




# Bharathiar University

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

<p><b>Dr K PRADEEPA VEERAKUMARI</b> Associate Professor Department of Statistics Bharathiar University</p> <p>Tamil Nadu <b>E-mail:</b> pradeepaveerakumari@buc.edu.in <b>Phone:</b> 9443937722 <b>Office Number:</b> 0422-2428477</p>	
<p><b>Research Area</b></p> <ul style="list-style-type: none"><li>• Statistical Quality Control</li><li>• Reliability Sampling Plans and Life testing</li><li>• Artificial Intelligence and Machine Learning</li><li>• Optimization Techniques</li></ul>	<p><b>Courses Teaching</b></p> <ul style="list-style-type: none"><li>• Statistical Quality Control – Product Control and Acceptance sampling Plans</li><li>• Reliability and Lifetime Distributions</li><li>• Implementing Artificial Intelligence and Expert systems in Bayesian Acceptance Sampling Plans</li><li>• Artificial Intelligence and Machine Learning Techniques</li><li>• Multivariate Statistical analysis and its Applications</li><li>• Econometric Modeling</li><li>• Optimization Techniques</li><li>• Sampling Theory</li><li>• Official Statistics</li><li>• Statistical Software Packages (SPSS, STATISTICA, MINITAB)</li><li>• R Programming (Statistical Techniques Programming and Application in diversified industries, Implications of Artificial Intelligence and Machine Learning techniques supported by Multivariate Techniques that includes Principal Component analysis, Clus</li></ul>
<p><b>Research Experience:</b> 17</p>	<p><b>Teaching Experience:</b> 17</p>
<p><b>Research Credentials</b> (as on September 2025 – Source: Google scholar)</p> <p>H-index: 8                      Citations: 247                      i10-index: 7</p>	
<p><b>Publications</b> International Journals: 59</p>	
<p><b>Career</b></p> <p><b>At Bharathiar University</b></p> <ol style="list-style-type: none"><li><b>1. Designation : Associate Professor</b> Period : February 2021 - Till Date</li><li><b>2. Designation : Assistant Professor</b> Period : February 2011 - February 2021</li></ol>	
<p><b>Education</b></p> <p><b>Ph. D.</b> Subject : Statistics Institution : Bharathiar University Affiliated University : Bharathiar University Year of Award : September 2009</p>	



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Dr K PRADEEPA VEERAKUMARI , Associate Professor , Department of Statistics

## M. Sc.

Subject : Statistics

Institution : Bharathiar University

Affiliated University : Bharathiar University

Year of Award : May 2004

## B. Sc.

Subject : Statistics

Institution : Sri Saradha Niketan College of Science for Women, Karur

Affiliated University : Bharathidasan University

Year of Award : April 2002

### Projects

#### National Level

Ongoing - completed - 2

### Research Guidance

#### Completed

Ph.D. - 11

#### Submitted

Ph.D. - 1

#### On Going

Ph.D. - 5

### Selected Publications

#### 1. Designing Of Sksp-Lot Sampling Plan Of Type Sksp-T With Double Sampling Plan As Reference Plan

Emerging Innovations and Applications in Computer Science, Statistics and Data Science,37,301 (October 2025)  
S Suganya, K Pradeepa Veerakumari

#### 2. Designing An Economic Repetitive Group Sampling Plan For Life Tests Based On Percentiles Of Exponentiated

##### Rayleigh Distribution

Reliability: Theory & Applications,20,265-270 (June 2025)  
P Umamaheswari, S Suganya, K Pradeepa Veerakumari

#### 3. A Study On Comparison Of Various Continuous Sampling And Skip-Lot Sampling Plan Procedures

Reliability: Theory & Applications,20,439-444 (March 2025)  
S Suganya, K Pradeepa Veerakumari

#### 4. Performance Evaluation Study of Reliability Acceptance Sampling Plans Based on Compound Exponential-

##### Geometric Distribution

International Journal of Reliability, Quality and Safety Engineering (February 2025)  
Pradeepa Veerakumari Kumarasamy, N Ganga

#### 5. Acceptance—Rejection Criteria Based on Birnbaum—Saunders Lifetime Distribution Using Intervened Poisson

##### Distribution

Quality and Reliability Engineering International (January 2025)  
Pradeepa Veerakumari Kumarasamy, Thulasilakshmi Ramesh, Asif T. Thottathil

#### 6. A New Structure and Modus Operandi for Reliability Attribute Acceptance Sampling Plans using bivariate

##### Poisson distribution with its application in One-shot Syringes

Asian Journal of Statistical Sciences,4,83-101 (December 2024)  
K. Pradeepa Veerakumari and M. Mynarani



**7. Lot acceptance criteria for products following attribute single sampling plan and its impact towards discretization of some continuous lifetime distributions**

International Journal of Statistics and Applied Mathematics,9,45-54 (November 2024)  
K Pradeepa Veerakumari,N Ganga, R Thulasilakshmi ,M Mynarani, Asif T Thottathil,

**8. Scheming and Economic Analysis of SkSP-3 involving Destructive and Non-Destructive Testing of Cross Member Automotive Spare Parts**

Scheming and Economic Analysis of SkSP-3 involving Destructive and Non-Destructive Testing of Cross Member Automotive Spare Parts (August 2024)  
M KOKILA, S Suganya

**9. A Study Utilizing Advanced Machine Learning Techniques To Analyze Gestational Diabetes Mellitus And Its Implementations**

JP Journal of Biostatistics,24,227-237 (April 2024)  
Velu Chinnasamy Shanmugam, C Vijayalakshmi, M Mynarani, K Pradeepa Veerakumari

**10. An Exhaustive Empirical Statistical Analysis And Interpretation Of Bitcoin Data**

Advances and Applications in Statistics,91,421-437 (February 2024)  
Velu Chinnasamy Shanmugam, Pradeepaveerakumari Kumarasamy, C Vijayalakshmi