




Bharathiar University

State University | "A++" Grade by NAAC | 46th Rank in MoE-NIRF
Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

Dr S NARAYANAMOORTHY On Leave Department of Mathematics Bharathiar University Coimbatore Tamil Nadu E-mail: snmpd@buc.edu.in Phone: 9884588610 Office Number: 0422-2428412	
Research Area <ul style="list-style-type: none">• Fuzzy Mathematics• Decision Science• Differential Equations• Fuzzy Optimizations• Multi-Criteria Decision Making	Courses Teaching <ul style="list-style-type: none">• Real Analysis• Measure and Integration• Numerical Methods• Fuzzy Sets, Logic and Theory of Neural Networks• Matlab Theory and Practical• Linear Algebra
Research Experience: 22	Teaching Experience: 17
Research Credentials (as on September 2025 – Source: Google scholar) H-index: 2108 Citations: 24 i10-index: 65	
Publications International Journals: 14 Books/Chapters: 4	
Career Other Institutes 1. Designation : Lecturer Institution Name : SCP Jain College, Minjur, Chennai Period : January 2008 - January 2009 At Bharathiar University 1. Designation : Associate Professor Period : February 2021 - Till Date 2. Designation : Assistant Professor Period : February 2009 - February 2021	
Education Ph. D. Subject : Mathematics Institution : Loyola College, Chennai Affiliated University : University of Madras Year of Award : August 2008 M. Phil. Subject : Mathematics Institution : Loyola College, Chennai Affiliated University : University of Madras Year of Award : July 2002 M. Sc. Subject : Mathematics Institution : Loyola College, Chennai Affiliated University : University of Madras Year of Award : May 2001	



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Dr S NARAYANAMOORTHY , On Leave , Department of Mathematics

B. Sc.

Subject : Mathematics

Institution : Loyola College, Chennai

Affiliated University : University of Madras

Year of Award : May 1999

Projects

Research Guidance Completed

Ph.D. - 21

Institutional Responsibilities

Student Co-ordinator

Period :Feb 2009 to Till date

Nature of Responsibility :

Course Co-ordinator

Period :Feb 2009 to Till date

Nature of Responsibility :

Visits

1. Visiting Fellow -)
2. Visiting Fellow -)

Programs organized

1. Organizing Secretary -)
2. Organizing Secretary -)

Selected Publications

1. Fuzzy decision-analytics based lithium-ion battery selection for maximizing the efficiency of electric vehicles

Engineering Applications of Artificial Intelligence 159, 111709 (November 2025)

Thirumalai Nallasivan Parthasarathy, Samayan Narayanamoorthy, Dragan Pamucar, Daekook Kang

2. A fuzzy multi-criteria decision model for sustainable fracturing technique selection in hot dry rock geothermal systems

Journal of Cleaner Production 524, 146472 (September 2025)

Michael Sandra, Samayan Narayanamoorthy, Naif Almakayeel, Dragan Pamucar

3. An augmented fuzzy decision-making framework for evaluating renewable energy sources for hydrogen production: A case application to India

Renewable Energy, 124217 (August 2025)

Joseph Raj Vikilal Joice Brainy, Samayan Narayanamoorthy, Michael Sandra, Dragan Pamucar, Phi-Hung Nguyen, Subramaniam Pragathi, Daekook Kang

4. Optimizing Non-Invasive Remote Sensing For Geothermal Exploration With T-Spherical Dual Hesitant Fuzzy

Decision Model

Facta Universitatis, Series: Mechanical Engineering (May 2025)

Michael Sandra, Samayan Narayanamoorthy, Krishnan Suvitha, Dragan Pamucar, Daekook Kang



5. An Adaptive Decision-Making System for Behavior Analysis Among Young Adults

Cognitive Computation 17 (1), 25 (February 2025)

Subramaniam Pragathi, Samayan Narayanamoorthy, Dragan Pamucar, Daekook Kang

6. A systematic clinical healthcare model for assessing post-pandemic recovery in heart diagnosis

Applied Soft Computing 168, 112407 (January 2025)

Subramaniam Pragathi, Samayan Narayanamoorthy, Selvaraj Dhivya, Ranganathan Saraswathy, Vladimir Simic, Dragan Pamucar, Daekook Kang

7. The novel augmented Fermatean MCDM perspectives for identifying the optimal renewable energy power plant

location

Sustainable Energy Technologies and Assessments 53, 102488 (October 2022)

Samayan Narayanamoorthy, Thirumalai Nallasivan Parthasarathy, Subramaniam Pragathi, Ponnann Shanmugam, Dumitru Baleanu, Ali Ahmadian, Daekook Kang

8. Use of DEMATEL and COPRAS method to select best alternative fuel for control of impact of greenhouse gas

emissions

Socio-Economic Planning Sciences 76, 100996 (August 2021)

Samayan Narayanamoorthy, L Ramya, Samayan Kalaiselvan, Joseph Varghese Kureethara, Daekook Kang

9. A novel assessment of bio-medical waste disposal methods using integrating weighting approach and hesitant

fuzzy MOOSRA

Journal of Cleaner Production 275, 122587 (December 2020)

Sanda Narayanamoorthy, Vilik Annapoorani, Daekook Kang, Dumitru Baleanu, Jeonghwan Jeon, Joseph Varghese Kureethara, L Ramya

10. Interval-valued intuitionistic hesitant fuzzy entropy based VIKOR method for industrial robots selection

Expert Systems with Applications 121, 28-37 (May 2019)

Samayan Narayanamoorthy, Selvaraj Geetha, R Rakkiyappan, Young Hoon Joo