

## Curriculum Vitae

**Name:** Dr. Chandni Kumari

**Sex:** Female

**Nationality:** Indian

**Language Proficiency:** English, Hindi

**Current Designation:** Assistant Professor in the Department of Statistics, University of Lucknow, U.P.

**Email:** [chandnithakur897@gmail.com](mailto:chandnithakur897@gmail.com)

**Contact Number:** +91-8303111583

### **Education Qualification**

<b>Examination</b>	<b>Discipline/ Specialization</b>	<b>Board/ University</b>	<b>Year of Passing and Percentage</b>
Ph.D. (Statistics)	<b>Sample Survey</b>	Babasaheb Bhimrao Ambedkar University, Lucknow	2018
Master of Science (M. Sc.)	<b>Statistics</b>	Babasaheb Bhimrao Ambedkar University, Lucknow	2014 (76.72%)
Bachelor of Science (B. Sc.)	<b>Statistics, Mathematics, Computer-Science</b>	University of Lucknow	2012 (74.33%)

### **Teaching Experience**

- ✓ Taught Statistics as Guest Faculty at Department of Geology, Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow from 16<sup>th</sup> July – 20 December 2018.
- ✓ Taught Official Statistics to the students of M.Sc (Applied Statistics), Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow during my research period.

### **Administrative Experience**

- ✓ Worked as an Assistant Statistical Officer in the Department of Commercial Tax, U.P. Govt. from 31<sup>st</sup> Jan 2019 – 29<sup>th</sup> Nov 2024.

### **Academic Awards/Honours:**

- ✓ Qualify **National Eligibility Test (NET) in Population Studies in July, 2016** for Assistant Professor conducted by University Grant Commission (UGC), India.
- ✓ Qualify **National Eligibility Test (NET) in Agricultural Statistics in December, 2018** for Assistant Professor and Scientist conducted by

Agriculture Scientist Recruitment Board (Indian Council of Agricultural Research), India.

- ✓ **Topper of B. Sc III Year** of Mahila P. G. College, Lucknow, 2011-2012.
- ✓ **Topper of Faculty of Science** of Mahila P. G. College, Lucknow, 2011-2012.
- ✓ **Topper in Computer Science** of Mahila P. G. College, Lucknow, 2010-2011.
- ✓ **Topper in Mathematics** at B. Sc. II Year of Mahila P. G. College, Lucknow, 2010-2011.
- ✓ **Topper of B. Sc II Year** of Mahila P. G. College, Lucknow, 2010-2011.
- ✓ **Consolation Prize for Skits**, BBAU Youth Festival 2013, 07-08 October, 2013.
- ✓ **Got First Prize on a play** "SCIENCE ROCKS" in 2015 at BBAU, Lucknow

#### **Research Paper Publication:**

- 1 Bhushan, S. and **Kumari, C.** (2018). "An unbiased family of sampling strategies for estimation of population variance", *International Journal of Statistics and Systems* (ISSN 0973-2675), 13(1), 41-52.
- 2 Bhushan, S. and **Kumari, C.** (2018). "A new log type estimators for estimating the population variance", *International Journal of Computational and Applied Mathematics* (ISSN 1819-4966), 13(1), 43-54.
- 3 Bhushan, S. and **Kumari, C.** (2018). "A Class of Double Sampling Log-Type Estimators for Population Variance Using Two Auxiliary Variable", *International Journal of Applied Engineering Research* (ISSN NO. 0973-9769), 13(13), 11151-11155.
- 4 Bhushan, S. and **Kumari, C.** (2018). "Some Classes of Log Type Estimators Using Auxiliary Attribute for Population Variance", *International Journal of Scientific and Engineering Research* (ISSN NO. 2347-3878), 9(6), 1823-1832.
- 5 Bhushan, S. and **Kumari, C.** (2018). "Estimation of Variance of Finite Population Using Double Sampling Scheme", *International Journal of Scientific and Engineering Research* (ISSN NO. 2347-3878), 9(8), 1893-1901.
- 6 **Kumari, C.**, Bhushan, S. And Thakur, R. K. (2018). "Modified Ratio Estimators Using Two Auxiliary Information for Estimating Population Variance in Two-Phase Sampling", *International Journal of Scientific and Engineering Research* (ISSN NO. 2347-3878), 9(8), 1884-1892.
- 7 **Kumari, C.**, Bhushan, S. And Thakur, R. K. (2019). "Optimal Two Parameter Logarithmic Estimators for Estimating the Population Variance", *Global Journal of Pure and Applied Mathematics* (ISSN NO.0973-9750), 15(5), 527-537.
- 8 Bhushan, S. and **Kumari, C** (2019). "Double Sampling Log-type Estimator Using Auxiliary Attribute for Population Variance", *Journal of Statistics Applications & Probability* (ISSN NO. 2090-8431), 6(3), 1-6.

- 9 **Kumari, C.** and Thakur, R. K. (2020). "An Improved Estimation of Population Variance using the Coefficient of Kurtosis and Median of an Auxiliary Variable", *International Journal of Engineering Science and Research Technology* (ISSN 2277-9655), 9(4), 168-175.
- 10 **Kumari, C.** and Thakur, R. K. (2020). "Improved Ratio-type Estimators using Auxiliary Attribute for Population Variance", *International Journal of Science and Research* (ISSN 2391-7064), 9(4), 1491-1505.
- 11 **Kumari, C.** and Thakur, R. K. (2020). "A Family Logarithmic Estimators for Population Variance under Double Sampling", *International Journal of Mathematics Trends and Technology* (ISSN 2231-5373), 66(4), 99-105.
- 12 **Kumari, C.** and Thakur, R. K. (2020). "On Construction of Modified Class of Estimators for Population Variance using Auxiliary Attribute", *International Journal of Management and Humanities* (ISSN 2394-0913), 4(9), 109-119.
- 13 **Kumari, C.** and Thakur, R. K. (2020). "Estimation of Population Variance using known coefficient of Kurtosis and Median of an auxiliary variable", *International Journal of Advance Research* (ISSN 2320-5407), 8(4), 803-810.
- 14 **Kumari, C.** and Thakur, R. K. (2020). "Efficient class of estimators for estimating the Population Variance using Auxiliary Variable and Attribute", *International Journal of Engineering Science and Research Technology* (ISSN 2277-9655), 9(5), 1-6.
- 15 **Kumari, C.** and Thakur, R. K. (2020). "On Development of estimation procedure for estimating Population Variance under simple random sampling", *International Journal of Multidisciplinary Educational Research* (ISSN 2277-788), 5(3), 24-38.
- 16 **Kumari, C.** and Thakur, R. K. (2020). "An Advanced Class of Log-type estimator for Population Variance using an attribute and a variable", *International Journal of Industrial Engineering Research and Development* (ISSN 0976-6987), 11(1), 1-7.
- 17 **Kumari, C.** and Thakur, R. K. (2020). "The Utilization of Auxiliary information in the estimation procedure of Population Variance". *International Journal of Multidisciplinary Educational Research* (ISSN 2277-7881), 9,5(5), 36-45.
- 18 **Kumari, C.** and Thakur, R. K. (2021). "An Efficient Log-type class of estimators using Auxiliary information under Double Sampling", *Journal of Statistics Application & Probability* (ISSN 2090-8431), 10(1), 1-6.
- 19 Bhushan, S., **Kumari, C.** and Thakur, R. K. (2020). "A Generalised Class of Ratio-type estimators for Population Variance under Midzuno-Sen type sampling scheme", *International Journal of Engineering Research and Applications* (ISSN 2248-9622), 10(4), Series VI, 55-60.

- 20 **Kumari, C.** and Thakur, R. K. (2020). "Improved Sampling Strategies for finite population using Auxiliary Information", *International Journal of Current Advance Research* (ISSN 2319-6475), 9(4), 21932-21935.
- 21 **Kumari, C.** and Thakur, R. K. (2020). "Optimal Sampling Strategies for Estimation of Population Mean using Auxiliary Information", *International Journal of Agricultural Science and Research* (ISSN 2250-0057), 10(3), 91-100.
- 22 **Kumari, C.** and Thakur, R. K. (2020). "Family of Estimators for Population Variance using Two Auxiliary Information", *International Journal for Research in Applied Science and Engineering Technology* (ISSN NO 2321-9653), 8(5), 310-315.
- 23 **Kumari, C.** and Thakur, R. K. (2020). "Unbiased estimation of Population mean using Midzuno-Sen sampling scheme", *Advances in Research* (ISSN 2348-0394), 21(6), 16-20.

#### **Published Chapters in Edited Book:**

1. Mishra, M., Thakur, R. K., Kumari, C. (2021). Chapter 5- "**An Overview of Artificial Neural Networks (ANNs): Concepts and Applications**" is published in the Edited Book entitled- **Advance Research Trends in Statistics and Data Science** by MKSES Publisher, Lucknow, India. (ISBN: **978-81-949305-4-9**).
2. Mishra, M., Thakur, R. K., Kumari, C. (2021). Chapter 6- "**Simultaneous Equation Model: An Overview**" is published in the Edited Book entitled- **Recent Research in Mathematical, Statistical and Computational Sciences** by MKSES Publisher, Lucknow, India. (ISBN: **978-93-91248-25-3**).
3. Mishra, M., Thakur, R. K., Kumari, C. (2021). Chapter – "**Sample Surveys: An Overview and Applications**" is published in the Edited Book entitled- **Recent Research in Mathematical, Statistical and Computational Sciences** by MKSES Publisher, Lucknow, India. (ISBN: **978-93-91248-28-4**).

#### **Skills**

- 1 Statistical Tools: SPSS (Statistical Package for Social Science), SAS, R, Python
- 2 Programming Languages: C
- 3 Office Skills: Microsoft Office (MS-Word, MS-Excel, MS-Power Point)
- 4 Scientific Writing: Latex, Math-type

#### **Conferences Attended:**

- 1 Presented a paper in **MTMI International Conference on Globalization and Competiveness in Business & Technology (MTMI-2019)**, 20-22 September, 2019, **University of Maryland Eastern Shore, USA**, Department of Management, Frostburg State University, USA.
- 2 Presented a paper in **1<sup>st</sup> North Indian Science Congress and International Conference on Science and Technology for Sustainable Future (NISC-**

**2018**), 10-11 January, 2018, Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow, India.

- 3 Presented a paper in **National Conference on Advanced Developments in Theoretical and Applied Statistics (ADTAS-2017)**, 13-15 November, 2017, Department of Statistics, Banaras Hindu University, Varanasi, India.
- 4 Presented a paper in **35<sup>th</sup> Annual Conference of Indian Society for Medical Statistics**, 02-04 November, 2017, Department of Biostatistics and Health Informatics, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow, India.
- 5 Presented a paper in **International Conference on Nanoscience and Nanotechnology (ICNN-2017)**, 22-24 September, 2017, Department of Applied Physics, Babasaheb Bhimrao Ambedkar University, Lucknow, India.
- 6 Presented a paper in **VIII International Symposium on Statistics and Optimization, December 17-19, 2016, In Conjunction with XXXVI-Annual Convention of Indian Society for Probability and Statistics**, Dept. of Statistics and Operation Research, A. M. U., Aligarh, India.
- 7 Presented a paper in **International Conference on Statistics and Related Area of Equity, Sustainability and development (SRAESD-2015)** In Conjunction with XXXV Annual Convention of Indian Society for Profanity and Statistics (ISPS), 28<sup>th</sup>-30<sup>th</sup> Nov, 2015, Dept. of Statistics, University of Lucknow, India.
- 8 Presented a paper in **3<sup>rd</sup> Lucknow Science Congress and National Conference on “Science for Society: An Interdisciplinary Approach”**, 31<sup>st</sup> Oct- 2<sup>nd</sup> Nov, 2015, BBAU, Lucknow, India.
- 9 Participated in a **Conference on Applied Statistics and its Application 2013 (CASA 2013)**, Mar 16-17, 2013, Dept. of Applied Statistics BBAU, Lucknow, India.

**Seminar Attended:**

- ✓ One day Seminar on Awareness of Official Statistical System in India and Career Prospects, 23 Nov, 2013 (Sponsored by MOSPI, Govt. of India), Department of Statistics, University of Lucknow, Lucknow, India.

**Workshop Attended:**

- ✓ **National Workshop on “Application of STATA and EVIEWS Package for Analysis of Socio-economic Data”**, 26-28 March 2019, Department of Economic Studies and Policy, Central University of South Bihar, Gaya, India.

- ✓ **International Workshop on Epidemiological Study Designs**, November 2017, Department of Biostatistics and Health Informatics, SGPGI, Lucknow, INDIA.
- ✓ **International Workshop cum Seminar on data analytics using R**, 23-29 June 2017, Department of Mathematics & Statistics, DSMNRU, Lucknow, INDIA.
- ✓ **National Workshop on scientific writing using Latex**, 14-20 February 2017, Department of Mathematics & Statistics, DSMNRU, Lucknow, INDIA.
- ✓ Participated at **Yoga Workshop** 2016, 27-29 May 2016, Babasaheb Bhimrao Ambedkar University, Lucknow, INDIA.
- ✓ **National Workshop on Inference in Stochastic Processes**, 23-26 February 2015, Department of Statistics & Centre for Advanced Studies, Savitribai Phule Pune University, Pune, INDIA.

### **Training Programme:**

- ✓ One Week Training Program on “Official Statistics”, 17-21 June, 2013, **National Academy of Statistical Administration (NASA)**, MOSPI, Govt. of India.
- ✓ Attended **Faculty Development Program (FDP) on “Financial Statistics”**, 20-22 December, 2017, Department of Statistics, University of Delhi, Delhi, India.
- ✓ One Week **Faculty Development Program (FDP) on “Mathematical Statistics”**, 22-29 September, 2018, Department of Statistics, Ramanujan College, University of Delhi, Delhi, India.

### **Internship**

- ✓ Ministry of Statistics and Program Implementation (MOSPI), **National Sample Survey Office (NSSO)**, RO Lucknow. 16 June- 17 August 2013.

### **Projects**

- ✓ **Prevailing system of Official Statistics in country**, Ministry of Statistics and Program Implementation (MOSPI), National Sample Survey Office (NSSO), RO Lucknow.
- ✓ **Estimation of Population Mean using auxiliary information in presence of non response**, Department of Applied Statistics, Babasaheb Bhimrao Ambedkar University, Lucknow.

### **Extra Curricular Activities**

- ✓ Diploma in Computer Application from ICTE, Lucknow.
- ✓ Perform Nukkad- Natak for various social awareness campaigns.
- ✓ Participated in Essay-Competition on Statistical Day (29<sup>th</sup> June) at NSSO, Lucknow.
- ✓ Perform a play on “KURSI” in North Zone Youth Festival 2013, BBAU, Lucknow.

- ✓ Perform a “Skits” in North Zone Youth Festival 2013, BBAU, Lucknow.
- ✓ Perform a play on “AURAT” in 2014 at Jaipuria Institute of Management, Lucknow.
- ✓ Perform a play “RANG BIRANGE JHANDE” on 15<sup>th</sup> August 2014, BBAU, Lucknow.
- ✓ Perform a play “HALAT SAMNE HAI” in 2015 at BBAU, Lucknow.
- ✓ Perform a play on “SCIENCE ROCKS” at Ministry of Human Resource Development (MHRD), 07 July 2015.

**Declaration:** I hereby declare that the above given information is true to the best of my knowledge and belief.

Place: Lucknow

Date: January, 2025

Dr. Chandni Kumari