

Curriculum Vitae

Dr. ALOK KUMAR SINGH

M.Phil., PhD (Applied Statistics)

Assistant Professor

Department of Statistics

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PERSONAL PROFILE

Name	:	Alok Kumar Singh
Father Name	:	Mr. Arvind Pratap Singh
Date of Birth	:	14.08.1990
Marital Status	:	Unmarried
Nationality	:	Indian
Language Known	:	Hindi & English

ACADEMIC QUALIFICATIONS

- **PhD (Applied Statistics) (2017)** from Indian Institute of Technology (Indian School of Mines), Dhanbad.
Title of Thesis: Some Efficient Estimation Techniques in Successive Sampling
- **M.Phil. (Statistics) (2012)** from School of Studies in Statistics, Vikram University, Ujjain with **87.57%**
- **M.Sc. (Statistics) (2011)** from School of Studies in Statistics, Vikram University, Ujjain with **85.86%**
- **B.Sc. (Hons) (Statistics and Informatics) (2009)** from School of Studies in Statistics, Vikram University, Ujjain with **84.37%**
- **Intermediate (Science) (2006)** from Saraswati Vidya Mandir, Sultanpur with **68.5%**
- **High School (2004)** from Saraswati Vidya Mandir, Sultanpur with **66%**

ACADEMIC EXPERIENCE

- **Assistant Professor** in Department of Statistics, Sri Venkateswara College, University of Delhi since January 09, 2018 till date.

COURSES TAUGHT

- B.Sc. (H) Statistics Sem IV and V (Statistical Quality Control and Programming In C)
- Generic Elective Sem I and IV (Statistical Methods and Applied Statistics)

ACADEMIC ACHIVEMENTS AND AWARDS

- 2009: Received **merit certificate** for securing first rank in B.Sc.(Hons).
- 2011: Received **merit certificate** for securing first rank in M.Sc.
- March, 2013- March, 2015: **Junior Research Fellow**, IIT(ISM) Dhanbad
- April 2015- January 2017: **Senior Research Fellow**, IIT(ISM) Dhanbad
- December 2020- **Young Achiever Award** for Research work.
- Fellow of Royal Statistical Society (UK).
- Dr. Sarvepalli Radhakrishnan Best Faculty Award in Statistics 2021 by CPACE.

TEACHING INTEREST

- Basic Statistics
- Applied Statistics
- Statistical Inference

RESEARCH INTEREST

- Sampling Technique
- Statistical Inference
- Statistical data analysis

COMPUTER PROFICIENCY

Operating System: Windows upto 10

Programming Languages: R

Software: Microsoft office, MATLAB, SPSS, Latex

STRENGTH

- Converting power from theoretical to applied knowledge.
- Sincerity, Regularity, Dedicative and Self-motivation.

RESEARCH PUBLICATIONS

1. Singh, G. N. and **Singh, A. K.** (2016): An improved estimation procedure of population mean in two-occasion successive sampling. **Communication in Statistics-Theory & Methods**, 45(13), 3930-3938.

2. Singh, G. N. and **Singh, A. K.** (2016): On estimation of finite population variance in two-occasion successive sampling. **International Journal of Applied Mathematics and Statistics**, 55(3), 28-40.
3. Singh, G. N., **Singh, A. K.** and Sharma, A. K. (2016): An improved generalized estimation procedure of current population mean in two-occasion successive sampling. **Journal of Modern Applied Statistical Methods**, 15(2), 187-206.
4. Singh, G. N., Singh, A. K. and Kadilar, C. (2018): Almost unbiased estimation procedures of population mean in two-occasion successive sampling. **Hacettepe Journal of Mathematics and Statistics**, 47(5), 1268-1280
5. Singh, G. N., Sharma, A. K. and **Singh, A. K.** (2018): Estimation of population mean on the most recent occasion under non-response in h-occasion successive sampling using several auxiliary variables. **Communication in Statistics-Theory & Methods**, 47(4), 839-861.
6. Singh, G. N. and Singh, A. K. (2016): An efficient estimation procedure in two-occasion successive sampling. **Journal of Statistical Theory and Applications**, 16(1), 26-37.
7. Singh, G. N. and **Singh, A. K.** (2016): An improved estimation procedure of population mean on recent occasion in h occasion successive sampling. **Journal of Applied Probability and Statistics**, 11(2), 95-105.
8. Singh, G. N. and **Singh, A. K.** (2014): One parameter family of estimators of population mean two-occasion successive sampling. **Statistica**, anno LXXIV(4), 417-430.
9. Singh, H. P., Solanki, R. and **Singh, A. K.** (2016): A generalized ratio-cum-product estimator for estimating the finite population mean in survey sampling. **Communication in Statistics-Theory & Methods**, 45(1), 158-172.
10. Singh, H. P., **Singh, A. K.** and Solanki, R. (2014): Estimation of finite population variance using auxiliary information in sample surveys. **Statistica**, Vol. anno LXXIV, no. 1, 99-116.

11. Singh, H. P., Solanki, R. and **Singh, A. K.** (2014): Predictive Estimation of Finite Population Mean using Exponential Estimators. **Statistika**, 94(1), 41-53.
12. Singh, G. N., Khalid, Mohd. and **Singh, A. K.** (2017): An Improved Estimation Procedures Using Transformed Auxiliary Variable in Two-Occasion Successive Sampling. **International Journal of Mathematics and Statistics**, 18(2), 79-92.
13. Singh, G. N., **Singh, A. K.** and Sharma, A. (2017): Estimation of Population Mean in h Occasion Successive Sampling using Imputation Method for Missing Data. **Journal of Statistical Theory and Applications. (Article in Press)**
14. Sharma, A., **Singh, A. K.** (2019): Estimation of Population Variance under an Imputation Method in Two-Phase Sampling. **Proceedings of the National Academy of Sciences, India Section A: Physical Sciences, Springer**, 90(1), 185-191
15. **Singh, A. K.** and Sukla M. K. (2020): On the use of chain type Product Estimator in Successive Sampling. **Journal of Statistics Applications & Probability and Letters. (Article in Press).**

CONFERENCE/WORKSHOP ATTENDED

1. Present the paper entitled “**An Improved Estimation Procedure of population mean in two-occasion successive sampling**” in the **International Conference “Role of Statistics in the advancement of Science and Technology**” at Department of Statistics, University of Pune, Maharashtra, India, during December 16-18, 2013.
2. Attended the national workshop on “**Big Data and Analytics**” which was at the Department of Statistics, Sri Venkateswara University, Tirupati, Andhra Pradesh, India, during November 27-30, 2014.
3. Present the paper entitled “**One Parameter Family of Estimators of Population Mean in Two-Occasion Successive Sampling**” in the **International Conference on “Statistics and Information Technology for a Growing Nation**” at Department of

Statistics, Sri Venkateswara University, Tirupati, Andhra Pradesh, India, during 30th November to 2nd December, 2014.

4. Attended the 80th **Annual Conference** of the **Indian Mathematical Society (IMS)** at Department of Applied Mathematics, Indian School of Mines, Dhanbad, Jharkhand, India, during December 27-30, 2014.
5. Present the paper entitled “**An Improved Generalized Estimation Procedure of Current Population Mean in Two-Occasion Successive Sampling**” in **68th Annual Conference of the Indian Society of Agricultural Statistics** at Indian Agricultural Statistics Research Institute, New Delhi, India, during January 29-31, 2015.
6. Present the paper entitled “**On the Estimation of Finite Population Variance in Two-Occasion successive Sampling**” in **National Seminar on Use of Statistics in Industry and Corporate World** at Department of Statistics, BHU, Varanasi, India during, October 25-26, 2015.
7. Attend the **International Workshop** on “**Distribution Theory and Applications**” organized by Department of Statistics, University of Kerla, Trivandrum, India, during December 14-16, 2015.
8. Present the paper entitled “**Almost Unbiased Estimation Procedure of Population Mean in Two-Occasion Successive Sampling**” in the **International Conference on “Statistics for Twenty-first Century-2015 (ICSTC-2015)”** organized by Department of Statistics, University of Kerla, Trivandrum, India, during December 17-19, 2015.
9. Present the paper entitled “**Estimation of Population Mean in h-Occasion Successive Sampling using Imputation for Missing Data**” in the **International Conference on “Recent Advances in Statistics”** organized by Department of Statistics, University of Mumbai, India, during June 27-29, 2016.
10. Participate in **International Workshop Cum Seminar on Data Analytics Using R** organized by D.S.M.N.R.U, Lucknow during June 23-29, 2017.

11. Participate in **Faculty Development Program cum Workshop on Climate Across the Curriculum: Resources for Integrating Climate Topics in Discipline-Specific Teaching** Organized by Sri Venkateswara College , University of Delhi during 13th - 14th October, 2018.
12. Participate in **National workshop on Statistical Computing with R** organized by IIT, Dhanbad during Nov. 2-3, 2019.
13. Attended online **ISI Young Statistician webinar** organized by Indian Statistical Institute, Netherlands on May 9, 2020.
14. Attend **National Webinar on Data Analysis and Statistical Computing** organized by Department of Statistics, Dr. Bhimrao University, Agra, on May 27, 2020.
15. Attend **National Webinar on Mathematical Models on Transmitting Behaviour of Covid-19**, organized by Department of Mathematics and Statistics, Manipal University, Jaipur on June 23, 2020.
16. Attend **National Webinar on Climate Change: Local Actions to Global Challenges**, organized by Harish Chandra PG College, Varanasi on June 27, 2020.
17. Participate in online **Faculty Development Program on Data Science**, organized by AICTE Training and Learning Academy, during September 21-25, 2020.

BOOK PUBLISHED

Title: Recent Estimation Techniques in Successive Sampling, Year 2019

Publisher: LAMBERT Academic Publishing

ISBN No. : 978-613-9-91626-9

DELIVERED INVITED TALK

- **Keynote Speaker** in One week online workshop programme on E-content Development for online teaching and learning: Need of the hour organized by Harish Chandra PG College, Varanasi (UP), during June 25-July 1, 2020.

EXTERNAL EXAMINER

- External examiner for the B.Stat. and B.Sc. (H) Mathematics, Amity University Mumbai.
- External examiner for “Capstone Project in Mathematics” VIT, Vellore.
- External Subject Expert of the DRC in Mathematics, Amity University, Mumbai.

PROFESSIONAL ASSOCIATION

Reviewer of International Journals

- Communications in Statistics – Theory and Methods, Taylor and Francis UK.
- Communications in Statistics –Simulation and Computation, Taylor and Francis ,UK
- Hacettepe Journal of Mathematics and Statistics, Turkey
- Applied Mathematics and Computation, USA
- Proceedings of the National Academy of Sciences, India Section A, India, Springer.
- Pakistan Journal of Statistics and Operation Research.
- Journal of Reliability and Statistical Studies, India.
- Journal of Statistical Theory and Applications, Atlantis Press, Amsterdam
- Journal of Modern Applied Statistical Methods, USA
- Journal of Statistics Applications & Probability, USA
- Journal of Statistics Applications & Probability Letters. USA

EXTRA ACTIVITY

- Participate in Science Conclave 2010: IIIT Allahabad, 8-14 December.
- Selected at **Joint Secretary** of Vikram University Student Union during 2009-10.
- Cleared NPTEL online certification course on **Introduction to R Software** organized by Indian Institute of Technology, Kanpur during July-Sep, 2017.
- Statistics Association -in-charge, SV College.

Alok Kumar Singh

