

CURRICULUM VITAE

1. **NAME** : Dr. SANJEEV KUMAR
2. **MAILING ADDRESS** : Department of Statistics,
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INDIA
E-mail : sanjeevk@bhu.ac.in
3. **DATE OF BIRTH** : 8th July 1973.
4. **NATIONALITY** : Indian
5. **FATHER'S NAME** : Shri Satya Pal
6. **LANGUAGES KNOWN** : English and Hindi

7. ACADEMIC QUALIFICATIONS

S.No.	Degree	Year	Institution	Marks	Subjects
(i)	Ph. D.	2002	CCS University, Meerut	N.A.	Statistics Title: Classical and Bayesian Inferences for Some Reliability Models
(ii)	M. Phil.	1998	CCS University, Meerut	80.4	Statistics
(iii)	M. Sc.	1997	CCS University, Meerut	71.3	Statistics
(iv)	B. Sc.	1995	CCS University, Meerut	60.0	Mathematics, Physics, Statistics
(v)	Inter- mediate	1991	U.P. Board	64.2	Hindi, English, Mathematics, Physics and Chemistry
(vi)	High- School	1989	U.P. Board	67.7	Hindi, English, Mathematics, Science , Biology, Soc. Science

8. POSITIONS HELD AND PLACE OF WORK

- (i) **Professor** in Department of Statistics, Banaras Hindu University, Varanasi since May 22, 2019 till date.

(ii) **Associate Professor** in Department of Statistics, Banaras Hindu University, Varanasi since May 22, 2016 to May 21, 1919.

(iii) **Assistant Professor** in Department of Statistics, Banaras Hindu University, Varanasi since May 22, 2004 to May 21, 2016.

9. ACADEMIC LEADERSHIP (Ph. D. Guided)

1. Mr. Vikas Baranwal, has submitted thesis in 2025.
2. Dr Mridulesh Kr Yadav, Assistant Professor, State Medical College, Lakhimpur Kheri, has been awarded Ph.D. in 2023.
3. Dr. Rashmi Bundel, Assistant Professor, University of Rajasthan, Jaipur, has been awarded Ph.D. in 2022.
4. Dr Himanshu, Assistant Professor, Tata Institute of Social Science, Mumbai, has been awarded Ph.D. in 2021.
5. Dr. Sachin Chaudhary, Assistant Professor, Medical College Jhansi, has been awarded Ph.D. in 2018.
6. Dr. Vaishali Gupta has been awarded Ph.D. in 2017.
7. Dr. Jitendra Kumar, Assistant Statistical Officer, Delhi, has been awarded Ph.D. in 2017.
8. Dr. Mahaveer Singh Panwar, Assistant Professor, Department of Statistics, BHU, has been awarded Ph.D. in 2014.
9. Dr. Rampravesh Singh Gautam, Assistant Professor, Ramjas College, University of Delhi, has been awarded Ph.D. in 2012.
10. Dr. Ashok Kumar Singh, Senior Biostatistician, Clinical Analytics, Chiltern Int. Ltd., Bangalore, has been awarded Ph.D. in 2011.

10. INVITED TALKS IN THE CONFERENCES

1. Delivered invited talk on the topic "Robust Bayesian estimation of competing risk in Presence of Masked Data" in the **24th International conference of International Academy of Physical Sciences** held at Ch C S University, Meerut, August 2019.
2. Delivered invited talk on the topic "Robust Bayesian analysis of lifetime data under competing risk model" in the **International Conference on Emerging Innovations in Statistics & OR** held at M D University, Rohtak, 2018.
3. Delivered invited talk on the topic "Estimation of component reliability measures using hybrid censored masked system lifetime data from Maxwell distribution," in the **International Conference of TIMC in cooperation with AMS**, held at DST-CIMS, BHU, 2016.
4. Delivered invited talk on the topic "Robust Bayesian Analysis of Maxwell Distribution", in the **National Conference Recent Statistical Computing Techniques and their Applications**, held at Ramanujan College, University of Delhi, March 2016.
5. Delivered invited talk on the topic "Bayesian Analysis of Hybrid Censored Masked Lifetime Data from Maxwell Distribution," in the **18th Annual Conference of Society of**

Statistics, Computer and Applications, held at Department of Statistics, University of Jammu, February 2016.

6. Delivered an invited talk on the topic “Analysis of Masked Lifetime Data under competing risk model,” in the **National conference on Recent development in Statistics, Applied Econometrics and Forecasting**, held at Department of Statistics, University of Allahabad, April 2013.

11. CONFERENCE ORGANIZED

- ‘National Seminar on Use of Statistics in Industry and Corporate World’ held in Department of Statistics, BHU during 25-26, 2015.

12. CONFERENCE ATTENDED

Attended 11 International and 10 National conferences and presented research papers.

13. ADMINISTRATIVE RESPONSIBILITIES

- Associate NCC Officer, 1/89 COY, UP BN NCC, BHU.
- Served as Hostel Warden of Broacha Hostel for **six** years.
- Associate Coordinator, Admission committee, Institute of Science, since 2016.

14. OTHER SERVICES RENDERED TO THE UNIVERSITY

(a) University Level Committees

- Member, Anti- Raging Squad, BHU (2011, 2012)
- Member, Organizing Committee, Alumni Meet, 2009, 2010.
- Member, Organizing committee, SPANDAN-2010.
- Member, Online admission committee, BHU since 2017).

(b) Institute level committees

- Member of training and placement cell (Since 2014 till date)
- Member of Undergraduate Admission Coordination committee (2006-2015).
- Member of the committee to Organize Special Lectures, 2011-2014.
- Member of the committee for the allotment of Minor Elective (2010-2015).
- Undergraduate Attendance Monitoring Committee (2008- 2013).

- Member, Committee for the reformation of the Allotment of minor electives 2011.
- Degree, Prize and Medals Committee, in Degree Award Ceremony(Convocation) of Institute of Science(2006-2015).
- Organizing committee, Orientation program for B.Sc. I Semester students (2011).
- Member, Track & Field, Athletic Association, Institute of Science, BHU.

Research Publications

(A) Refereed Journals

1. With Rai, Himanshu (2025): Variational Bayes for the analysis of masked data. **Journal Computational Science** <https://doi.org/10.1016/j.jocs.2025.102690>.
2. With Baranwal, V. (2025): Parametric inference for an extended illness-death model in the presence of censored data, **Journal of Statistical Computation and Simulation**, DOI: 10.1080/00949655.2025.2510657
3. With Panwar, M.S and Rai Himanshu(2025): A latent variable approach to the analysis of progressively hybrid censored masked data, **Methodol Comput Appl Probab.** DOI: <https://doi.org/10.1007/s11009-025-10197-z>
4. with Yadav, C.P. and Panwar, M.S. (2022): A competing risk study of menarcheal age distribution based on non-recall current status data, **Journal of Applied statistics** DOI:10.1080/02664763.2022.2052821.
5. With Rai, H. (2021): Robust Bayesian estimation of cumulative incidence function for competing risk data with missing causes. **Journal of statistical computation and simulation.** DOI: 10.1080/00949655.2021.2007385.
6. With Rai, H. & Chaturvedi(2021): A. Robust estimation with variational Bayes in presence of competing risks. **METRON**, 79, 207–223.
7. With Himanshu Rai and M. S. Panwar (2021) Analysis of masked data with Lindley failure model, **Communications in Statistics - Simulation and Computation**, DOI: <https://doi.org/10.1080/03610918.2021.1878371>
8. With Panwar, M.S. (2020): A Review on Inverse Maxwell Distribution with Its Statistical Properties and Applications. **Journal of Statistical Theory and Practice(Scopus)**. <https://doi.org/10.1007/s42519-020-00100-z>
9. With Panwar, M.S. (2019): Robust Bayesian Analysis of Lifetime Data from Maxwell distribution. **Austrian Journal of Statistics(Scopus)**, 48, 38-55.
10. With Choudhary, S (2018): Estimation of stress–strength reliability for Maxwell distribution under progressive type-II censoring scheme. **Int J Syst Assur Eng Manag(Scopus)**, 9(5), 1107–1119.
11. With Chaudhary, S., Panwar, M.S. and Bundel, R(2018): Analysis of transmuted Maxwell Distributions. **Jour. of Scientific Res.**, 62, 155-169
12. With Choudhary, S and Kumar, J (2017): Estimation of $P(Y < X)$ for Maxwell distribution. **Jour. Stat. Manag. System (Web of Science)**, 20(3), 467-481.

13. With Yadav, M.K., Bundel, R and Chaudhary, S. (2017): Reliability estimation for Inverse Lindley Distribution Under Progressive Type-II Censoring Scheme, ***Inter. Jour. Agri. Statist. Sci. (Scopus)***, 13(2), 777-781.
14. With Kumar, J (2016): Reliability estimation for negative binomial distribution under type-II censoring scheme. ***Jour. Statist. Appl. Prob. (Scopus)***, 5(1), 1-10.
15. With Bundel, R, Pokhriyal H and Panwar MS (2016): Modeling competing risks for progressively censored data using Inverse Lindely distribution. ***J Adv. Res Appl Math Stat***, 1(2): 1-11.
16. With Kumar, N and Panth, R (2016): Testing of outliers in samples from a subfamily of one parameter exponential family. ***Inter. Jour. Agri. Statist. Sci. (Scopus)***, 12(1), 67-72.
17. With Gupta, V, Kumar J and Panwar MS (2016): Reliability estimation for Lindley distribution under Type-I progressive hybrid censoring scheme. ***J Adv. Res Appl Math Stat***, 1(3&4): 30-41.
18. With Panwar, M.S. (2015): Estimation Procedures for Maxwell distribution under type-I progressive hybrid censoring scheme. ***Jour. Statist. Compu. Simul. (SCI)***, 85(2), 339-356.
19. Tomer, SK (2016): Estimation for generalized life distribution under progressive type-II censoring scheme. ***Inter. Jour. Statistika&Mathematika***, 18(1), 1-7.
20. With Panwar, MS, Kumar, J (2015): Estimation using type-I progressive hybrid censored competing risk data from Rayleigh distribution. ***Inter.Jour.Stat. Systems***.10(1), 116-121.
21. With Sing, AK (2015): Bayesian analysis of cause-dependent masked competing risk data. ***J Adv. Res Appl Math Stat***, 1(2): 1-11.
22. With Panwar, MS, Sudhir, BA, Bundel, R (2015): Parameter estimation of inverse Rayleigh distribution for masked data. ***Jour. Inst. Sci. Tech.***, 20(2), 122-127.
23. With Panwar, M. S. and Lal, H. (2015): Competing risk analysis of censored data from inverse Rayleigh distribution. ***Inter.Jour. Stat. Systems***, 10(1), 57-61.
24. With Kumar, J (2015): Bayesian estimation using progressively censored masked data under asymmetric loss function. ***Jour. Inst. Science Tech.***, 20(1), 40-50.
25. With Gupta, V and Kumar, J. (2015): Reliability Estimation for Burr type-XII Distribution Under Type-I Progressive Hybrid Censoring Scheme. ***Math. inEngg., science and Aerospace(Scopus)***, 6(2), 123-134.
26. With Panwar, M.S., Kumar, J (2015): competing risk analysis of failure censored data from Maxwell distribution. ***Inter. Jour. Agri. Statist. Sci.(Scopus)***, 11(1), 29-34.
27. With Chaturvedi, A, Pati M (2014): Robust Bayesian analysis of Weibull failure model. ***Metron(Scopus)***, 72(1), 77-95

28. With Singh, A.K. and Panwar, M.S.(2014): Bayesian Analysis of Masked Series System Lifetime Data from a Family of Lifetime Distributions. **Inter. Jour. SystemAssur. Engg. Manag.(Scopus)**,5(4), 495-502.
29. With Gupta, V, Baranwal, A (2014): Estimation procedures of a family of lifetime distributions under hybrid censoring scheme. **Indian Jour. of Statistics and Appli.**, 3(1), 90-98.
30. With Kumar, J, Panwar, M.S. (2014): Bayesian estimation of component reliability using progressively censored masked system lifetime data from Rayleigh distribution. **Jour. Reliab. Stat. Studies (Web of Science)**, 7(2), 37-52.
31. With Gautam, RP S and Kumar, J. (2014): Bayesian estimation for the generalized Rayleigh distribution under Type-I progressive hybrid censoring scheme. **Research and Reviews: Journal of Statistics(Scopus)**, 2, 84-93.
32. With Gautam, R.P.S. (2013): Bayesian estimation of three-parameter Weibull distribution under asymmetric loss functions using progressive type-II censored data. **Jour. of Scientific Research**. 57, 120-137.
33. With Singh, AK and Panwar, MS(2013): On the estimation of component reliability with masked cause of failure. **Inter. Jour. Agri. and Statist. Sci. (Scopus)**, 9(2), 373-383.
34. With Panwar, M.S.(2012): Bayesian reliability estimation for geometric distribution under type-II censoring scheme. **Jour. Raj. Statist. Assoc.**, 1(2), 149-158.
35. With Gautam, R.P.S. (2012): Bayesian estimation of parameters and reliability for progressive Type-II censored data using Lindley's approximation. **Jour. Raj. Statist. Assoc.**, 1, 68-76.
36. With Singh, A.K. (2011): Maximum likelihood estimation of component reliability using masked series system lifetime data. **Calcutta Statist. Assoc. Bulletin**, 63, 181-191.
37. With Chaturvedi, A (2009): Bayesian estimation of $P(X>Y)$ for generalized life distributions. **Jour. of Scientific Resrarch**, 53, 239-251.
38. With Chaturvedi, A. (2003): UMVU estimation of the reliability function for the generalized life distributions. **Statistical Papers (SCI)**, 44, 301-313.
39. With Chaturvedi, A. and Tiwari, N. (2002): Robustness of the sequential procedures for the generalized life distributions. **Brazilian Journal of Probability and Statistics (SCI)**, 16, 7-24.
40. With Chaturvedi, A. (2002): Three-stage and 'accelerated' sequential procedures for the mean of a normal population with known coefficient of variation. **Statistics(SCI)**, 31(1), 51-64.
41. With Chaturvedi, A. and K. Surinder (2001): Multistage estimation procedures for the 'range' of two parameter uniform distribution. **Metron(SCI)**, LIX, 179-186.

(B) Conference proceedings

42. With R.P.S.Gautam(2012): Bayesian Reliability Estimation for Exponentiated Weibull Distribution under Type-I Progressive Hybrid Censoring Scheme. ***Emerging Applications of Bayesian statistics and stochastic modeling***. P.K.Pundir et.al.(Eds). Mudranik Technologies Pvt. Ltd., 25-35.
43. With M.S.Panwar (2012): Bayesian Estimation of Component Reliability Measures using Progressively Type-II Censored Competing Risk Data from Rayleigh distribution. ***Emerging Applications of Bayesian statistics and stochastic modeling***. P.K.Pundir et. Al. (Eds). Mudranik Technologies Pvt. Ltd., 47-54.
44. With Singh A.K.(2011): "On the Analysis of Masked Series System lifetime Data from Geometric Distribution under type-II censoring". In ***Interface Between Statistics Mathematics and Allied Sciences***. Tiwari, N. and Joshi S. K. (Eds.), Excel India Publishers, New Delhi, 27-37.
45. With Singh, AK. (2009): Estimation for generalized life distributions in the presence of masked data. In ***Population, Poverty and Health: Analytical Approaches***. K. K. Singh, R.C. Yadava and A. Pandey (Eds.), Hindustan Publishing Corporation, New Delhi, 366-372.

(C) Chapter in Books

46. With Chaturvedi, A. (2000): Classical and Bayesian reliability estimation of the negative binomial distribution. In ***Focus on Applied Statistics***. M. Ahsanullah (Editor), ***Nova Science Publishers, USA***. 141-151.
47. With Singh, A.K. and Panwar M.S. (2011): Analysis of incomplete data from Rayleigh distribution under competing risk model. In ***Some Recent Developments in Statistical Theory and Applications***. Kuldeep Kumar and A. Chaturvedi (Eds.), ***Brown Walker Press, Florida USA***.
48. With Kumar, J and Panwar, M.S. (2015): Estimation procedures for generalized Rayleigh distribution under progressive type-I hybrid scheme. In ***Statistical and Mathematical Sciences and Their Applications***. Neeraj Tiwari (Ed.), ***Narosa Publishing House, New Delhi***.