, India
- D.Antony Xavier, S. Arul Amirtha Raja, Andrew Arokiaraj, **Open Geodetic Number of Cartesian Product of Graphs**, ICMCE 2016, VIT, Chennai, India
- D.Antony Xavier, S. Arul Amirtha Raja, Andrew Arokiaraj, **Transmission Index of Sier- pinski Networks**, ICAM 2016, Stella Maris College, Chennai
- D.Antony Xavier, Andrew Arokiaraj, S. Arul Amirtha Raja, **A Mathematical Model Sim- ulating Urban Growth**, NCPAM 2016, VIT, Vellore, India
- D.Antony Xavier, Andrew Arokiaraj, S. Arul Amirtha Raja, **Hexagonal Cellular Au- tomata**, ICMCE 2015, VIT, Chennai, India

Working Papers:

- Strong open geodetic number of product graphs.

Academic Experience:

- Working as an Assistant professor in **SRMIST Ramapuram**, Chennai from 30, Nov 2020.
- Worked as an Assistant professor in **Saveetha School of Engineering** at Thandalam, Chennai from Aug 2019 to Nov 2020.
- Worked as a Guest lecturer in **Institute of Fisheries Post Graduate Studies** at OMR, Chennai during Nov 2018 to March 2019.
- Worked as a Guest lecturer in **College of Fish Nutrition and Food Technology** at Madhavaram, Chennai during Nov 2018 to July 2019.
- Worked as an Assistant professor in **Vels University** at Pallavaram, Chennai during the year July 2018 to Nov 2018.
- Worked as an Assistant professor in **Sri Raaja Raajan College of Engineering & Technology** at Karaikudi during the academic year Aug 2013 - Jun 2014.

Other Professional Experience:

- Nil

Achievements and Awards:

- Cleared TNSET in 2017

PASSPORT SIZE photograph.

