




Bharathiar University

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

<p>Dr M SUVINTHRA Assistant Professor Department of Applied Mathematics Bharathiar University</p> <p>Tamil Nadu E-mail: suvinthra@buc.edu.in Phone: 8903242282 Office Number: 0422 2428627</p>	
<p>Research Area</p> <ul style="list-style-type: none">• Probability and Stochastics• Differential Equations• Control Theory	<p>Courses Teaching</p> <ul style="list-style-type: none">• Topology• Partial Differential Equations• Nonlinear Differential Equations• Mathematical Methods• Distribution Theory• Fluid Dynamics• Discrete Mathematics• Operations Research• Programming in C++• Java Programming
<p>Research Experience: 11</p>	<p>Teaching Experience: 8</p>
<p>Research Credentials (as on September 2024 – Source: Google scholar)</p> <p>H-index: 6 Citations: 170 i10-index: 6</p>	
<p>Publications</p> <p>International Journals: 23 Books/Chapters: 1 National Journals: 3</p>	
<p>Career</p> <p>At Bharathiar University</p> <p>1. Designation : Assistant Professor Period : November 2016 - September 2025</p>	
<p>Education</p> <p>Ph. D. Subject : Mathematics Institution : Bharathiar University Affiliated University : Bharathiar University Year of Award : October 2016</p> <p>M. Phil. Subject : Mathematics Institution : Bharathiar University Affiliated University : Bharathiar University Year of Award : November 2013</p> <p>M. Sc. Subject : Mathematics Institution : Bharathiar University Affiliated University : Bharathiar University Year of Award : May 2012</p>	



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Dr M SUVINTHRA , Assistant Professor , Department of Applied Mathematics

B. Sc.

Subject : Mathematics

Institution : Avinashilingam University for Women

Affiliated University : Avinashilingam University for Women

Year of Award : May 2010

Projects

Research Guidance

Completed

Ph.D. - 4 M.Phil. - 4 PG - 10

Submitted

Ph.D. - 1

On Going

Ph.D. - 2 PG - 33

Institutional Responsibilities

IQAC Department Coordinator

Period :Jul 2020 to Till date

Nature of Responsibility :

Member, Institution's Innovation Council

Period :Sep 2020 to Till date

Nature of Responsibility :

Visits

1. International Congress on Industrial and Applied Mathematics (ICIAM 2015), China - 2015-08-03)
2. International Congress of Mathematicians (ICM 2018), Brazil (2018-07-31 - 2018-08-10)
3. Heidelberg Laureate Forum (HLF 2018), Germany (2018-09-10 - 2018-09-14)

Selected Publications

1. Large deviation principle for the stochastic Cahn-Hilliard/Allen-Cahn equation with fractional noise

Stochastic Analysis and Applications, 42, 327-353 (March 2024)

G. Amali Paul Rose, M. Suvinthra and K. Balachandran

2. Large deviations for stochastic pantograph integrodifferential equation

Filomat, 37, 6751-6766 (January 2023)

A Siva Ranjani, M Suvinthra and K Balachandran

3. Moderate deviations for stochastic Kuramoto-Sivashinsky equation

Stochastics and Dynamics, 6, 2250023, 22 pages (September 2022)

G. Amali Paul Rose, M. Suvinthra and K. Balachandran

4. Analysis of stochastic neutral fractional functional differential equations

Boundary Value Problems, 2022, 49, 26 pages (July 2022)

A. Siva Ranjani, M. Suvinthra, K. Balachandran and Y. Ma

5. Moderate deviations for stochastic tidal dynamics equations with multiplicative Gaussian noise

Applicable Analysis, 101, 1456-1490 (March 2022)

A. Haseena, M. Suvinthra, Manil T. Mohan and K. Balachandran

6. Large deviations for stochastic predator-prey model with nonlinear functional response

Journal of Applied Probability, 54, 507-521 (June 2017)

M. Suvinthra and K. Balachandran



7. Large deviations for stochastic differential equations with deviating arguments

Nonlinear Functional Analysis and Applications, 20, 659-674 (December 2015)

M. Suvinthra, K. Balachandran and J.K. Kim

8. Large deviations for stochastic tidal dynamics equation

Communications on Stochastic Analysis, 9, 477-502 (December 2015)

M. Suvinthra, S.S. Sritharan and K. Balachandran