

Dr. Amit Kumar Misra
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Education Qualification

Degree	Organization	Year of award
Undergraduate	C.S.J.M. University Kanpur	2000
Post-graduation	C.S.J.M. University Kanpur	2002
Ph.D.	I.I.T. Kanpur	2012

Professional Experience (In Years)

Teaching Experience: 12

Research Experience: 12

Areas of Research

- Applied Probability
- Stochastic Orders and Stochastic Aging
- Reliability Theory
- Redundancy Allocations
- Sampling Theory

Research/Consultancy Grants

Title of Projects	Funding Agency	Duration (Specific Dates)	Total grant	Role (PI/CO-PI)
Optimal active (standby) redundancy allocations in series systems	UGC	2012-2014	6 Lakhs	PI

Publications

International
1. Neeraj Misra, Amit Kumar Misra and Ishwari Dutt Dhariyal (2011). Standby Redundancy Allocations in Series and Parallel Systems, <i>Journal of Applied Probability</i> , Vol. 48, pp. 43-55.
2. Neeraj Misra, Amit Kumar Misra and Ishwari Dutt Dhariyal (2011). Active Redundancy Allocations in Series Systems, <i>Probability in the Engineering and</i>

Informational Sciences, Vol. 25, pp. 219-235.

3. **Amit Kumar Misra** and Neeraj Misra (2011). A Note on Active Redundancy Allocations in k-out-of-n Systems, *Statistics and Probability Letters*, Vol. 81, pp. 1518-1523.
4. Neeraj Misra and **Amit Kumar Misra** (2012). New Results on Stochastic Comparisons of Two-Component Series and Parallel Systems, *Statistics and Probability Letters*, Vol. 82, pp. 283-290.
5. **Amit Kumar Misra** and Neeraj Misra (2012). Stochastic Properties of Conditionally Independent Mixture Models, *Journal of Statistical Planning and Inference*, Vol. 142, pp. 1599-1607.
6. Neeraj Misra and **Amit Kumar Misra** (2013). On Comparison of Reversed Hazard Rates of Two Parallel Systems Comprising of Independent Gamma Components, *Statistics and Probability Letters*, Vol. 83, pp. 1567-1570.
7. **Amit Kumar Misra**, Ruby Chanchal and Vaishali Gupta (2019). Stochastic Comparisons of Series and Parallel Systems with Topp-Leone Generated Family of Distributions, *Journal of Xi'an University of Architecture & Technology*, Vol. XI, Issue XII, pp. 893-906.
8. **Amit Kumar Misra**, Vaishali Gupta and Neeraj Misra (2021). Residual Stochastic Precedence Order, *Probability in the Engineering and Informational Sciences*, Vol. 35, pp. 496-512.
9. Qazi J. Azhad, Mohd. Arshad and **Amit Kumar Misra** (2021). Estimation of Common Location Parameter of Several Heterogeneous Exponential Populations based on Generalized Order Statistics, *Journal of Applied Statistics*, Vol. 48, pp. 1798-1815.
10. Ruby Chanchal, Vaishali Gupta and **Amit Kumar Misra** (2021). Real Data Applications of Topp-Leone Generated Family of Distributions, *Journal of Critical Reviews*, Vol. 8, pp. 823-828.
11. **Amit Kumar Misra**, Vaishali Gupta and Ruby Chanchal (2022). Inactivity Stochastic Precedence Order, *Communications in Statistics - Theory and Methods*, Vol. 51, pp. 2590-2609.
12. Subhash Kumar Yadav, **Amit Kumar Misra** and Tarushree Bari (2022). Generalised Classes of Estimators for Population Mean of Sensitive Variable using Non-Sensitive Auxiliary Parameters, *International Journal of Mathematical Modelling and Numerical Optimisation*, Vol. 12, pp. 287-302.
13. Subhash Kumar Yadav, **Amit Kumar Misra** and Tarushree Bari (2022). Searls Estimation Strategy for Population Mean of a Sensitive Study Variable Harnessing Non-Sensitive Auxiliary Information, *International Journal of Mathematics in Operations Research*, Vol. 23, pp. 344-358.

Authored Books

Amit Kumar Misra and Mohd. Arshad (2018). Solutions to IIT JAM for Mathematical Statistics. ISBN: 978-93-5346-351-9.

Research Supervision

	Completed	Ongoing
PG/M.Phil.	13	0
Ph.D.	3	2

Honors, Recognition and Awards

For my outstanding performance as a tutor in the course ESO209 (Probability and Statistics) during 2009-10-II semester, I received an appreciation letter from the Chairman, Academic Senate, IIT Kanpur.

Membership of Professional Bodies

1. Student member of Institute of Actuaries of India.
2. Lifetime member of Indian Society for Medical Statistics.
3. Lifetime member of The Indian Science Congress Association.
4. Lifetime member of Indian Bayesian Society.

Invited Lectures/Talks/Chair/Co-Chair in Seminar/Conference/Symposia /Workshops

Programme	Duration	Organized by/Held at	Role
One Week Online National Workshop on “Statistical Data Analysis using SPSS & R”	Mar. 20-24, 2023	Department of Statistics, Central University of Haryana, Mahendergarh	Resource Person
Lecture Series on Opportunities and Future Perspectives in Statistics and Data Science	Mar. 13-14, 2023	Department of Mathematics and Statistics, Faculty of Science and Technology, DSMNR University, Lucknow	Delivered an invited talk
Workshop on Statistical Modelling with R	Jan. 09-15, 2023	Indian Institute of Information Technology Allahabad, Prayagraj	Resource Person
One Week Online Training Programme on “Data Extraction and Analysis”	Jan. 02-06, 2023	Sharda School of Business Studies, Sharda University, Greater Noida	Resource Person
Multidisciplinary National Workshop on “Statistical Tools in Research:	Nov. 14-18, 2022	School of Sciences, Uttar Pradesh Rajarshi Tandon Open University, Prayagraj	Resource Person

Dimensions, Trends & Challenges”			
Refresher Course in Statistical Methods in Data Analysis and Research (online)	Nov. 14-26, 2022	UGC-HRDC, University of Rajasthan, Jaipur	Resource Person
One Day International Webinar on “Current State of Econometrics and Career Prospects of Young Minds”	Sep. 12, 2022	Department of Statistics, Central University of Rajasthan	Participant
One Week Faculty Development Programme on “Tools and Techniques in Translational Research”	July 21, 2022	Faculty of Science, Invertis University, Bareilly	Resource Person
IV th National Workshop on “Statistical Techniques for Data Analysis Using Software Tools SPSS and R”	June 20-30, 2022	Department of Commerce & Research and Promotion Cell, D.A.V. P.G. College, Varanasi	Resource Person
Quality Improvement Programme on “Basics of Research Methodology”	June 03-04, 2022	Dayanand Academy of Management Studies, Kanpur	Resource Person
International Symposium on Advances in Data Sciences and Emerging Technologies	May 10, 2022	Amity University, Lucknow	Delivered an invited talk
Workshop on “Introductory Course on Research Methodology & Biostatistics”	May 05-06, 2022	M.R.U., Pt. B.D. Sharma PGIMS, Rohtak	Resource Person
Short-Term Training Programme on “Research Methodologies and Scientific Research Writing using LaTeX”	Mar. 12-16, 2022	Dept. of Electronics and Communication Engineering, NIT, Kurukshetra	Resource Person
UGC-HRDC Refresher Course of Statistical Computing in Social Science (Online)	Jan. 24 to Feb. 05, 2022	UGC-HRDC Centre, University of Rajasthan, Jaipur	Resource Person
Three Days Online Workshop on LaTeX	Jan. 05-07, 2022	Dept. of Statistics, Panjab University, Chandigarh	Resource Person
An International Conference on Recent Application of Statistical Techniques and Analysis (RASTA-2021)	Dec. 15-17, 2021	Dept. of Statistics, Institute of Science, BHU, Varanasi	Chaired a Technical Session
Online Workshop on ‘Statistical Computing using R’	Oct. 25-30, 2021	DST Center for Interdisciplinary Mathematical Sciences,	Resource Person

		Institute of Science, BHU, Varanasi	
One-Week virtual National Faculty Development Program on “Scientific Documentation using LaTeX (SDL-2021)”	Aug. 09-14, 2021	Dept. of Engineering Mathematics and Humanities, SRKR Engineering College (A), Bhimavaram, A.P.	Resource Person
ATAL Academy Online Elementary FDP on “Research Confront and Document Preparation using LaTeX”	Aug. 02-06, 2021	NIT, Kurukshetra	Resource Person
One Day Webinar on Quantile Modelling	May 31, 2021	Department of Statistics, Panjab University, Chandigarh	Participant
Two-week Refresher Course in Statistics on “Applications of Statistical Techniques in Real World”	May 01-15, 2021	Dept. of Statistics, Ramanujan College in collaboration with TLC, Ramanujan College, University of Delhi	Resource Person
Two-week online workshop entitled “Tools and Techniques in Statistical Analysis”	Apr. 06-19, 2021	Acharya Narendra Dev College, University of Delhi	Resource Person
Workshop on “Software Packages used in Research”	Mar. 22-26, 2021	School of Basic Sciences and Technology, IIMT University, Meerut	Resource Person
Webinar on Study Design & Sample Size Determination	Dec. 12-13, 2020	Dept. of Biostatistics and Health Informatics, SGPGI, Lucknow	Resource Person
Online Workshop on Statistical Computing using R	Oct. 11-16, 2020	DST CIMS, Institute of Science, BHU, Varanasi	Resource Person
Faculty Development Program on Role of LaTeX in Scientific Writing	June 19-21, 2020	Dept. of Mathematics, Babu Banarasi Das NIIT, Lucknow	Resource Person
Webinar on Linear Regression	June 15, 2020	Dr. Shivanand Nautiyal Government P.G. College, Karanprayag, Chamoli	Resource Person
7 Days Online Faculty Development Program on Advanced Statistical Analysis for Management and Social Sciences	June 03-09, 2020	Amity Institute of Behavioural and Allied Sciences, Amity University, Lucknow	Resource Person
Two Days Workshop on	May 23-24, 2020	Dept. of Statistics, St. John's	Resource Person

Sample Size Determination using G-power Software		College, Agra	
Two Week FDP on Managing Online Classes and Co-creating MOOCS 2.0	May 18 to June 01, 2020	Teaching and Learning Center, Ramanujan College, University of Delhi, Delhi	Participant
Five Days Online Faculty Development Program on 'DATA SCIENCE'	May 09-13, 2020	Dept. of Computer Science and Applications, Dr. Harisingh Gour University, Sagar (M.P.)	Resource Person
Workshop on Research Protocol Writing	Nov. 29-30, 2019	Jawaharlal Nehru Medical College, Aligarh Muslim University, Aligarh	Resource Person
Five Days Workshop on LOCF and CBCS System of UGC	Oct. 11-15, 2019	Teaching Learning Center, Central University of Rajasthan, Rajasthan	Participant
Workshop on Effective Medical Thesis Writing	Sep. 25-26, 2019	Rohilkhand Medical College and Hospital, Bareilly	Resource Person
Workshop on Effective Medical Thesis Writing	Sep. 23-24, 2019	Rohilkhand Medical College and Hospital, Bareilly	Resource Person
Lecture Series	Apr. 18, 2019	Dept. of Statistics, Shia P.G. College, Lucknow	Resource Person
Five Days Workshop on Enhancing of Teaching and Learning Skills in Statistics	Mar. 12-16, 2019	Teaching Learning Center, Central University of Rajasthan, Rajasthan	Participant
Seven Days Workshop on Data Analytics using SPSS	Feb. 19-25, 2019	Dept. of Statistics, University of Lucknow, Lucknow	Resource Person
Introductory Course on Research Methodology and Biostatistics for Nursing Professionals	Jan. 21-22, 2019	Government Nursing College, Haldwani	Resource Person
Workshop on Effective Medical Thesis Writing	Jan. 18-19, 2019	Government Medical College, Haldwani	Resource Person
National Workshop on Scientific of Writing using LaTeX 2018	Dec. 26-31, 2018	Amity School of Applied Sciences, Amity University, Lucknow	Resource Person
A Two-Day National Workshop on Research Methodology and Application of SPSS	Mar. 07-08, 2018	IQAC, Patna Women's College, Patna University, Patna	Resource Person
National Science Day Celebration and Seminar	Feb. 27-28, 2018	BBAU, Lucknow	Presented a paper
1 st North Indian Science Congress	Jan. 10-11, 2018	BBAU, Lucknow	Delivered an invited talk
35 th Annual Conference of	Nov. 02-04, 2017	Dept. of Biostatistics and	Presented a

Indian Society for Medical Statistics		Health Informatics, SGPGI, Lucknow	paper
Workshop Series on Clinical Biostatistics	Aug. 21-25, 2017	Dept. of Biostatistics, Swami Rama Himalayan University, Dehradun	Resource Person
International Workshop Cum Seminar on Data Analytics Using R	June 23-29, 2017	Dept. of Mathematics and Statistics, DSMNR University, Lucknow	Resource Person
Workshop on Biostatistical Computing with R	May 15-20, 2017	Dept. of Biostatistics and Health Informatics, SGPGI, Lucknow	Resource Person
Lecture Series	Apr. 12, 2017	Dept. of Statistics, Shia P.G. College, Lucknow	Resource Person
4 th Lucknow Science Congress	Mar. 03-04, 2017	BBAU, Lucknow	Delivered an invited talk
National Workshop on Scientific Writing using LaTeX	Feb. 14-20, 2017	Dept. of Mathematics and Statistics, DSMNR University, Lucknow	Resource Person
National Workshop on Learning Statistical Techniques with SPSS	Nov. 19-22, 2016	Dept. of Statistics, Patna University, Patna	Resource Person
Summer School (Refresher Course)	June 8-29, 2016	UGC HRDC, University of Lucknow, Lucknow	Participant
Workshop on Statistical Thinking & Data Analysis	May 16-22, 2016	Dept. of Statistics, University of Allahabad, Allahabad	Resource Person
Workshop on Computational Statistics	Feb. 22-26, 2016	Interdisciplinary Statistical Research Unit, ISI Kolkata	Participant
Short Term Course on Applications of Statistical and Mathematical Techniques	Dec. 14-19, 2015	Dept. of Statistics and Mathematics, Amity University, Lucknow	Resource Person
International Conference on Statistics and Related Areas for Equity, Sustainability and Development	Nov. 28-30, 2015	Dept. of Statistics, University of Lucknow, Lucknow	Presented a paper
Ten-Day Capacity Development Programme for Social Sciences on Research Methodology	Jan. 8-18, 2014	Birla Institute of Technology, Patna	Resource Person
65 th Orientation Programme	Nov. 23 to Dec. 20, 2013	UGC Academic Staff College, Patna University, Patna	Participant
Conference on Applied Statistics and Its Applications-2013	Mar. 16-17, 2013	Dept. of Applied Statistics, BBAU, Lucknow	Delivered an invited talk

Workshop on Reliability Theory & Survival Analysis	Dec. 3-5, 2012	Dept. of Mathematics and Statistics, IIT Kanpur	Delivered an invited talk
Workshop/Training on Personality Development	Oct. 5, 2012	Central University of Bihar, Patna	Participant
National Seminar on New Dimensions in Statistics: Concepts and Issues	March 2-4, 2012	Dept. of Statistics, BHU, Varanasi	Presented a paper
Young Visitor Program	Jan. 30 to Feb. 5, 2012	Statistics and Mathematics Unit, ISI Delhi	Invited for research collaboration
One Week Training Program on Official Statistics	Dec. 19-23, 2011	National Academy of Statistical Administration, Greater Noida	Participant
Workshop on Reliability Theory & Survival Analysis	Nov. 23-25, 2011	Applied Statistics Unit, ISI Kolkata	Participant
Workshop on Reliability Theory & Survival Analysis	Nov. 25-27, 2010	Dept. of Mathematics, IIT Bombay	Participant
International Congress of Mathematicians (ICM)	Aug. 19-27, 2010	Hyderabad	Participant
ICM Satellite Conference on Probability & Stochastic Processes	Aug. 13-17, 2010	ISI Bangalore	Participant
Advanced Training Program on Bayesian Statistics: Theory and Applications	Dec. 21-27, 2009	Dept. of Statistics, BHU, Varanasi	Participant
Workshop on Stochastic Models and their Applications	Sep. 22 to Oct. 4, 2008	Dept. of Statistics, BHU, Varanasi	Participant

Accomplishments

1. In March 2017, I have successfully completed 'Introduction to Mathematical Thinking' an online non-credit course authorized by Stanford University and offered through Coursera.
2. Qualified CSIR-JRF-NET examination conducted jointly by CSIR and UGC, India in Dec. 2005.
3. JRF from CSIR, from Aug. 2006 to July 2008 and SRF from CSIR, from Aug. 2008 to July 2011.
4. Cleared papers CT4 (Models), CT6 (Statistical Methods), and CT3 (Probability and Mathematical Statistics) conducted by Institute of Actuaries of India in May 2009, Nov. 2008, and June 2005, respectively.