

## C.V.

Name : **Arun Kumar Rao**  
Date of Birth : 07-07-1972  
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### **Academic Qualification :**

Exams	Year	Board/University	Subject	Division
High School	1988	U. P. Board Allahabad	Hindi, English, Maths-2, Science-2, Biology, Social Sc.	I (60.5%)
Intermediate	1991	U. P. Board Allahabad	General Hindi, English, Maths, Physics, Chemistry	II (59.6%)
B.A.	1994	D.D.U. Gorakhpur University, Gorakhpur	Mathematics, Statistics, Economics	II (53.5%)
M.A.	1997	D.D.U. Gorakhpur University, Gorakhpur	Statistics	I (68.2%)

**Ph.D. in Statistics** (2003) From D.D.U. Gorakhpur University, Gorakhpur.

### **Topic of Research:**

“Bayesian Estimation of Parameters and Reliability under Asymmetric Loss Functions with Censoring.”

**Teaching Experience : 13 Years**

**Published Research Papers: 18**

1. "Bayesian estimation of Shape parameter and reliability function of Generalized Pareto distribution using Linex loss function with censoring ". J. Nat. Acad. Math Vol. 14 (2000), pp. 81-93.
2. "Bayesian estimation of the scale parameter and reliability of Weibull distribution using Linex loss Function ", proceedings ISMAMS, Vol. 1 (2003 ), 149-162.
3. "Bayesian estimation of the scale parameter of Weibull distribution under Asymmetric loss function " Proceedings ISMAMS, Vol. 2 (2004), 115-137.
4. "Bayesian estimation of the Shape parameter and reliability of Generalized Pareto Distribution using Precautionary loss function with censoring ", South East Asian J. Math. & Math. Sc., Vol. 2, No. 2 (2004), pp 47-56.
5. "Bayesian estimation of reliability function of Generalized Pareto distribution. " South East Asian J. Math. & Math. Sc., Vol. 4, No. 1 (2005) pp 75-80.
6. "The minimized Shrinkage estimators for the variance of scale parameter of Gamma distribution." South East Asian J. Math. & Math. Sc., Vol. 4, No.3 (2006), pp 17-22.
7. "Bayesian estimation of scale parameter of Generalized Gamma distribution using Precautionary loss function with censoring " Indian J. Appl. Statistics,10,2006, 21-27.
8. "Bayesian estimation of the scale of Gamma distribution using Precautionary loss function ". Statistical techniques in life testing, Reliability, Sampling theory and Quality control, (Editor B. N. Pandey). Narosa Publishing House, New Delhi, India, (2007), pp 122-127.
9. "Bayesian estimation of scale parameter of p-dimensional Rayleigh distribution using Precautionary loss function". Varahmihir Jour. Of Math. Sc., Vol. 8, No. 1, (2008), pp 1-8.
10. "Bayesian estimation of MTTF of log - normal distribution". Vidarbha Journal of science, Vol. 4, No. 1-2, (2009), pp 10-15.
11. "Bayesian estimation of the shape parameter of a Generalized Pareto distribution under Asymmetric Loss functions ". Hacettepe Journal of Mathematics and Statistics, Vol. 38 (1), (2009), 69-83.
12. "Bayesian estimation of the parameter of Inverse Gaussian distribution using Linex loss Function " International Jour. of Computer and Mathematical Sc.,Vol.1, No. 2,(2010),pp 171– 176.
13. "A class of shrinkage estimators for the variance in two-parameter Gamma distribution". South East Asian J. Math. & Math. Sc., Vol. 9, No.3 (2011), pp 79-89.
14. "Bayesian analysis of Continuous Fertility model". International Jour. of Statistika and Matematika, vol. 9, Issue 3, 2014, pp 82-84.
15. "Bayesian analysis of a probability model for first conception". Jour. of Rajasthan Academy of Physical Sciences, vol. 13, No. 1, March. 2014, pp 97-100.
16. "Bayesian estimation of reliability function of Weibull distribution". Asian Journal of Mathematics and Computer Research, 13 (3), 162-167, 2016.
17. "Bayesian estimation of the scale parameter of Weibull distribution under Entropy loss function". Journal of Statistics and Mathematical Engineering, vol. 2, Issue 2, 1-7, 2016.
18. "Estimation of reliability function of Lomax distribution via Bayesian Approach". International Journal of Mathematics Trends and Technology, vol. 4, No. 4, 252-254, 2016.

## **Conferences / Workshop Attended: 32**

1. "SCRA 2002 – FIM IX" held at Allahabad University, Allahabad on Dec. 21-23, 2002.
2. "Recent trends in Mathematics and its application" of ISMAMS held at Gorakhpur on Feb. 28, Mar.1<sup>st</sup>, 2003.
3. "International conference on life testing, reliability, sampling theory and quality control " held at BHU, Varanasi on Dec. 29-31, 2003.
4. "Emerging dimensions of physical sciences " of International Academy of Physical Sciences held at Gorakhpur on Feb. 6-8, 2004.
5. Advances in Mathematics and its applications " of ISMAMS held at Gorakhpur on Feb.13-15, 2004.
6. "SCRA 2004 – FIM IX" held at Sherwood College of Management, Lucknow on Dec. 27-29, 2004.
7. "International workshop/conference on Bayesian Statistics and its applications" held at BHU, Varanasi on Jan. 4-8, 2005.
8. "National Conference on emerging areas in mathematical sciences in first quarter of the century " of ISMAMS held at Gorakhpur on Feb. 11-13, 2005.
9. "XXIX Indian Social Science Congress " held at the University of Lucknow, Lucknow on Dec. 26-30, 2005.
10. "Conference on Mathematics, 2006" held at the Department of Mathematics & Astronomy, University of Lucknow, Lucknow on Nov. 18-19, 2006.
11. "Mathematical Sciences and Technological Innovation Diffusion" of ISMAMS held at Gorakhpur on March 16-18, 2007.
12. "Advance Training Program in Mathematics" of ISMAMS held at Gorakhpur on Oct. 12-26, 2007.
13. "Modern Applications of Mathematical Sciences" of ISMAMS held at Gorakhpur on Feb 22-24, 2008.
14. "Mathematical Sciences: A Foundation of Science and Technology" of ISMAMS held at Gorakhpur on Feb. 20-21, 2009.
15. "Recent Advances in Mathematical Sciences and its applications" of ISMAMS held at Gorakhpur on Feb. 20-21, 2010.
16. "Research Oriented Advanced Statistical Techniques" of ISMAMS held at Gorakhpur on Dec. 23-28, 2010.
17. "Interdisciplinary Applications of Mathematical and Statistical Techniques" of ISMAMS held at Gorakhpur on Feb 25-26, 2012.
18. "Recent Trends in Mathematics and Statistics " held at the Department of Mathematics & Statistics, D.D.U.Gorakhpur University, Gorakhpur on Mar.12-13, 2012.
19. "Mathematical Sciences for the advancement of Science and Technology" of ISMAMS held at Gorakhpur on Feb 23-24, 2013.
20. "Recent Trends in Mathematics and Statistics " held at the Department of Mathematics & Statistics, D.D.U.Gorakhpur University, Gorakhpur on Jul. 27-28, 2013.
21. "Role of Mathematical Sciences In Science and Technology" held at the Department of Mathematics & Statistics, D.D.U.Gorakhpur University, Gorakhpur on Feb 21-22, 2014.
22. "Advances in Mathematical Science and its Applications" of ISMAMS held at the Department of Mathematics & Statistics, D.D.U.Gorakhpur University, Gorakhpur on Feb 20-21, 2015.

23. "Role of CST, UP in promotion of science and technology and facilitation of IPR protection" held at the Department of Mathematics & Statistics, D.D.U.Gorakhpur University, Gorakhpur on Mar. 15, 2015.
24. "N List Workshop/ Programme" held at MPPG College Jungle Dhushan, Gorakhpur on July 10, 2015.
25. "Orientation Programme" of Human Resource Development Centre, D.D.U.Gorakhpur University, Gorakhpur on Feb.13- Mar.11, 2016.
26. "Recent Trends in Mathematical sciences" held at the Department of Applied Science, M.M.M. University of Technology, Gorakhpur on April 12-13, 2016.
27. Workshop on "Sikshan Sansthaon me Saikshik Unnayan" held at MPPG College Jungle Dhushan, Gorakhpur on June 15-21, 2016.
28. Workshop on "Nath Panth : Sadhana aur Darshan" held at MPPG College Jungle Dhushan, Gorakhpur on July 2-3, 2016.
29. National conference on "Recent Trends in Mathematical Sciences". Organized by Dept. of Mathematics and Statistics. DDU Gorakhpur University Gorakhpur, July 23-24,2016.
30. Workshop on "Academic trends and Teaching Quality" held on 27 Oct, 2016 by IQAC.
31. "Refresher Course" of Human Resource Development Centre, D.D.U.Gorakhpur University, Gorakhpur on Feb.3-23, 2017.
32. Workshop on "Varshik Rapat evam Anubhav Aadharit Sudhar" held at MPPG College Jungle Dhushan, Gorakhpur on Mar. 5-11, 2017.

#### **Published Books: 4**

1. Statistical Methods
2. Correlation and Regression
3. Some Special Distributions
4. Probability Theory

#### **Life Membership :**

1. National Academy of Mathematics, India.
2. Indian Society of Mathematics and Mathematical Sciences, India.
3. Indian Bayesian Society.

The above given information is authentic and correct.

Date :

( Dr. Arun Kumar Rao)