**Faculty profile**

PASSPORT SIZE PHOTO

Faculty Name : Dr. Haseena A

Designation : Assistant Professor

PEN : 379147

Department : Mathematics

Is HOD : No

Permanent Address : Haseena Manzil, Kunnachi, Elappully, Palakkad 678622

Contact Number : 9747308345

Email : haseenalathif@yahoo.co.in

Experience Details :1. Assistant Professor, Govt. Engineering College,

Sreekrishnapuram

2. Assistant Professor, Govt.College Chittur

**Educational qualifications**

|  |  |  |
| --- | --- | --- |
| **Course** | **University/ Institution** | **Year of Pass** |
| UG | Mercy College, Palakkad |  |
| PG | Govt Victoria College, Palakkad |  |
| MPhil | Madurai Kamaraj University, Madurai |  |
| PhD | Bharathiar University, Coimbatore |  |

**Broad Area of Research : Differential Equations (Mathematics)**

**Publications** (Newest first)

1. A. Haseena, M. Suvinthra, Manil. T. Mohan and K. Balachandran, Moderate deviations for stochastic tidal dynamics equations with multiplicative Gaussian noise, Applicable Analysis (2020), 1-35.

2. A. Haseena, M. Suvinthra and N. Annapoorani, Large deviations for stochastic in- tegrodifferential equations of the Itˆo type with multiple randomness, Filomat, 32(2) (2018), 473-487.

3. A. Haseena, M. Suvinthra and N. Annapoorani, On large deviations of stochastic integrodifferential equations with Brownian motion, Discontinuity, Nonlinearity, and Complexity, 6(3) (2017), 281-294.

4. A. Haseena, M. Suvinthra, K. Balachandran and N. Annapoorani, Large deviation principle for stochastic differential equations with locally monotone coefficients, Filomat (submitted and processing awaited).   
5. A. Haseena, M. Suvinthra, K. Balachandran and N. Annapoorani, Large deviation principle for stochastic SIRI-PDE epidemic model with multiplicative Levy noise, Communications on Stochastic Analysis (submitted and processing awaited).

**Books/ Chapters Published**

1. Nil

2. Nil

**Paper Presentations**

|  |  |  |  |
| --- | --- | --- | --- |
| Sl No | Title of paper | Name of Conference | Date |
| 1 | Large Deviations for Two-Dimensional Stochastic Tidal Dynamics Equations driven by Levy Noise | Symposium on Differential Equations: Analysis, Computation and Applications, IIT Roorkee | Dec 2-3 2021 |
| 2 | Well Posedness and Large Deviations of a Stochastic SIRI Epidemic Model with Locally Lipschitz Coefficients | Industrial Conference of Industrial and Applied Mathematics, Bharathiar University Coimbatore | Dec 5-7  2019 |
| 3 | Large Deviations for SIRI Epidemic Model driven by Multiplicative Levy Noise | National Conference on Control and Inverse Problems,  Central University of Tamil Nadu, Thiruvarur | Mar 1-2 2019 |
| 4 | Large Deviations for a General Nonlinear Stochastic Integrodifferential Equations of the Ito Type | International Conference on Differential Equations and Applications, Bharathiar University Coimbatore | March 15-16  2017 |

Areas Of Interest :

* Large Deviations Theory
* Stochastic Partial Differential Equations
* Mathematical Fluid Dynamics
* Mathematical Biology

Field of Research :

* Large Deviations Theory
* Mathematical Fluid Dynamics
* Mathematical Biology

**Research Projects and Grants**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl No | Title | Funding Agency | Amount Sanctioned | Year |
| 1 | Large Deviations: Origin, Significance and Applications to Epidemiology(Student Project) | KSCSTE | 8000 | 2019 |
| 2 | Analysis of Groundwater Discharge, Contaminant Transport and Salt Intrusion in Coastal Aquifers using PDEs(Student Project) | KSCSTE | 10000 | 2020 |
| 3 | Marital Interactions and Divorce Prediction using Nonlinear Difference equations: A Cross Sectional Analysis (Student Project) | KSCSTE | 10000 | 2020 |

**Research Guideship Details**

Number of students registered for Ph D :1

Number of students awarded :0

**Seminars / Workshops Organized**

|  |  |  |  |
| --- | --- | --- | --- |
| Sl No | Name of the Programme | Venue | Date |
| 1 | Co-ordinated a one day workshop on “ Career Opportunities and Entrepreneurship”, Career Guidance and Placement Cell | Government College Chittur | Dec 15,2021 |
| 2 | Co-ordinated the three day seminar on Linear Algebra, Dept of Mathematics, Government College Chittur | Government College Chittur | Jan 12-14  2017 |
| 3 | Co-ordinated the three day national workshop on “Linear Algebra and Appli- cations”, | Govt. Engineering College, Sreekrishnapuram, | Oct31-Nov 2  2013 |

Professional Appointments (Such as Chairman, Director etc)

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No** | **Position** | **Name of Institution/Body** | **Date/Year** |
| **1** |  |  |  |
| **2** |  |  |  |

**Recognition and Awards**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl No** | **Name of Award** | **Agency** | **Year** |
| **1** |  |  |  |
| **2** |  |  |  |

**Academic & Administrative Responsibilities**

1. Convenor, Career Guidance and Placement Cell (November 2021-present)
2. Coordinator, Spoken Tutorial an initiative of National Mission on Education

through ICT, MHRD, Govt. of India in collaboration with IIT Bombay, 2015, 2016.

3. Resource person, Scholar Support Programme, a Kerala Government Initiative

to provide remedial coaching for undergraduate students, 2014, 2020

**Any Other Details to Specify:**

1. Life Member - Indian Society for Industrial and Applied Mathematics