Basanagouda S.Biradar

Curriculum Vitae

■ Personal

Date of Birth : June 01,1963.

Email: biradarbs1@gmail.com, biradarbs@statistics.uni-mysore.ac.in

Mobil Phone No.: 91-9449682615

Marital Status: Married

Wife: Smt. Neela Biradar (House Maker)

■ Educational Qualifications

2003: Ph.D. Karnataka University, Dharwad

Thesis Title: Nonparametric Tests for Two and Several Sample Problems (Based on Complete and Censored Data)

1992: M.Phil. Karnataka University, Dharwad

Thesis Title: Some Nonparametric Tests for Multi-Sample Problems based on U-Statistics

1988 : M.Sc. (Statistics) , Gulbarga University, Kalburgi

1986: B.Sc. (Statistics, Mathematics, Physics), Karnatak University Dharwad

■ Academic Positions

2024– : Senior Professor, Department of Studies in Statistics, University of Mysore, Mysuru

2014–2024 : Professor, Department of Studies in Statistics, University of Mysore, Mysuru

2009–2014: Associate Professor, Department of Studies in Statistics, University of Mysore, Mysuru

2007–2009: Reader, Department of Studies in Statistics, University of Mysore, Mysuru

2006-2007 : Lecturer (Selection Grade) in Statistics, Karnatak Arts College Dharwad

2001-2006: Lecturer (Senior Scale) in Statistics, Karnatak Arts College Dharwad

1996-2001: Lecturer in Statistics, Karnatak Arts College Dharwad

1995-1996: Lecturer in Bio-Statistics, BLDE Medical College Bijapur.

■ **Courses Taught** (at Graduate, Post-graduate and Ph.D.Course work level)

Graduate Level: Descriptive Statistics, Probability Theory, Distribution Theory, Theory of Estimation and Testing of Hypotheses, Nonparametric Tests, Sequential Probability Ratio Tests(SPRT), Regression Analysis, Analysis of Variance and Design of experiments, Operations Research(OR).

Post-Graduate: Probability Theory and Distributions, Statistical Inference, Nonparametric Inference (Optional Paper), Linear Algebra, Real Analysis, Multivariate Analysis, Statistical Computing using R language, Computational Statistics, Reliability Analysis and Numerical Techniques.

Ph.d. Course Work : U-Statistics and Theory of Rank Tests, Bootstraps Methods in Statistics.

■ **Research Interest**

Nonparametric Inference,

Statistical inference based on Ranked Set Sample

Statistical Inference based on Information Theory (Entropy Measures)

Statistical inference based on Order Statistics.

Goodness of Fit Tests

Reliability and Survival Analysis

Optimization Techniques

■ **Administrative Responsibilities held**

2023-: Chairman, Department of Studies in Statistics, University of Mysore, Mysuru.

2023- : Member Academic Council, JSS College for Women, Kollegal

2022- : Member Academic Council, SBRR Mahjana First Grade College Mysuru

2022- : Member Academic Council, Maharani College of Science for Women (Autonomous) ,Mysuru.

2019: Director Internal Quality Assurance Cell (IQAC), University of Mysore, Mysuru.

2019-2021 : Chairman, Department of Studies in Statistics, University of Mysore Mysuru.

2018-2022: Nodal Officer, National Academic Depository (NAD), University of Mysore, Mysuru.

2018-2019: Nodal Officer KSET Centre, University of Mysore, Mysuru.

2013-2015: Chairman, Department of Studies in Statistics, University of Mysore, Mysuru.

2009-2013 : Nodal Officer, Statistical Cell, University of Mysore, Mysuru.

■ Membership in Academic Bodies

1. Member, Board of Studies (BOS) in Statistics(Combined Board), University of Mysore, 2007- till date

2. Member, Board of Examiners (BOE) in Statistics, University of Mysore, Mysuru, 2007- till date.

3. Member, Faculty of Science and Technology, University of Mysore, Mysuru., 2007- till date.

4. Chairman Board of Studies in Statistics (Combined Board) ,University of Mysore, Mysuru, 2019-2022.

5. Expert Committee Member to prepare Model Curriculum contents for Under Graduate (UG) (Basic/Honors)) and Post graduate (PG) Programs in Statistics under NEP-2020, Government of Karnataka : August 2021 to date.

6. Visiting Fellow under UGC-DRS-SAP-I Program at the Post Graduate Department of Statistics, Karnataka University, Dharwad, during , 2017.

7. Member BoS in Bioinformatics, Karnataka State Women University, Vijaypura, 2009-2013 (Two Terms)

8. Member BoS in Statistics, Karnataka State Women University,Vijaypura,2012-2013 .

9. Member, BoS in Commerce (PG), University of Mysore, Mysuru, 2010-2013.

10. Member, BoS in Computer Science (PG), University of Mysore, Mysuru, 2016-2019

11. Member, BoS in Statistics (UG), Yuvarja's College (Autonomous), Mysuru, 2018-2020

12. Member, BoS in Statistics (UG), Maharani Science College for Women (Autonomous), Mysuru, 2018-2021.

13. Member, BoS in Library and Information Science (Combined Board), University of Mysore, Mysuru., 2019-2022.

14. Member, BoS in Mathematics (PG), University of Mysore, Mysuru, 2019-2022.

15. Member, BoS in Statistics (UG), Karnatak University, Dharwad, 2021-till date.

16. Member, BoS in Statistics (PG), Karnatak University, Dharwad, 2023-till date.

17. Member, BoS in Statistics (Combined Board), Mangalore University, Mangalore, 2024-till date.

18 . Member, BoS in Statistics (PG), Gulbarga University Kalaburgi, 2021-2023.

19. Chairman BoE in Statistics Mangalore University, Mangalore, 2023-2024.

20. Worked as expert committee member of National level project completion of M.Sc (Statistics) Students**.**

21. Chairman Local Inquiry Committee (LIC) University of Hasan, Hasan, 2023-2024.

■ Conferences and workshops organized /advisory committee member

1. Member of Organizing Committee , Organized the Centenary Lectures series in Statistics by inviting 16 experts during September 2015 – June 2016 as part of the Centenary Celebrations of the University of Mysore.

2.Advisory Committee member of ISPS conference International Conference on Theory and Applications of Statistics and Information Sciences, January 5 - 7, 2018, Bharathiar University.

3. Convener of Three-day Workshop-cum-Seminar to commemorate the 75th year of Teaching of M.Sc. Statistics at the Department of Studies in Statistics, University of Mysore, during February 08-10, 2018 .

4.Member of Organizing Committee of Three-day Workshop-cum-seminar on R in the Department of Studies in Statistics, University of Mysore, during February 28-March 02, 2019.

5. Advisory Committee member of ISPS conference Recent Advances in Statistics and Data Science for Sustainable Development , during 21-23 December 2019 at Utkal University Bhubaneswar.

6. Convener of Two Day Seminar on Recent Developments in Statistical Sciences, in the Department of studies in Statistics University of Mysore, during March 06-07, 2021.

7. International Conference on "Statistics, Data Science and Reliability: Exploring Trends, Methods & Applications(IC-SDSRETMA-2023)" during December 24-26, 2023, at the Department of Statistics, M.D. University, Rohtak (Haryana).

8.Advisory Committee member of International Conference on Innovative Trends in Statistics, Optimization and Data Science (IC-ITSODS-2024), Department of Statistics and Operations Research during December 21-23,2024.

9. Convener of Workshop on Census Data Dissemination Jointly organized by the University of Mysore and Directorate of Census Operations , Karnataka ,January 23,2014.

10. Has Organized Seminars and Workshops in the Department as faculty and Chairman of the Department, Department of Statistics.

11. Advisory Member of IQAC of the University of Mysore during 2019-201.

■ Membership in scientific societies

1. Associate Editor – International Journal of Agricultural and Statistical Sciences: Since 2018.

2. Executive Member of Indian Society for Probability & Statistics :Two terms , during 2015-2019.

3. Life member of Indian Society for Probability & Statistics: Since 1996.

4. Life member of International Indian Statistical Association (IISA): Since 2007.

5. Member Biometrics Society: during 2005-2008.

■ Research Projects

1. DST-FIST-Phase I- 2007-2009: Department of Studies in Statistics, University of Mysore, Mysuru.

2. 2006-2008: UGC MRP : Some Nonparametric Tests for Failure Rate Ordering and Stochastic Ordering Based on Incomplete Data in the Presence of Competing Risks.

■ Service on Editorial Board

Communications in Statistics, Austrian Journal of Statistics , Journal of Indian Statistical Association, Journal of the Indian Society of Probability and Statistics, Thailand Statistician, Mathematica Slovaca., International Journal of Agricultural and Statistical Sciences, Karnatak University Journal of Sciences.

■ Presentations in Conferences

1. Endowment Lecture: On 'Rank Tests for Two-sample problems based on subsets of order statistics' at International Conference on Innovative Trends in Statistics, Optimization and Data Science (IC-ITSODS-2024), Department of Statistics and Operations Research during December 21-23,2024.

2. Invited Talk: On Bayesian estimation of the scale parameter of Weibull distribution using ranked set samples. International Conference on "Statistics, Data Science and Reliability: Exploring Trends, Methods & Applications(IC-SDSRETMA-2023)" during December 24-26, 2023, at the Department of Statistics, M.D. University, Rohtak (Haryana).

3. Invited Talk: On Bayesian estimation of the mean of exponential distribution using ranked set sampling with unequal samples at the International Conference on Statistical Sciences & Stochastic Modeling (ICSSSM)-2023 Dept of Statistics, Univ. of Calicut Feb,16-17,2023.

4. Special Lecture : On Ranked Set Sampling : An Efficient Data Collection Method, at Gitam University Bengaluru, on April 17,2023*. (National)*

5. Delivered Special Lectures: on Descriptive Statistics, in the workshop to the Research Scholars of Social Sciences on 'Research Methodology' from 22-05-2023 to 29-05-2023 at the Department of Studies in Social Work in Social Work ,University of Mysore, Mysuru**.** *(National)*

6. Delivered Special Lectures : On Inferential Statistics , in the Workshop to the Research Scholars of Social Sciences on 'Research Methodology' from 22-05-2023 to 29-05-2023 at the Department of Studies in Social Work ,University of Mysore, Mysuru**.** *(National)*

7. Delivered a Special Lecture : On Ranked set sampling an efficient data collection method at Department of Statistics, Karnatak University, Dharwad on August 10, 2023. *(National)*

8.Delivered Special Invited Talk:On Rank Tests for Two-Sample Problems based on Multiple Type-II Censored Data, at ICSTC 2023 International Conference (15-18 December 2023) organized by the Department of Statistics, University of Kerala.

9.Special Lecture: On Statistics and Scientific Methods, at the Department of Studies in Zoology, University of Mysore, on December 14,2022. *(National)*

10.Invited Talk : On Measures of uncertainty and information content of Ranked set sampling with unequal samples (2021), Virtual National Conference on Theoretical and Applied Statistics Kristu Jayanti College, Bengluru during February 9-10, 2021. *(National)*

11.Special Lecture: On Data Science and Machine Learning (2021) National Webinar on Data Science, on August 06, 2021, P C Jabin Science College Hubballli, Karnataka. *(National)*

12. Special Invited Talk : On Measures of uncertainty and information content of ranked set sampling with unequal samples (2021), Fifth International Webinar on Recent Trends in Statistical Theory and Applications 2021' during June 29 – July 02, 2021, organized by the Department of Statistics, University of Kerala.

13. Special Lecture : On Data Science and Machine Learning at BLDEA's Women's College Vijayapur on the occasion of International Statistics Day on October 20,2020, Virtual Conference. *(National)*.

14. Invited Lecture : On Nonparametric Tests-I(2020), National Level Webinar on Statistical Inference and Related Areas(SIARA) scheduled during 12-14 August 2020 at Bangalore University. *(National)*.

15. Invited Lecture : On Nonparametric Tests-II (2020), National Level Webinar on Statistical Inference and Related Areas(SIARA) scheduled during 12-14 August 2020 at Bangalore University. *(National)*.

16. Delivered Special Invited Talk: On Estimation of Location and Scale Parameters based on General Ranked Set Sampling with Unequal Samples. at the SIXTH International Conference on Statistics for Twenty-first Century-2020 (ICSTC-2020) Department of Statistics, University of Kerala Trivandrum.

17. Invited Lecture: On estimation of location and scale parameters based on ranked set samples with unequal samples, at the International Conference on Recent Advances in Statistics and Data Science for Sustainable Development, Department of Statistics Utkal University Bubneshwar, December 21-23, 2019.

18. Invited Lecture : On Parametric estimation using ranked set sampling with unequal samples (2018), National Seminar On Statistical Modeling And Applications (Nssma-2018) Sponsored By UGC Under Sap-DRS-I, February 23-24, 2018 Shivaji University, Kolhapur. *(National)*.

19. Special Lecture : On Statistics for Social Science Research (Data Collection and Inferential Statistics) at Central Institute of Indian languages(CIL) Mysore, on November 2017. *(National)*.

20. Invited Lecture : On Parametric estimation using ranked set sampling with unequal samples (2015) at the International Conference on Statistics and Related Areas for Equity, Sustainability and Development (SRAESD-2015) with XXXV Annual Convention of Indian Society for Probability and Statistics (ISPS) during 28 - 30 November, 2015 in the Department of Statistics, University of Lucknow.

21. Special Lecture: On Applications of probability Models in Life Sciences (2014), Department of Bio-informatics Karnataka State Women University Bijapur, for Faculty members and Research Scholars, on May 29, 2014 (Special Lecture). *(National)*.

22.Special Lecture : On Ranked set sampling at Department of Statistics Karnataka University Dharwad, on November 21, 2014. *(National).*

23. Invited Lecture : On Issues in Statistical Methods for Data Analysis of Excluded groups (2014), at the International Conference on Ethnicity, Discrimination and Social Exclusion of Minorities and Margins: Post colonial Debates CSSEIP University of Mysore, Mysore, during Dec. 18-19, 2014.

24. Invited Lecture : On Data Analysis for Applied Sciences (2013), National Level workshop on Advanced Research Methodology in Social Sciences, at Centre for study on Social Exclusion and Inclusive Policy(CSSEIP), University of Mysore, Mysuru , during January 16-26,2013. *(National)*.

25. Invited Lecture : On Descriptive Statistics for Excluded Groups (2013) National Level workshop on "Developments in Statistical Methods for Data Analysis of Excluded Groups, Centre for study on Social Exclusion and Inclusive Policy (CSSEIP) University of Mysore, during March 20-21, 2013. *(National)*.

26. Invited Lecture : On Statistical Analysis by Data Types (2013),UGC-CPE workshop on Modern Trends in Research Methodology Part-II at SBRR Mahajana First Grade College, Mysore, on April 16, 2013. *(National)*.

27. Invited Lecture : On Statistical Methods for Social Science Research Methodology (2013), at the National Level workshop on Introduction to Research Methodology and Data Analysis through SPSS (for SC and ST Ph.D. Scholars) , Karnataka State Open University, Mysore, Karnataka , May 27 to June 05,2013. *(National)*.

28. Invited Lecture : On Non-Parametric Methods (2012), Three Day Workshop –Cum Seminar on Probability and Statistics, Department of Studies in Statistics, University of Mysore, Mysuru, March, 05-07,2012. *(National).*

29. Invited Lecture : On Statistical Tests of Significance for Life Sciences (2010), DBT Sponsored Workshop cum Training on Bioinformatics, Bioinformatics Center Department of Bioinformatics, Karnataka State Women University, Bijapur, March 28-30, 2010. *(National)*.

30. Invited Lecture : On Graphical methods in Non-parametric Statistics (2009), UGC sponsored National Seminar on Recent Development in Statistics, BLDE Associations SB Arts and KCP Science College Bijapur April, 16-17, 2009. *(National)*

■ **Contributory Talks**

31. Estimation of the Mean of exponential Distribution using Maximum Ranked set sampling with unequal samples (2014),at the International Conference on Statistics and Information Technology for a growing Nation, S.V. University ,Tirupati, 30 Nov.-02 Dec, 2014.

32.Estimation of the Mean of exponential Distribution using extremes Ranked set sampling with unequal samples(2013), at the International conference on Role of Statistics in the advancement of Science and Technology, University of Pune, December 16-18, 2013.

33.Rank Tests for comparison of two failure rates based on Censored data(2011),at the International Conference on Statistics and Information Analytics (ICSIA-2011) ,PG and Research Department of Statistics Loyola College Chennai , August 25-27,2011.

34.Rank Tests for two-sample problems based on Multiple Type-II censored data (2008), at the National Conference on Statistical Inference and Inferential aspects of Industrial statistics ,University of Pune, December 16- 18,2008. *(National)*.

35.Rank Tests for Two sample problems based on Multiple Censored Data(2007), at the International Conference on Statistical Science, OR and IT and ISPS, held at Tirupati, during January 7-9,2007.

36.Locally Most powerful rank tests for comparison of two failure rates based on multiple-Type-II censored Data (2005), at the National Conference on Statistical Inference and its Applications held at Shivaji University Kolhapur, during Feb.24-26,2005. *(National)*

37.Locally Most Powerful rank tests for the Two sample Location and Scale Problems with Multiply Type-II censored Data (2001), at the International Conference on Statistical Inference and Reliability, held at Punjab University Chandigarh, during Dec.21-24, 2001.

38.Locally Most Powerful rank tests for the Two sample Problems with Multiply Type-II censored Data (2001), a t the International conference on Recent Developments in Statistics and probability and their applications organized by IISA, held at India International center, New Delhi, during Dec.30,2000 to Jan. 2,2001.

39. A nonparametric test for c- sample scale problem (2000), at the National conference on Recent Developments in Statistical Models and Inference held at Karnatak University Dharwad, during Feb.17-19, 2000. *(National)*.

40.A Note on Distribution-free test for several sample problem(1997), at the XVII Annual conference of the ISPS and National Seminar on New Dimension in theoretical and Applied Statistics ,held at Banaras Hindu University Varanasi, during February,10-13,1997. *(National)*.

41.A nonparametric test for multi-sample location problem (1994),at the International conference on Stochastic Modeling, during, held at University of Delhi, during Jan, 10-12, 1994.

◼ Resource Person

42.Statistical Tests of Significance for Social Science Research at Research Methodology in Social Sciences: at the Workshop on Current Trends and way Forward, Dr. Ambedkar Research and Extension Centre during April 4-6,2024. *(National)*.

43. Nonparametric Methods, Refresher Course for Teachers of Mathematical Sciences, at the UGC-HRDC, University of Mysore, Mysuru during January 2020. *(National)*.

44. Delivered a Lecture as Resource Person at : On Basics of Statistics for Legal Studies at the Three Day National Workshop, Department of Studies in Law University of Mysore, during February 6-8,2020. *(National)*

45.Testing of Hypotheses using R Software, Two Day Workshop on Statistical Analysis Using R Software, Bangalore University, during January 24-25,2019. *(National)*.

46.Standard Probability Distributions with applications engineering sciences, at the Faculty Development Programme (FDP) , at BMIT and Management College , Yelahanka, Bengaluru on June 06, 2018. *(National)*.

47.Primary Census Abstracts, Data Highlights (2014), at the Workshop on Census Data Dissemination Jointly organized by the University of Mysore and Directorate of Census Operations , Karnataka ,January 23,2014. *(National)* .

◼ Participation in Conference/Workshop/Seminar/Refresher Courses

1. Relevance of Mechanism Design and game Theory in Modern Economic Analysis, Participated at Karnataka Higher Education Council ,Bangalore on Jan 10,2013

2. National Seminar on Official Statistics in conjunction with Golden Jubilee Celebrations held at Department of Statistics, S.V. University, Tirupati, A.P. during August 09-10,2012

3. Workshop on Developing Data Base on Higher Education in Karnataka , organized by Karnataka State Higher Education Council and National University of education Planning and Administration on November 9,2011

4. Advances in Statistical Theory and Applications (ASTA-2011) ,participated at Bangalore University Bangalore. During November 16-18, 2011

5. Workshop on MAPLE and MATLAB , conducted by Computer Paradise , Mysore, during Jun 2-24,2011

6. Two Day State Inter- University Symposium on Enhancing Research and Teaching in Statistics jointly organized by DST Karnataka and Bangalore University, during 29th to 3oth March 2010.

7. Refresher Course in the Subject Environmental Science from 27-12-2005 to 16-01-2006, held at UGC Academic Staff College, Karnatak University Dharwad

8. National Workshop on Nonparametric Methods held at Shivaji University Kolhapur during 2-3, January 2005.

9. Global Skills Enhancement Program conducted by Progeon at Infosys Leadership Institute, Mysore, during 11th to 30th April, 2005.

10. Two days national seminar on Access to Scholarly electronic journals/databases under UGC-Info net, held at Goa University during 1-2, 2004.

11. Refresher Course in the subject Statistics at Undergraduate level from 03-02-2003 to24-02-2003 held at Indian statistical Institute , Kolkata.

12. Refresher Course in the Subject Statistics from 11-11-2000 to 1-12-2000, held at UGC Academic Staff College, Karnatak University Dharwad

13. XXV Batch Orientation Programme, Conducted by the UGC Academic Staff College, Karnatak University Dharwad form 11-04-1998 to 08-05-1998.

14. A workshop on Statistical Computing in Basic programming and MINITAB held at the Department of Statistics Karnataka University Dharwad form 04-11-1996 to 09-11-1996

■ Research Publications

1.A Nonparametric Test for Multi-sample Location Problem,(with M.S.Chikkagoudar),(1997), *Karnataka Univ. Science Journal,41,95-103*

2. A Note on Distribution-free Test for several sample Scale problem (with M.S.Chikkagoudar),2000-2001,*Journal of the Indian Society for Probability and Statistics,5,93-104.*

3.Rank Tests for Two-Sample Problems Based on Multiple Type-II Censored Data, (with M.S.Chikkagoudar), (2010), *Communications in Statistics - Theory and Methods, 39: 18, 3203-3221.*

4.Locally Most Powerful Rank Tests for Comparison of Two Failure Rates Based on Multiple Type-II Censored Data, (with M.S.Chikkagoudar), (2012) *Communications in Statistics - Theory and Methods, 41:23, 4315-4331.*

5. Statistics for Research Methodology: By Data Types, (2013), Proceedings of the National level Workshop on Modern Trends in Research Methodology PART-II, SBRR Mahajana First Grade College, Mysore.

6. Collaborator's Note on Statistical Software's,(2014), Proceedings of the National level Workshop on Applications of SPSS in research Data analysis, SBRR Mahajana First Grade College, Mysore.

7.Estimation of the Mean of the Exponential Distribution Using Maximum Ranked Set Sampling with Unequal Samples, (with Santosha C.D.),(2014), *Open Journal of Statistics, 4, 641-649.*

8. Generalized median test for two-sample location problem using multiple type-II censored data, (2015a). *Int. J. Agricult. Stat. Sci. Vol. 11, No. 2, 307-311.*

9. Estimation of the population mean using paired ranked set sampling, (with Santosha C.D.),(2015a), . *Open Journal of Statistics*, **5**, 97-103. doi: 10.4236/ojs.2015.52012

10. On comparison of different estimators of the population mean using ranked set sampling,(2015b). *Int. J. Agricult. Stat. Sci. Vol. 11, No. 1, 9-13.*

11. Estimation of the population mean based on extremes ranked set sampling, (with Santosha C.D.),(2015 b),. *American Journal of Mathematics and Statistics, 5(1), 32-36.*

12. Weibull-Bayesian estimation based on maximum ranked set sampling with unequal samples, (with Shivanna, B.K.),(2016 a). *Open Journal of Statistics, 6, 1028-1036.*

13. Exponential-Bayesian maximum ranked set sampling with unequal samples using asymmetric loss function, (with Shivanna, B.K.),(2016). International Journal of Statistika and Mathemtika, 18(1), 64-75.

14.Estimation of the mean of the exponential distribution using extreme ranked set sampling with unequal samples, (with Santosha C.D.),(2017).Int. J. Agricult. Stat. Sci. Vol. 13, No. 2, 393-401.

15. Bayesian estimation of the scale parameter of Weibull distribution using ranked set samples (with Shivanna, B.K.) (2022). Journal of Modern Applied Statistical Methods, 21(2),1-16.

16. Bayesian estimation of the mean of exponential distribution using ranked set sampling with unequal samples, (with Shivanna, B.K.) (2023). Asian Journal of Statistical Sciences. Vol. 2,No. 3, 143-153.

17. Parametric estimation of location and scale parameters based on ranked set sampling with unequal set sizes (2024), Communications in Statistics - Simulation and Computation, 53:5, 2119-2134, DOI: 10.1080/03610918.2022.2067875.

18. Demand driven material requirements planning: an inventory optimization model (with Muragesh Math, D. Gopinath) (2024). Int. J. Agricult. Stat. Sci. Vol. 20, No. 1, 105-112.

19. Optimizing inventory control through a gradient-based multilevel approach in the face of demand and lead time uncertainties, (with Muragesh Math, D. Gopinath) (2024). *Reliability Theory and Applications No 3 (79) Volume 19,*

20.Optimizing inventory of deteriorating products with price dependent demand using quantum behaved AGTO variants, (with Muragesh Math, D. Gopinath) (2025). *Reliability Theory and Applications will appear in March Issue.*

■ Books

1. Mathematical Statistics, Karnataka State Open University, Course Book for M.Sc. Mathematics, (2013)

■ Ph.d.Guidance

1.Santosha C.D. Nonparametric Tests based on Censored Data (2015)

2. Shivanna B .K. Some Contributions to Statistical Inference under Hybrid Censoring (2017)

■ Computer Literacy

Have good working knowledge of Statistical Softwares : R Language , MaTLab, LateX

■ Communication

Kannada Speak fluently, read and write.

English Speak fluently, read and write.

Hindi : can write, speak and understand at basic level.

■ Interests and Hobbies

1. Mathematical Statistics, Multivariate Analysis. Data Science, Machine Learning..

2. Reading Books, Playing Badminton, Chess, Swimming and Agriculture.