

Dr. R.Geetha

PRINCIPAL

Shrimathi Devkunvar Nanalal Bhatt Vaishnav College for women,
Chromepet, Chennai-44 .

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Academic Contributions

- Presently Holding Position of **PRINCIPAL** from the academic year 2018-2019
- Possessing **35years of teaching experience** as Associate Professor in UG Department of Statistics
- **College Admission Co-ordinator** for the academic year **2017-2018**
- **Dean of Research** for the academic year **2015-2017**
- **Controller of Examinations (2012-2014)**
- **Additional Controller of Examinations from November 2011 – May 2012**
- **NAAC Coordinator in Shrimathi Devkunvar Nanalal BhattVaishnav College for Women, Chennai in 2011-12.**
- **IQAC Coordinator in Shrimathi Devkunvar Nanalal Bhatt Vaishnav College for Women, Chennai in 2010-11.**
- **Coordinator for Extension of autonomy 2012**

Academic Qualifications:

Division / Exam Passed	Board/ University	Subject	Year	Grade/Merit
B.Sc	University of Madras	Statistics	1984	I Class University First
M.Sc	University of Madras	Statistics	1986	I Class
M.Phil	University of Madras	Statistics	1991	
Ph.D	University of Madras	Statistics	2005	-

Teaching Experience:

Courses Taught	Name of University/ College/ Institution	Duration
Statistics	ShrimathiDevkunvarNanalalBhattVaishnav College for Women, Chromepet, Chennai-44	1987-Till date

Research Contributions:

Research Stage	Title of work / Thesis	University where the work was carried out
Ph.D completed in 2005	Fractal approach for Model Identification in Time series	University of Madras

- Member of the Doctoral committee for Ph.D students in colleges affiliated to University of Madras
- External Examiner for conducting Ph.D.viva voce for students in colleges affiliated to University of Madras.
- External Examiner for M.Phil. students in colleges affiliated to University of Madras.
- Life member of Indian Science Congress Association, Indian Society of Probability and Statistics, Indian Society of Medical Statistics, International Indian Statistical Association
- Reviewer online in Journal of Applied Statistics

Research Guidance

M.Phil

Completed - 4

Ph.D

Guiding - 4

Completed - 1

Details of Seminars / Conference / Symposia attended :

S.No	Conferences/Symposia/Seminar/Workshop	Organized by	Funding Agency	Date
1.	National Workshop on Biostatistics	IIT Kharagpur		08-09-2011 to 10-09-2011
2.	National level workshop on Exam Reforms	The Controller of Examinations, Ethiraj College, Chennai	UGC sponsored	03-02-2012 to 04-02-2012
3.	Workshop on Biostatistical Inference	Department of Statistics, Madras Christian college	UGC sponsored	25-02-2012
4.	International workshop on “Statistics for Proteomics and Clinical Research”	Bharathidasan University, Trichy	UGC Funded	07-08-2012
5.	“Capacity Building of Women Managers in Higher Education”	University of Madras Guindy Campus	UGC Funded	07-01-2013 to 11-01-2013

Paper Presentation:

S.No	Title of the paper	Name of conference	Year
1	Fractal dimension of Time series generated by first order stochastic difference equation with independent Cauchy errors.	National Seminar on Statistics- A lead to the facts-Loyola College, Chennai	2006
2	Fractal approach to the estimation of the parameters of a linear stochastic difference equation with independent Normal errors	National conference on Recent Trends in Statistical Methodologies, Presidency College, Chennai	2006
3	Fractal analysis for Stride Interval in Human Gait	Indian Society Of Medical Statistics-Silver jubilee National Conference-Manipal University, Manipal	2007
4	Sampling Distribution of Fractal Dimension Using Bootstrapping	International Conference on Statistics & Applications in OR, Management/Life Sciences in Conjunction with XXVII Annual Convention of Indian Society For Probability and Statistics, Nagpur University	2008
5	Multivariate Time Series clustering using Fractal Dimension	XI Annual Conference of the Society of Statistics, Computer and Applications, University of Madras	2009
6	A Genetic Algorithm based method for Weibull Parameter Estimation	International Conference on Statistics and Information analytics, Loyola College	2010
7	Fractal model for Microarray data	International conference on Statistics in conjunction with VIII International Indian Statistical Association Joint Statistical Meeting and XXIX Annual Conference of ISPS, Andhra University	2010
8	Environmental light affects the prevalence of breast cancer	International Conference on Light pollution Theory, Modelling and Measurements, Smolenice, Slovak Republic	2013
9	Effects of socioeconomic factors on children ever born- A comparative study using census data	Census dissemination workshop 2014 organised jointly by MIDS and Directorate of Census operations, Chennai	2014

10	Joint GLM of mean and dispersion for the determinants of Child mortality	National conference on recent trends in Statistical Theory and Practice, March 16-17, 2015, University of Madras, Chennai	2015
11	Path Analysis for the effects of socio economic factors on Children Ever born in India	National Conference on Recent Trends in Statistical Theory and Practice, March 16-17, 2015, University of Madras, Chennai	2015
12	Modelling the socio economic determinants of children ever born in India using Poisson Regression	International conference on New Horizons in Statistical Modelling and applications, Feb 28, 2015	2015
13	Sudoku Square Design	International Conference on Statistics & Big Data Bioinformatics in Agricultural Research" ICRISAT Hyderabad, India November 21-23	2016
14	Modeling of Diagnostic test Performances using the summary indices of Lorenz Curve	International Conference on Statistics & Big Data Bioinformatics in Agricultural Research" ICRISAT Hyderabad, India November 21-23	2016

Invited Lectures Or Presentations For Conferences / Symposia (International / National)

1. "Applications of Statistics in Science and Management" in JBAS College for Women, Chennai-18(2012)
2. "Statistical tools in Biotechnology" in Hindustan College of Arts and Science, Chennai-103(2013)
3. Key note address in inauguration of Statistics Association, Madras Christian College, July 14, 2016
4. "Random variables and probability function" in National Institute of Epidemiology, 7th Sep, 2016
5. "Training on "R Programming Language" Tamilnadu State Statistical Training Institute, DMS Campus, Teynampet, Chennai-6, on 25th Nov 2016

6. “Sampling Methods & Questionnaire Framing” in UBCHEA funded programme 'Building Confidence in Research among Young Faculty through appropriate Computational Methods at Madras Christian College on Oct 5,2017
7. Orientation program for school students to choose Statistics as a course of study in DRBCC Hindu college Pattabiram,Chennai-72,(2017)
8. “Biostatistics and solving through Excel” at Vellalar college for women ,Erode ,6th and 7th March 2018
9. “Case study on Statistical tests of significance” for B.Com Honours students of SDNB Vaishnav College for Women, 2017 and 2018
10. Chairperson –International conference on Statistics and Information Analytics 2011

Journal Publications:

1. S.Visalakshi&R.Geetha . Modelling age specific fertility rate in India through fertility curves Bulletin of Pure & Applied Sciences-Mathematics and Statistics 37 (2), 391-405, 2018
2. R.Geetha. *Fractal Analysis of Stride Interval in Human Gait*, International Journal Of Scientific Research Volume : 4 ,Issue : 5, pp 125-126,ISSN No 2277 – 8179,May 2015:
3. S.Sampath,V.Varalakshmi,R.Geetha. *Estimation of Parabolic Populations under Systematic Sampling Schemes*, Journal of Applied Statistics, 36, (2009), 1281-1292
4. S.Santhanalakshmi&R.Geetha .*Tweedie distribution in Statistical Modelling of Infant Survival time ,International Journal of Ecological Economics and Statistics* ,Ceser publications, 2017, Volume: 38, Issue Number: 1 ISSN 0973-7537(online);ISSN 0973-1385(Print)
5. S.Santhanalakshmi& R. Geetha . Mapping Demographic Diversity in Indian States: an Analysis of 2011 Census ,Global Journal For Research Analysis,Vol-4,Issue:6,Pg No:11- 13, ,June 2015
6. S.Santhanalakshmi&R.Geetha . Joint GLM of Mean and Dispersion for the Determinants of Child Mortality, Research Journal of Mathematical and Statistical Science,Vol-4,Issue-2 Pg.No:1-5, ,March 2016
7. S.Visalakshi&R.Geetha .Study of influence of Macroeconomic determinants on

fertility using Generalized Poisson Regression, Bulletin Of Mathematics And Statistics Research, Vol.4.Issue.2. pp 67-72, April 2016

8. S.Santhanalakshmi&R.Geetha .Tweedie Modelling for the Determinants of Child Mortality ,IOSR Journal of Humanities And Social Science, Vol 21,Issue-4,Pg No:35-40,e-ISSN:2279-0837, ,April 2016
9. S.Visalakshi&R.Geetha .A comparative study on the effects of socio-economic factors for children ever born,International Journal of Current Research,Vol 8,Issue 08,pp 35983-35987,August 2016
10. S.Visalakshi&R.Geetha. Effects of socio-economic factors on children ever born using Path Analysis,International Journal of Management, IT and Engineering , ,Vol-6,Issue 11,145-155, ,November 2016
11. R.Geetha (2011). Bayesian Fractal model for microarray data. Proceedings of 2nd IIMA International Conference on Advanced Data Analysis, Business Analytics and Intelligence, Indian Institute of Management, Ahmedabad ISBN No:978-81-909529-1-0
12. P.D Gupta, K.Pushkala, R.Geetha Differential Drift in Menarcheal Age in Blind and Sighted Girls, Gynaecology and Perinatology Scientiaricerca, Volume 2, Issue 4, 2018 , 333 – 339