



Dr. Mahalakshmi P

Professor & Chairperson

Department of Mathematics

School of Engineering

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1. ABOUT

Dr. Mahalakshmi P is a Professor and Chairperson of the Department of Mathematics. She has 20+ years of teaching experience and obtained her Ph.D. in Mathematics from Bharathidasan University, Tamil Nadu. Her research focuses on **Applied Mathematics**, with particular interests in **Queuing Theory, Operations Research, Stochastic Models, Graph Theory** and **Mathematical Modelling** and their applications to various real-world problems.

2. RESEARCH INTERESTS

- Queuing Theory
- Operations Research
- Stochastic Models
- Graph Theory
- Mathematical Modelling

3. ACADEMIC QUALIFICATIONS

- Ph.D. in **Applied Mathematics** — **Bharathidasan University**, 2016
- M. Phil. — Alagappa University, 2007
- M. Sc. Mathematics — Seetha Lakshmi Ramaswamy college, **Bharathidasan University**, 2003

4. PROFESSIONAL EXPERIENCE

- Professor — School of Engineering, DSU, 05-11-2015 to till date
- Lecturer— KSIT, Bengaluru, 21-08-2010 to 30-03-2012
- Lecturer — Bishop Heber College, Tiruchirappalli, 01-06-2005 to 30-05-2008

5. RESEARCH HIGHLIGHTS

- Publications: 16 / Reputable peer-reviewed international journals indexed in Scopus and Web of Science, representing all quartile levels from Q1 to Q4
- Books/Book Chapters: 2/ Authored one book
- Patents: 2 / Granted
- Awards/Recognitions: Trainer/ Strides Pharma, BOSCH, Observer, External Expert, External Examiner
- Academic/Conference Roles: HOD, Administrator, Organizer, committee member
- Reviewer/Editorial Activities: Scholarly Contributions through Peer Review and Editorial Service

6. SELECTED PUBLICATIONS

1. Veena M. G. and Mahalakshmi P, QSPR Analysis of Antiviral and Antimalarial Drug Molecules via Reverse Degree-Based Topological Indices,” Bol. Soc. Paran. Mat., 44, 1-16/19, 2026 .
2. Narendra, V. H., Mahalakshmi, P., Deepika, T., “Analysing structure-boiling point relationships of oxo organic compounds using molecular descriptors.,” Iraqi Journal of Science, 66, 3852-3871/9, 2025.
- 3 Narendra, V. H., Mahalakshmi, “VL-total eccentricity index and VL-hyper total eccentricity index of some standard graphs ,” [Proceedings of Jangjeon Mathematical Society, 28, 151-164, 2025.
4. Veena M. G. and Mahalakshmi P, “ Vertex and edge partition of a silicon carbide using topological co-indices”, AIP, 3149, 140037, 2024.
5. Narendra, V. H., & Mahalakshmi, P., “A Theoretical Study on Correlation Analysis Between Eccentricity of VL-index and the Physical Properties of Alkanes,” *Asian Research Journal of Mathematics*, 19, 10, 103–113, 2023.
6. Narendra, V. N., Mahalakshmi, P., et al., “Computing Molecular Descriptors of Chitosan Derivatives and Its M-Polynomial Expressions,” 5, 953–968, 2023.

7. ACADEMIC PROFILES

- Google Scholar: <https://scholar.google.com/citations?user=clhxxk4AAAAAJ&hl=en>
- ORCID: <https://orcid.org/0000-0001-6899-8354>
- Scopus: <https://www.scopus.com/pages/authors/57213504776>

8. CONTACT

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