

|                      |                     |   |
|----------------------|---------------------|---|
| <b>NAME</b>          | Dr. GIRISH BABU M   |  |
| <b>DESIGNATION</b>   | ASSISTANT PROFESSOR |   |
| <b>QUALIFICATION</b> | M.Sc, B.Ed, Ph.D    |   |
| <b>EMAIL ID</b>      | girstat@gmail.com   |   |
| <b>PHONE NO</b>      | 09447395825         |   |

| <b>RESEARCH AREAS</b>                                     |
|---|
| Distribution Theory, Time Series Modeling, Data Analytics |

## ACADEMIC QUALIFICATIONS

| <b>NAME OF THE PROGRAMME</b> | <b>INSTITUTION/UNIVERSITY</b> | <b>YEAR OF PASSING</b> |
|------------------------------|-------------------------------|------------------------|
| PhD                          | University of Calicut         | 2020                   |
| B.Ed                         | University of Calicut         | 1996                   |
| MSc                          | University of Calicut         | 2000                   |
| NET (Mathematical Sciences)  | UGC-CSIR                      | 2002                   |

## CAREER HISTORY/TEACHING EXPERIENCE

| <b>DESIGNATION</b>  | <b>INSTITUTION/UNIVERSITY</b>           | <b>YEAR OF SERVICE</b>  |
|---------------------|---|-------------------------|
| Assistant Professor | Govt Arts and Science College Kozhikode | 9 Years<br>(Continuing) |

|                           |   |          |
|---------------------------|---|----------|
| Assistant Professor       | CHMKM Govt Arts and Science College Koduvally         | 4 Years  |
| Assistant Director        | Economics and Statistics, Govt of Kerala              | 2 years  |
| Research Officer          | Economics and Statistics, Govt of Kerala              | 5 years  |
| Lecturer in Biostatistics | Govt. Medical College, Kozhikode                      | 3 months |
| Lecturer in Biostatistics | TDMC Govt. Medical College Alappuzha                  | 2 Years  |
| Lecturer in Statistics    | Department of Computer Science, University of Calicut | 1 Year   |
| HAS(Maths)                | GHS Velliyode, Kallachi, Vadakara                     | 1 Year   |

## PHD THESIS

| SL. NO | TITLE   | GUIDE NAME       | INSTITUTION                                     | MONTH/ YEAR   |
|--------|---|------------------|---|---------------|
| 1.     | STUDY ON SOME GENERALIZATIONS OF WEIBULL DISTRIBUTION | Dr. K. Jayakumar | Department of Statistics, University of Calicut | January, 2020 |

## ACHIEVEMENTS

| SL. NO. | NAME                      | DESCRIPTION   | MONTH/ YEAR |
|---------|---------------------------|---|-------------|
| 1.      | Second Rank               | M.Sc. Statistics  | April, 2000 |
| 2.      | Best Research Paper Award | Prof. T.S.K. Moothathu Best Paper Award by Kerala Statistical Association | March, 2021 |

## JOURNAL PUBLICATIONS

| SL. NO | TITLE  | NAME OF JOURNAL / VOL. NO / ISSUE NO / PAGE NOS       | ISSN NO   | MONTH / YEAR |
|--------|--|---|-----------|--------------|
| 1      | A Generalization of Weibull Distribution: Theory and Applications. | Advances and Applications in Statistics, 83(12), 1-25 | 0972-3617 | 2022         |

|     |  |  |           |      |
|-----|--|--|-----------|------|
| 2.  | Type II Half-Logistic Odd Fréchet Class of Distributions: Statistical Theory and Applications  | Symmetry, 14(), 1-21   | 2073-8994 | 2022 |
| 3.  | Application of a Non-Linear multi-model Ayurveda Intervention in elderly COVID-19 patients-a retrospective case series   | Journal of Ayurveda and Integrative Medicine, 13(1), 100476          | 0975-9476 | 2022 |
| 4.  | The Yun transform in probabilistic and statistical contexts: Weibull baseline case and its applications in reliability theory  | Journal of Computational Mathematics and Data Science, 1(1), 100002  | 2772-4158 | 2021 |
| 5.  | General classes of complementary distributions via random maxima and their discrete version  | Japanese Journal of Statistics and Data Science, 4, 797-820          | 2520-8764 | 2021 |
| 6.  | Comparison of dose volumetric parameters of oesophagus in the radiation treatment of carcinoma breast with and without oesophagus delineation  | Journal of Radiotherapy in Practice, 22, e10                         | 1467-1131 | 2021 |
| 7.  | Dosimetric Evaluation of Oesophagus in Hypofractionated Supraclavicular Nodal Irradiation in Breast Cancer-A Retrospective Observational Study in a Tertiary Care Cancer Centre in Alappuzha, Kerala | Journal of Evidence Based Medicine and Health Care, 8(32), 2974-2979 | 2349-2562 | 2021 |
| 8.  | On a generalized class of Weibull distribution and its applications  | Journal of the Kerala Statistical Association, 30(1), 21-46          | 2249-4553 | 2019 |
| 9.  | A new generalization of the Frechet Distribution: Properties and Application   | Statistica, 79(3), 267-289   | 1973-2201 | 2019 |
| 10. | Discrete additive Weibull geometric distribution   | Journal of Statistical Theory and Applications, 18(1), 33-45         | 1538-7887 | 2019 |
| 11. | Further Developments on the T-Transmuted X family of Distributions   | Biostatistics and Biometrics Open Access Journal, 7(4), 1-3          | 2573-2633 | 2018 |
| 12. | Further Developments on the T-Transmuted X Family of Distributions II  | Biostatistics and Biometrics Open Access Journal, 8(2), 1-3          | 2573-2633 | 2018 |

|     |  |  |           |      |
|-----|--|--|-----------|------|
|     |  |  |           |      |
| 13. | Crude <i>Bacillus thuringiensis</i> pellets efficiently combats <i>Eutetranychus orientalis</i> , the spider mite  | International Journal of Pest Management, 64(3), 243-251                     | 1366-5863 | 2018 |
| 14. | Comparative Study of the Lung Volume included in the Tangential Field in Body Contour Based and CT Scan Based 2-dimensional Radiation Planning in Breast Cancer Treatment. | Journal of Evolution of Medical and Dental Sciences, 7(21), 2599-2603        | 2278-4802 | 2018 |
| 15. | Discrete Weibull geometric distribution and its properties   | Communications in Statistics-Theory and Methods, 47(7), 1767-1783            | 0361-0926 | 2018 |
| 16. | A New Bivariate Distribution with Modified Weibull Distribution as Marginals   | Journal of the Indian Society for Probability and Statistics, 19(2), 271-297 | 2364-9569 | 2018 |

#### CONFERENCE PUBLICATIONS

| SL. NO. | TITLE   | NAME                            | VENUE, MONTH /YEAR               |
|---------|---|---------------------------------|----------------------------------|
| 1.      | Characterizations of Weibull Truncated Negative Binomial Distribution | ADVANCES IN STATISTICAL METHODS | Kannur University, November 2018 |
|         |   |                                 |                                  |

#### BOOKS EDITED

| SL. NO | TITLE | ISBN NO. | MONTH/ YEAR |
|--------|-------|----------|-------------|
| 1.     |       |          |             |

#### BOOKS Chapters

| SL. NO | TITLE | ISBN NO. | MONTH/ YEAR |
|--------|-------|----------|-------------|
| 1.     |       |          |             |

**ORIENTATION/REFRESHER COURSES ATTENDED**

| SL. NO | NAME OF THE PROGRAMME   | NAME OF THE ORGANIZER          | MONTH/ YEAR   |
|--------|---|--------------------------------|---------------|
| 1.     | UGC-Sponsored Orientation Programme   | ASC- University of Calicut     | October 2013  |
| 2.     | UGC-Sponsored Refresher Course in Environmental Studies (Interdisciplinary)           | ASC- University of Calicut     | January 2015  |
| 3.     | Refresher Course in Mathematical Science(Mathematics & Statistics)                    | HRDC, University of Calicut    | December 2019 |
| 4.     | Refresher Course on Curriculum Design, Development and Assessment (Multidisciplinary) | MHRD-TLC University of Calicut | October 2020  |

**SEMINARS ORGANIZED**

| SL. NO | NAME OF THE SEMINAR                              | NAME OF THE ORGANISER & SPONSORING AGENCY   | VENUE & DATE                               | POSITION HELD | LEVEL *  |
|--------|--|---|--|---------------|----------|
| 1      | Two day Workshop on Statistical computing with R | Dept of Statistics,<br>CHMKM Govt Arts and Science College<br>Koduvally.<br>Directorate of Collegiate Education | Computing Lab,<br>04/11/2019 to 05/11/2019 | Co-ordinator  | National |

**PROFESSIONAL AFFILIATIONS/MEMBERSHIPS**

- Member, Board of Studies (PG), Calicut University.
- Member Board of Studies (PG), Kannur University.
- Faculty of Science, Calicut University.
- Life Member, Kerala Statistical Association.
- Life member Indian Society for Probability and Statistics.

## INVITED TALKS DELIVERED

| Date       | Organizer   | Topic   | Programme                   |
|------------|---|---|-----------------------------|
| 30.08.2022 | PG Department of Economics, St. Mary's College, Sulthan Bathery | Introduction to Data Analysis Using SPSS Software | Regional Seminar            |
| 05.02.2022 | UGC-HRDC University of Calicut                                  | SPSS an Introduction                              | Faculty Induction Programme |