



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.Poongothai
- Designation: Assistant Professor
- Phone Number: 9080360835
- Email ID: poongots@srmist.edu.in
- Area or Subject: Mathematics
- Affiliation: Department of Mathematics, Ramapuram Campus, SRM Institute of Science and Technology

Educational Details:

- Degree – B.Sc.,M.Sc., M.Phil., (PhD)
- Area or Subject – Mathematics
- University –University of Madras
- Awarded Year – (B.Sc. Mathematics, Queen Marys College, 2003
M.Sc., Mathematics, Queen Marys College, 2005
M.Phil., Mathematics, Queen Marys College, 2011
Ph.D. in Fuzzy Evolutionary Algorithms, SRM Institute of Technology, submitted Thesis)

Other Details:

Courses: Advanced Calculus and Linear Algebra, Advanced Calculus and Complex Analysis, Transforms and Boundary Value Problems, Operations Research, Probability and Queueing Theory, Probability and Statistics

Research Interests: Fuzzy Evolutionary Algorithms

Selected Publications:

- With C. Dharuman and P. Venkatesan, “ A Comparative study of Hybrid Evolutionary Based Algorithms with Machine Learning Classifiers for the Prediction of Medical Database”, 1377, 2019.
- With C. Dharuman and P. Venkatesan, “A Comparison of Fuzzy Rough sets and Fuzzy Evolutionary Classifiers using Medical Databases,” International Journal of Innovative Technology and Exploring Engineering, 8 (10), 2019.
- With C. Dharuman and P. Venkatesan, “Application of Fuzzy Differential Evolutionary Algorithms in Biological Data Mining ,” International Journal of Scientific & Engineering Research, 10 (1), 2019.
- With C. Dharuman and P. Venkatesan, “Hybrid Evolutionary based Algorithms for classification of Biomedical Databases”, International Journal of Pure and Applied Mathematics, 114 (5), 2017.
- With C. Dharuman and P. Venkatesan, “A Comparison of Fuzzy Genetic and Neuro Genetic Hybrid Algorithm for the Classification of Diabetes Disease,” International Journal of Pure and Applied Mathematics, 113 (11). 2017.
- With C. Dharuman and P. Venkatesan, “Fuzzy Evolutionary Computing in Biological Data Mining,” Global Journal of Pure and Applied Mathematics ,12 (1), 2016.

Papers Presented:

- Poongothai, S., “Evolutionary Computing in Biological data Mining – An Application of Fuzzy Genetic Algorithm”, New Horizons in Statistical Modeling and Applications, Presidency College, Chennai, Tamilnadu, India, 2015.
- Poongothai, S., “An Application of Genetic Neuro Fuzzy Hybrid Algorithm for the Prediction of Well-Being of Fetal States”, International Conference on Mathematical Computer Engineering, VIT University, Chennai, Tamilnadu, India, 2015.
- Paper (Title: A Comparative Study of Biomedical Database through Evolutionary Computations based Fuzzy with Various hybrid models) Presented in International Conference on “Progress in Mathematics towards Industrial Applications” on 06.11.2020 & 07.11.2020 at SRMIST- Ramapuram

Working Papers:

Work in Progress: Preparing paper for publication

Academic Experience:

- **Assistant Professor, Jaya College, 2011-2012.**
- **Assistant Professor, SRM Institute of Science and Technology, 2012 to till date.**

Other Professional Experience:

- **Quality Controller & Faculty, SPS Private Limited, 2005-2010.**

Workshops /Seminars/Conferences:

- Conference attended 3rd National Conference on “Progress in Mathematics towards Industrial Applications” (NCPMTIA- 2019), 2019 at SRMIST- Ramapuram
- Workshop on Differential Equations and its Applications, 2019 at SRMIST- Ramapuram.
- Workshop on Fluid Dynamics and its Application ,2018 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 “National Conference on Recent Trends in Fuzzy Mathematics and its Applications on 03.11.2017 & 04.11.2017 at SRMIST- Ramapuram
- Workshop on fuzzy set theory and its applications SRM University, Ramapuram, 2017.

Achievements and Awards:

- **First rank in UG Degree, 2003.**

Memberships:

- **Member in Indian Science Congress Association (ISCA) , 2012.**

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>
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