

## C.V.

Name: **Dr. Arun Kumar Rao**  
Date of Birth: 07-07-1972  
Gender: Male  
Category: General  
Religion: Hindu  
Marital Status: Married  
Father's Name: Sudarshan Rao  
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### **Academic Qualification:**

Exams	Year	Board/University	Subject / Topic	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.	2003	D.D.U. Gorakhpur University, Gorakhpur	Bayesian Estimation of Parameters and Reliability under Asymmetric Loss Functions with Censoring	Awarded

## Teaching and Research Experience: 15 Years (after Ph.D.)

Name of University/ College/ Institute	Designation	Status	Pay-Scale/ Consolidated salary	From	To	Effective Time Period
D.D.U. Gorakhpur University, Gorakhpur	Honorarium Lecturer	Ad-hoc	5000-12000	2003- 2004	2009- 2010	7 Years
Maharana Pratap P.G. College, Jungle Dhushan, Gorakhpur	Assistant Professor	Ad-hoc	9000-12000	2011- 2012	2014- 2015	4 years
Maharana Pratap P.G. College, Jungle Dhushan, Gorakhpur	Assistant Professor	Permanent	17940	1 July 2015	Till date	4 Years

## Present Employment Details:

Organization Name	Position Held	Date of Appointment	Present Status
Maharana Pratap P.G. College Jungle Dhushan, Gorakhpur	Assistant Professor	1 July, 2015	Permanent

## Published Papers in Journals: 15

Sl. No	Title with page nos.	Journal	ISSN/ ISBN No.	Peer reviewed/ impact factor	No. of co- authors	Main author/ co- author
1	Bayesian estimation of Shape parameter and reliability function of Generalized Pareto distribution using Linex loss function with censoring, pp 81-83.	J. Nat. Acad. Math Vol. 14 (2000).	0970-5228	Peer reviewed and indexed	2	Co-author
2	Bayesian estimation of the Shape parameter and reliability of Generalized Pareto Distribution using Precautionary loss function with censoring, pp 47-56.	South East Asian J. Math. & Math. Sc., Vol. 2, No. 2 (2004).	0972-7752	Peer reviewed and indexed	2	Co-author
3	Bayesian estimation of reliability function of Generalized Pareto distribution, pp 75-80.	South East Asian J. Math. & Math. Sc., Vol. 4, No. 1 (2005).	0972-7752	Peer reviewed and indexed	0	Main author
4	The minimized Shrinkage estimators for the variance of scale parameter of Gamma distribution, pp 17-22.	South East Asian J. Math. & Math. Sc., Vol. 4, No.3 (2006).	0972-7752	Peer reviewed and indexed	2	Main author
5	Bayesian estimation of scale parameter of Generalized Gamma distribution using Precautionary loss function with censoring, pp 21-27.	Indian J. Appl. Statistics, 10, 2006.		Peer reviewed and indexed	1	Main author
6	Bayesian estimation of scale parameter of p-dimensional Rayleigh distribution using	Varahmihir Jour. Of Math. Sc., Vol. 8, No. 1, (2008).	0972-7329	Peer reviewed and indexed	1	Main author

	Precautionary loss function, pp 1-8.					
7	Bayesian estimation of MTTF of log - normal distribution, pp 10-15.	Vidarbha Journal of science, Vol. 4, No. 1-2, (2009).	0973-8932	Peer reviewed and indexed	1	Main author
8	Bayesian estimation of the shape parameter of a Generalized Pareto distribution under Asymmetric Loss functions, pp 69-83.	Hacettepe Journal of Mathematics and Statistics, Vol. 38 (1), (2009).	1303-5010	Peer reviewed and indexed	1	Main author
9	Bayesian estimation of the parameter of Inverse Gaussian distribution using Linex loss Function, pp 171-176.	International Jour. of Computer and Mathematical Sc.,Vol.1, No. 2,(2010).	2347-8527	Peer reviewed and indexed, impact factor – 2.58	1	Main author
10	A class of shrinkage estimators for the variance in two-parameter Gamma distribution, pp 79-89.	South East Asian J. Math. & Math. Sc., Vol. 9, No.3 (2011).	0972-7752	Peer reviewed and indexed	2	Co-author
11	Bayesian analysis of Continuous Fertility model, pp 82-84.	International Jour. of Statistika and Matematika, vol. 9, Issue 3, 2014.	2277-2790	Peer reviewed and indexed, impact factor - 1.1639	2	Main author
12	Bayesian analysis of a probability model for first conception, pp 97-100.	Jour. of Rajasthan Academy of Physical Sciences, vol. 13, No. 1, March. 2014.	0972-6306	Peer reviewed and indexed	2	Main author
13	Bayesian estimation of reliability function of Weibull distribution, pp 162-167.	Asian Journal of Mathematics and Computer Research, 13 (3), 2016	2395-4205(P),2395-4215(O)	Peer reviewed and indexed	1	Main author
14	Bayesian estimation of the scale parameter of Weibull distribution under Entropy loss function, pp 1-7.	Journal of Statistics and Mathematical Engineering, vol. 2, Issue 2, 2016.		Peer reviewed and indexed	1	Main author
15	Estimation of reliability function of Lomax distribution via Bayesian Approach, pp 252-254.	International Journal of Mathematics Trends and Technology, vol. 4, No. 4, 2016.	2231-5373	Peer reviewed and indexed  Impact factor 1.355	2	Main author

16	Bayesian estimation of the parameter of p-dimensional size-biased Rayleigh distribution.	Lithuanian Journal of Statistics, vol. 56, No. 1, pp 88-91, 2017	2029 - 7262	Peer reviewed and indexed  Impact factor	2	Main author
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### Published Papers in Proceedings: 3

Sl. No.	Title with page nos.	Journal	ISSN/ ISBN No.	Peer reviewed/ impact factor	No. of co-authors	Main author/ co-author
1	Bayesian estimation of the scale parameter and reliability of Weibull distribution using Linex loss Function, pp 149-162.	ISMAMS, Gkp Vol. 1(2003).	2231-2838	Peer reviewed and indexed	1	Co-author
2	Bayesian estimation of the scale parameter of Weibull distribution under Asymmetric loss function, pp 115-137.	ISMAMS, Gkp Vol. 2 (2004).	2231-2838	Peer reviewed and indexed	0	Main author
3	Bayesian estimation of the scale of Gamma distribution using Precautionary loss function ". Statistical techniques in life testing, Reliability, Sampling theory and Quality control, pp 122-127.	Statistical techniques in life testing, Reliability, Sampling theory and Quality control. Narosa Publishing House, New Delhi, India, (2007).	0975-301X	Peer reviewed and indexed	1	Co-author

### Conference / Workshop Attended: 37

Sl No.	Title of the Paper presented	Title of Conference/ Workshop with date	Organized by / held at	Level
1	Bayesian Estimation of the scale parameter of weibull distribution using Precautionary loss function.	SCRA 2002 – FIM IX, Dec 21-23, 2002.	Dept. of Statistics Allahabad University	International
2	Bayesian Estimation of the scale parameter and reliability of weibull distribution using Linex loss function.	Recent trends in Mathematics and its application, Feb 28, Mar.1, 2003.	ISMAMS, Gorakhpur	National
3	Bayesian Estimation of the scale of Gamma distribution using Precautionary loss function.	International conference on life testing, reliability, sampling theory and Q.C., Dec.29-31,	Dept. of Statistics BHU, Varanasi	International

		2003.		
4	Bayesian Estimation of the shape parameter of generalized pareto distribution under asymmetric loss function.	Emerging dimensions of physical sciences, Feb.06-08, 2004.	International Academy of Physical Sciences, Gkp University	National
5	Bayesian Estimation of the Scale parameter of weibull distribution under asymmetric loss function.	Advances in Mathematics and its applications, Feb.13-15, 2004.	ISMAMS, Gorakhpur	National
6	Bayesian Estimation of the Scale parameter of gamma distribution under linex loss functions with censoring.	SCRA 2004 – FIM IX, Dec.27-29, 2004.	Sherwood College of Management, Lucknow	International
7	Precautionary and quadratic approximate Bayes Estimators Applied to the generalized pareto distribution	International workshop/conference on Bayesian Statistics and its applications, Jan.4-8, 2005.	Dept. of Statistics BHU, Varanasi	International Workshop and conference both
8	Bayesian Estimation of reliability function of weibull distribution.	National Conference on emerging areas in mathematical sc. in first quarter of the century, Feb.11-13, 2005.	ISMAMS, Gorakhpur	National
9	Bayesian Estimation of MTTF of log normal distribution.	XXIX Indian Social Science Congress, Dec.26-30, 2005.	University of Lucknow	National
10	Bayesian Estimation of reliability function of Pareto distribution.	Conference on Mathematics, Nov.18-19, 2006.	Dept. of Maths. University of Lucknow	National
11	Bayesian Estimation of the Scale parameter of Rayleigh distribution under linex loss function.	Mathematical Sciences and Technological Innovation Diffusion Mar.16-18, 2007.	ISMAMS, Gorakhpur	National
12	Workshop attended	Advance Training Program in Mathematics, Oct.12-26, 2007.	ISMAMS, Gorakhpur	National
13	Bayesian Estimation of the Scale parameter of Rayleigh distribution under precautionary loss function.	Modern Applications of Mathematical Sciences, Feb.22-24, 2008.	ISMAMS, Gorakhpur	National
14	Bayesian Estimation of the scale parameter of inverse Gaussian distribution using linex loss function	Mathematical Sciences: A Foundation of Science and Technology, Feb.20-21, 2009.	ISMAMS, Gorakhpur	National
15	Precautionary and quadratic approximate Bayes Estimators Applied to the generalized pareto distribution with censoring.	Recent Advances in Mathematical Sciences and its applications, Feb.20-21,2010.	ISMAMS, Gorakhpur	National

16	Workshop attended	Research Oriented Advanced Statistical Techniques, Dec.23-28, 2010.	ISMAMS, Gorakhpur	National
17	Bayes Estimation of scale parameter of p- dimensional Rayleigh distribution using linex loss function	Interdisciplinary Applications of Math. and Statistical Techniques, Feb.25-26, 2012.	ISMAMS, Gorakhpur	National
18	Bayesian Estimation of the scale of generalized gamma distribution using precautionary loss function	Recent Trends in Mathematics and Statistics, Mar.12-13, 2012.	Dept. of Maths & Statistics, DDU Gorakhpur University, Gkp	National
19	Bayes estimation of reliability function of Rayleigh distribution.	Math. Sciences for the advancement of Sc. and Technology, Feb.23-24, 2013.	ISMAMS, Gorakhpur	National
20	Bayes Estimation of scale parameter of p- dimensional Rayleigh distribution using precautionary loss function	Recent Trends in Mathematics and Statistics, July 27-28, 2013.	Dept. of Maths & Statistics, DDU Gorakhpur University, Gkp.	National
21	Bayesian analysis of a probability model for first conception.	Role of Mathematical Sciences In Science and Technology, Feb.21-22, 2014.	Dept. of Maths & Statistics, DDU Gorakhpur University, Gkp.	National
22	Bayesian analysis of continuous fertility model.	Advances in Mathematical Sc. and its Applications, Feb.20-21, 2015.	ISMAMS, Gorakhpur	National
23	Seminar/ programme Attended	Role of CST, UP in promotion of Sc. and technology and facilitation of IPR protection, Mar.15, 2015.	Dept. of Maths & Statistics, DDU Gorakhpur University, Gkp.	National
24	Workshop attended	N List Workshop/ Programme, July 10, 2015.	MPPG College Jungle Dhushan, Gorakhpur	National
25	Workshop attended	Orientation Programme, Feb.13 – Mar.11, 2016.	HRDC, DDU Gorakhpur University, Gkp.	National
26	Bayesian Estimation of the scale parameter of weibull distribution under entropy loss function.	Recent Trends in Mathematical sciences, April 12-13, 2016.	M.M.M. University of Technology, Gkp.	National
27	Workshop attended	Sikshan Sansthaon me Saikshik Unnayan June 15-21, 2016.	Maharana Pratap Siksha Parishad, Gorakhnath Mandir, Gkp.	Local
28	Workshop attended	Nath Panth : Sadhana aur Darshan, July 2-3, 2016.	MPPG College Jungle Dhushan, Gorakhpur	National

29	Bayesian Estimation of Parameter of p-dimensional Size Biased Rayleigh Distribution	Recent Trends in Mathematical sciences, July 23-24, 2016.	D.D.U.Gorakhpur University, Gorakhpur	National
30	Workshop attended	Oct. 27, 2016	IQAC, MPPG College Jungle Dhushan, Gkp.	College
31	Workshop attended	Refresher Course Feb.03-23, 2017.	HRDC,DDU Gkp. University, Gkp.	National
32	Workshop attended	Varshik Rapat evam Anubhav Aadharit Sudhar, Mar. 5-11, 2017.	MPPG College Jungle Dhushan, Gorakhpur	College
33	Workshop attended	Sikshan Sansthaon me Saikshik Unnayan June 15-21, 2017.	MPPG College Jungle Dhushan, Gorakhpur	College
34	Workshop attended	Mahavidyalaya work planning,2017-18, 3-5 July, 2017.	MPPG College Jungle Dhushan, Gorakhpur	College
35	Workshop attended	Anomalies in the syllabus of Indian History and solution,16 Sep,2017.	MPPG College Jungle Dhushan, Gorakhpur	College
36	Workshop attended	Yearly Work Planning Evaluation,2 Oct, 2017.	MPPG College Jungle Dhushan, Gorakhpur	College
37	Workshop attended	Development of Hindi in Independent India, 3-4 feb, 2017.	MPPG College Jungle Dhushan, Gorakhpur	College
38	Workshop attended	Mahavidyalaya Yearly work planning 2018-19, 4-6 July, 2018.	MPPG College Jungle Dhushan, Gorakhpur	College
39	Workshop attended	Yearly Work Planning Evaluation,2 Oct, 2018.	MPPG College Jungle Dhushan, Gorakhpur	College
40	Conference attended	Lokbhasha samvardhan me Nathpanth ka yogdan, 22-23 Oct., 2018.	MPPG College Jungle Dhushan, Gorakhpur	National
41	Workshop attended	Academic audit rapat: Samiksha evam sudhar. 13 Nov.,2018.	MPPG College Jungle Dhushan, Gorakhpur	College
42	Conference attended	Recent Trends in Mathematical Sciences. 24-25 Nov.,2018.	D.D.U.Gorakhpur University, Gorakhpur	National
43	Bayesian estimation of shape parameter of Erlang distribution under precautionary loss function	Emerging Trends in Science. 1-2 Feb.,2019.	MPPG College Jungle Dhushan, Gorakhpur	College

**Published Books: 10**

Sl. No	Title	Type of Book	Publisher & ISSN/ISBN No.	No. of co-authors	Main author/ co-author
1	Statistical Methods	Text Book	Neelkamal prakashan 978-93-81054-93-2	0	Main author
2	Correlation and Regression	Text Book	Kanha publishing house 978-81-932123-5-6	0	Main author
3	Some Special Distributions	Text Book	Kanha publishing house 978-81-932123-8-7	0	Main author
4	Probability Theory	Text Book	Kanha publishing house 978-81-932123-9-4	0	Main author
5	Theory of Estimation	Text Book	Kanha publishing house Shahpur, Gorakhpur 978-81-934553-4-0	0	Main author
6	Testing of Hypotheses	Text Book	Kanha publishing house Shahpur, Gorakhpur 978-81-934553-5-7	0	Main author
7	Theory of Sampling	Text Book	Maharana Pratap P.G. College, Jungle Dhushan, Gorakhpur 978-81-929457-6-7	0	Main author
8	Numerical Analysis	Text Book	Maharana Pratap P.G. College, Jungle Dhushan, Gorakhpur 978-81-929457-7-4	0	Main author
9	Demographic Methods	Text Book	Maharana Pratap P.G. College, Jungle Dhushan, Gorakhpur 978-81-929457-7-4	0	Main author
10	Finite Differences & Interpolation	Text Book	Maharana Pratap P.G. College, Jungle Dhushan, Gorakhpur 978-81-929457-9-8	0	Main author

**Administrative Experience:**

Session	Nature of the Post
2015-2016	Member of Proctorial Board, EPF Co-incharge
2016-2017	EPF Co-incharge
2017-2018	EPF Incharge, Member of Admission Committee
2018-2019	EPF Co-incharge, Member of Admission Committee



**Teaching Methods Adopted:**

1. Pre-Declared Teaching Plans.
2. Abstract written in blackboard in last 5-10 minutes in every period.
3. Lectures according to Pre-declared teaching plan.
4. Power Point Presentation.
5. Remedial Classes.
6. Home Work.
7. Class teaching by students.
8. Group discussion.
9. Monthly Test.

**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 )