Faculty profile

Faculty Name   :   Dr. Shilpa M

Designation   :   Assistant Professor

PEN   :   807009

Department   :   Mathematics

Permanent Address   :   Viswa Vihar, VPN Lane, Thrissur - 680001

Contact Number   :   9496838088

Email   :   rshilpam@gmail.com

Experience Details   :   1. Substitute Lecturer at St. Teresa's College, Ernakulam

2. Assistant Professor at Government College Chittur

3. Assistant Professor at Maharaja's Technological Institute, Thrissur

4. Assistant Professor at Government College Chittur (from 07/09/2021 onwards)

Educational qualifications

Course	University/ Institution	Year of Pass
UG	Government College, Chittur	2008
PG	Government College, Chittur	2010
Ph D	Kerala University	2019

Broad Area of Research   : Discrete Mathematics

Publications (Newest first)

1. M. Changat, Prasanth. G. Narasimha-Shenoi, F. Hossein Nezhad, M. Kovše, S. Mohandas, A. Ramachandran, Peter F. Stadler, Transit sets of two-point crossover, *Art Discrete Appl. Math.* (2020), doi:10.26493/2590-9770.1356.d19.
2. M. Changat, Prasanth. G. Narasimha-Shenoi, F. Hossein Nezhad, M. Kovše, S. Mohandas, A. Ramachandran, Peter F. Stadler, Transit sets of k-point crossover

Operators, AKCE International Journal of Graphs and Combinatorics, 17:1, DOI : 10.1016/jakcej.2019.03.019.

3. Changat, M., Mohandas, S., Mulder, H. M., Prasanth, G. Narasimha-Shenoi., Powers, R. C., & Wildstrom, D. J. (2018). Axiomatic characterization of the center function. The case of non-universal axioms. *Discrete Applied Mathematics*, *244*, 56-69.
4. Changat, M., Mohandas, S., Prasanth, G. Narasimha-Shenoi., Axiomatic Characterization of Anticenter Function of Some Classes of Graphs., AADM
5. Changat, M., Mohandas, S., Mulder, H. M., Prasanth, G. Narasimha-Shenoi, Powers, R. C., & Wildstrom, D. J. (2017). Axiomatic characterization of the center function. The case of universal axioms. *Discrete Applied Mathematics*.
6. M. Changat, D. V. Lekha, S. Mohandas, H.M. Mulder, A.R. Subbamthi, Axiomatic characterization of the median and antimedian function on a complete graph minus a matching. *Discrete Applied Mathematics.*

Paper Presentations

Sl No	Title of paper	Name of Conference	Date
1	**Axiomatic Characterization of Center Function on various Graphs**	**International Conference on Algebra and Discrete Mathematics**	**4-6 March, 2014**
2	**Structural and Betweenness Properties of k-point crossover operators**	**International Conference on Algebra and Discrete Mathematics**	**4-6 March, 2014**
3	**Axiomatic Characterization of Anticenter Function on some Graph Classes**	**International Conference on Graph Theory and its Applications**	**15-16 July 2015**
4	**Characterization of center function using Universal and Non-Universal Axioms**	**Recent Development in Graph Theory and its Applications**	**22-23 October 2018**

Areas Of Interest :

- Consensus Theory
- Music and Mathematics

Field of Research :

- **Metric Graph Theory**

Research Guideship Details

Number of students registered for Ph D   : 2

Number of students awarded   :

Seminars / Workshops Organized

Sl No	Name of the Programme	Venue	Date
1	**National Seminar on Operator Theory**	**Mathematics Library, GCC**	**Nov 16,17 - 2023**

Academic & Administrative Responsibilities

1. **Research Cell Convener**
2. **Admission Core Committee Member**
3. **Class Tutor (PG)**
4. **Member of Career Guidance Cell**