



**Shaheed Rajguru College of Applied Sciences for Women
University of Delhi
Faculty Profile**

Name	Dr. DHIRENDRA SINGH		
Designation	ASSISTANT PROFESSOR		
Department	STATISTICS		
Email	dharendra.singh@rajguru.du.ac.in		
Degree	Institution	Percentage	Year
B.Sc.	CH. Charan Singh University, Meerut	62.82	2001
M.Sc.	CH. Charan Singh University, Meerut	73.44	2003
M.Phil.	CH. Charan Singh University, Meerut	68.60	2004
Ph.D.	Narendra Deva University of Agriculture & Technology, Ayodhya -224229	87.77	2018
Areas of Interest / Specialization			
Sampling, Reliability, Statistical Quality Control, SPRT, Six Sigma.			
Publications Profile			
1. B.V.S. Sisodia & Dharendra Singh. Calibration Estimators of Finite Population Mean in Multi-Stage Stratified Random Sampling. <i>Journal of the Indian Society of Agricultural Statistics</i>, Vol. 80(1) 2026, p.p. 1-8. https://doi.org/10.56093/JISAS.V80I1.1 (Available online at http://isas.org.in/isa/jisas) 2.Dhirendra Singh, Bhupendra Veer Singh Sisodia, Nidhi and Sandeep Pundir. Some Calibration Estimators for Finite Population Mean in Two-stage Stratified Random Sampling. <i>Communication in Statistics- Theory and Methods</i>, Vol. 49 (17), 2020 p.p.4234-4247 (Available online https://doi.org/10.1080/03610926.2019.1596283.) 3. Dhirendra Singh and B.V.S. Sisodia. Double calibration approach-based estimator of population mean in two-stage stratified random sampling when auxiliary information is available at element level. <i>International Journal of Scientific Research in Mathematical and Statistical Sciences</i>, Vol. 5(6) 2018, p.p.196-207 (Available online).			

4. Dhirendra Singh and B.V.S. Sisodia. **Two-step Calibration of finite population mean in two-stage stratified random sampling when auxiliary information is available at primary stage unit level.** *International Journal of Agricultural and Statistical Sciences*, Vol. 14(2) 2018, p.p.781-790. (Available online).
5. Shweta Chauhan, B.V.S. Sisodia and Dhirendra Singh. **Robust Estimation in Stratified Sampling under Error-in-variables Super Population Model.** *Journal of Indian Society of Agricultural Statistics*, Vol. 72(1) 2018, p.p. 33-37 (Available online).
6. Dhirendra Singh, B.V.S. Sisodia, V.N. Rai, and Sandeep Kumar. **A calibration approach-based regression and ratio type estimators of finite population mean in two-stage stratified random sampling.** *Journal of the Indian Society of Agricultural Statistics*, Vol. 71(3) 2017, p.p. 217-224(Available online).
7. Dhirendra Singh and Sandeep Kumar. **Calibration approach for estimation of area under jhum cultivation in India.** *Int. J. Curr. Microbiol. App. Sci.*, Vol. 6(9) 2017, p.p. 1725-1731(Available online).
8. Sandeep Kumar, B. V. S. Sisodia, Sunil Kumar, Dhirendra Singh and Pradip Basak. **On various approaches for estimating finite population total in survey sampling under ratio super population model.** *International Journal of Agricultural and Statistical Sciences*, Vol. 13(2) 2017, p.p. 667-682(Available online).
9. Sandeep Kumar, B. V. S. Sisodia, Dhirendra Singh and Pradip Basak. **Calibration approach-based estimation of finite population total in survey sampling under super population model when study variable and auxiliary variable are inversely related.** *Journal of Reliability and Statistical Studies*, Vol. 10(2) 2017, p.p. 83-9(Available online).

PAPER PRESENTED & PARTICIPATED IN NATIONAL / INTERNATIONAL CONFERENCE:

1. **A calibration approach-based regression and ratio type estimators of finite population mean in Two-Stage Stratified Random Sampling** in 9th *International Conference on Quality, Reliability, Infocom Technology & Business Operation* on December 27-29, 2018 at Conference Center, University of Delhi, Delhi-110007, India.
2. **Double Calibration Approach Based Estimator for Population Mean in Two-Stage Stratified Random Sampling When Auxiliary Information Available at Element Level** in *National Conference on Advances in Mathematics and its Applications* on 17-18 March, 2018 at M. B. Govt. P. G. College, Haldwani (Nainital), Uttarakhand, India.
3. **Double Calibration Estimators of Finite Population Mean in Two-Stage Stratified Random Sampling** in *National Conference on Advances in Operation Research and Mathematical Sciences* on 24-25 Feb, 2018 at Department of Statistics, Vardhaman College,

Bijnor (U.P.), India.

4. Some Calibration Estimators in Finite Population Parameter in Two-Stage Stratified Random Sampling in *3rd National Conference on Recent Trends in Mathematical Sciences (Sponsored by UGC, New Delhi) on 9-10 February, 2017 at Shri Mata Vaishno Devi University, Katra, Jammu and Kashmir, India.*

5. Calibration Approach for Estimate Finite Population Parameter in Two-Stage Stratified Random Sampling in *National Seminar on Recent Advances in Mathematics and Its Computational Aspects (Sponsored by UGC, New Delhi) on November 11-12, 2016 at Shaheed Mangal Pandey Government Girls (P.G.) College, CCS University, Meerut (U.P), India.*

6. International Conference on Robust Statistics (5 days) 2015, on January 12-16, 2015 at Indian Statistical Institute, 203 B.T. Road, Kolkata, India.

7. National conference on Advances in Theoretical and Applied Statistics on February 12-13, 2015 at Department of Statistics, Panjab University, Chandigarh, India.

8. International Conference on History of Mathematics (2 days) 2015, on November 27-28, 2013 at Ramjas College, University of Delhi, Delhi-110007, India.

9. National Seminar on Role of Foreign Direct Investment (FDI) in Indian Economy on March 17-18, 2012 at D.N. College, Meerut (U.P.), India.

10. National Seminar on Emerging Trends in Management and Information Technology on April 13, 2010 at IIMT Engineering College, Meerut (U.P.), India.

11. National seminar on Global business scenario: Issues & challenges on December 06-07, 2009 at lord Krishna Group of Institutions, Ghaziabad, India.

PARTICIPATED IN FACULTY DEVELOPMENT PROGRAMME/ WORKSHOPS:

1. Two-Week Interdisciplinary Faculty Development Programme on “Data Analysis using Software Packages” on December 12-24, 2018 at Hindu College, University of Delhi-110007, India.

2. One-Week Workshop on Statistical Analysis for Engineers (SAFE-2015) on May 04 – 08, 2015 Sponsored by “Continuing Education Programme of IIT Kanpur” at Indian Institute of Technology Kanpur, Kanpur, India.

INVITED LECTURE:

Continuing Education Programme (CEP) on “Basics of Behavioural Data Analysis: Concepts, Methods and Application using R” on 20-22 May, 2026 at Government of India, Ministry of Defence, Defence Research & Development Organization (DRDO), Timarpur, Delhi-110054. (Ref. no. 2059/Dir/DIPR/MD).

RESEARCH GUIDENCE:
1. Supervised one undergraduate student for the award of B.Sc. (Hons.) with research in Statistics in session 2025-26 on the topic <i>“Sustainable Growth of Wheat Production in Uttar Pradesh: A comparative Study on Crop Yield Estimation in Various Districts.</i> 2. Supervised one undergraduate student for the award of B.Sc. (Hons.) with research in Statistics in session 2025-26 on the topic <i>“A Comparative Study: Estimating the BMI Prevalence Among Adults Using Large Scale Survey Data in India.</i> 3. Supervised one undergraduate student for the award of B.Sc. (Hons.) with research in Statistics in session 2025-26 on the topic <i>“A Statistical Analysis: Impact of Viral Marketing on Brand Awareness”.</i> 4. Supervised one undergraduate student for the award of B.Sc. (Hons.) with research in Statistics in session 2025-26 on the topic <i>“A Comparative Statistical Analysis of Factors Influencing Consumer preferences for Online V/S Offline Shopping using Sampling Techniques”.</i> 5. Supervised one undergraduate student for the award of B.Sc. (Hons.) with research in Statistics in session 2025-26 on the topic <i>“Impact of Branding in Shaping Consumer Preferences: A Sampling based Statistical Analysis”.</i> 6. Mentored one undergraduate student of B.Sc. (Hons.) Statistics in 2026 for Online Six Sigma Green Belt Training and Certificate Program (SQC & OR Unit, Mumbai, Indian Statistical Institute,) on the topic <i>“Reducing Turnaround Time (TAT) and Improving First-Time-Fix-Rate (FTFR) in Service Job Work”</i>
Awards and Distinctions