Title		Name	DR. RAJESH TAILOR	Photograph
Department		School of Studies in Statistics		
Designation		Reader		Kindly Paste your recent passport size photograph here
Address		31, Kamari Marg Street No., Ujjain-456006		
Phone- Office		0734-2511123		
Residence		0734-2556255		
Mobile		9630295223		
E-Mail		tailorrajgmail.com		

Educational Qualifications

Degree	Institution	Year
Ph.D.	Vikram University, Ujjain	2002
PG	Vikram University, Ujjain	1998
UG	Vikram University, Ujjain	1996
Other		

Career Profile

Area of Interest/ Specialization

Sampling Theory and Population Studies

Subjects Taught

Sampling Techniques, Distribution Theory, Multivariate Analysis, Applied Statistics, Design of Experiments and Statistical Inference

Publication Profile

Research Papers:

(A). Journal Papers:
   International:

1. ***Singh, H.P. and Tailor, R. (2003).*** Use of known correlation coefficient in estimating the finite population mean. **Statistics in Transition,** 6,4, 555-560.

2. ***Singh, H.P. and Tailor, R. (2005).*** Estimation of finite population mean using known correlation coefficient between auxiliary characters. **Statistica,** ,anna LXV,n. 4, 407-418.

3. *Tailor, R., Kumar, M. and Tailor, R. (2006).* Estimation of finite population mean using power transformation. **International journal of Agricultural and Statistical Science**, 2, 2, 341-345.

4. *Singh, H.P., Tailor, R. Singh, S. and Kim, J. M. (2008).* A modified estimator of population mean using power transformation. **Statistical Papers**, 49, 37-58.

5. *Tailor, R. and Tailor, R. (2008).* Estimation of finite population mean using two auxiliary variables in sample surveys. **Model Assisted Statistics and Application**, 3,4, 297-303.

6. *Singh, H.P., Tailor, R. and Tailor, R. (2008).* Duals to Mohanty and Sahoo s estimators. **Statistica,** anno LXVIII, 3-4, 411-433 .

7. *Sidhu S. S., Tailor, R. and Singh, S.* (2009).On the Estimation of population proportion. Applied Mathematical Science. 3, 35, 1739-1744.

8. *Singh, S., Singh, H. P., Tailor, R., Allen A, and Kozak, M. (2009).* Estimation of Ratio of Two Finite-Population Means in the Presence of Non Response **Communication in Statistics-Theory and Methods.,** 38, 19, 3608 – 3621.

9. *Tailor, R. and Sharma B.K. (2009).* A modified ratio-cum-product estimator of finite population mean using known coefficient of variation and coefficient of kurtosis. **Statistics in Transition-New series**, 10, 1, 15—24.

10. *Tailor, R. (2009).* A modified ratio-cum-product estimator of finite population mean in stratified random sampling. **Data Science Journal , 182-189 (on line).**

11. *Tailor, R. Verma M. Sharma B.K (2009).* An alternative ratio-cum product estimator of population mean using coefficient of kurtosis of two auxiliary variates". **Data science Journal (on line), 9, 93-99.**

12. **Singh, H.P. , Upadhyaya, L. N. and Tailor, R. (2009).** Ratio-cum-product type exponential estimator. **Statistica**, 69, 4, 299-310.

13. *Singh, H.P., Tailor, R., and Tailor, R. (2010)*. On ratio and product methods with certain known population parameters of auxiliary variable in sample surveys. **SORT, 34, 2,157-180.**

14. *Sharma, B.K., and Tailor, R. (2010).* A New Ratio-Cum-Dual to Ratio Estimator of Finite Population Mean in Simple Random Sampling. **Global Journal of Science Frontier Research .10,1 27-31.**

15. *Tailor, R. and Sharma B. K. (2010)*. Improved estimation of population mean using known parameters of auxiliary variable. **Journal of Modern Applied Statistical Methods,** 10,1, 61-66.

16. *Singh, H.P., Tailor, R. and Tailor (2011)*. Estimation of finite population mean in two - phase sampling with known coefficient of variation of an auxiliary character. **Statistica,** 72, 111-126.

17. *Tailor, R. , Sharma, B.K. and Kim, J. M. (2011).* A generalized ratio-cum-product estimator of finite population mean in stratified random sampling. **Communications of the Korean Statistical Society, 18,1,111-118.**

18. *Tailor, R. and Parmar, R., Kim, J. M. and Tailor, R. (2011).* Ratio-cum-product estimators of population mean using known population parameters. **Communications of the Korean Statistical Society. 18, 2, 155–164.**

19. *Tailor, R. and Singh H.P. (2011).* A family of estimators for population mean using coefficients of variation of auxiliary as well as study variate and the correlation coefficient between study and auxiliary variate. **Journal of Applied Statistical Science, 18, 1, 37-49.**

20. *Singh, H.P., Tailor, R. and Jatwa, N. (2011)*. Modified ratio and product estimators for population mean in systematic sampling. **Journal of Modern Applied Statistical Method**s. 2, 424-435.

21. **Tailor, R. and Chouhan, S. (2011).** A product estimator of ratio of two-population means in stratified random sampling. **International journal of Agricultural and Statistical Science, 2, 7, 423-427.**

22. *Tailor, R. , Sharma, B.K. (2012).* Modified estimators of population variance in presence of auxiliary information. **Statistics in Transition-New Series**, 13, 1 37-46.

23. *Singh, H.P., Tailor, R. and Singh, S. (2012)*. General procedure for estimating the population mean using ranked set sampling. **Journal of statistical Computation and Simulation.** 1-15

24. *Tailor, R. Chouhan, S. Tailor, R. and Garg, N. (2012).* A ratio-cum product estimator of population mean in stratified random sampling using two auxiliary variables. **Statistica**, LXXII,3, 287-297.

25. *Tailor, R. and Chouhan, S. (2012)*. Ratio-type estimator of ratio of two population means in stratified random sampling. **Journal of Modern Applied Statistical Methods**, 11,1, 279-283.

26. *Singh. H.P., Tailor, R., Kim, J. M. and Singh, S. (2012)*. Families of estimators of finite population variance using a random non-response in survey sampling. **Korean Journal of Applied Statistics**, 25, 4, 681-695.

27. **Tailor R. and Sharma, B.K. (2013).** On the efficiency of ratio-cum-product estimator of finite population mean in double sampling when coefficient of variation and coefficient of kurtosis of auxiliary variable are known. **Journal of Applied Statistical Science**, 20,1, 1-20.

28. *Tailor, R. and Chouhan, S. (2013)*. Ratio-cum-product type exponential estimator of finite population mean in stratified random sampling. **Communication in Statistics - Theory and Methods**, 43, 343-354.

Nationals:
1. *Singh, H.P. and Tailor, R. (2000).* Predictive estimation of finite population mean in two phases sampling with known coefficient of variation of second auxiliary variable. **Vikram Mathematical Journal**, 20, **5-13.**

2. *Tailor, R. (2001).* An improved generalized class of estimators of mean using auxiliary information in survey sampling .**The Vikram, XXVII**, 1 & 3, **53-65**.

3. *Singh, H.P. and Tailor, R. (2003).* An improved generalized class of estimators of variance using auxiliary information in survey sampling. **Assam Statistical Review**, 17, 2, 103-118.

4. *Singh, H.P. and Tailor, R. (2004).* A family of unbiased estimators in two-stage sampling. **Journal of Indian Society of Agricultural Statistics,** 58, 2, 163-176.

5. *Singh, H.P., Tailor, Rajesh , Tailor, Ritesh. and Kakran , M.S.(2004)* An improved estimator of population mean using power transformation. **Journal**

of Indian Society of Agricultural Statistics,58, 2, 223-230.

6. *Tailor, R. (2005).* Primary education facilities in Bihar- An analysis. **Journal of Indian Education**. 31, 2, 60-66.

7. *Tailor, R, Sharma, S. K, Tailor, R. (2006).* Primary education of Scheduled Tribes Children in India- A statistical Note. **Tribal health Bulletin**, 12, 1&2.

8. *Tailor, R., Sharma, S.K. and Tailor, R. (2007). P*articipation of scheduled castes children at primary stage in India**. Journal of Indian Education**, 89-104.

9. *Tailor, R., Tailor, Parmar, R. and Kumar, M. (2012).* Dual to ratio-cum-product estimator using known parameters of auxiliary variables. **Journal of Reliability and Statistical Methods**, 5, 1, 65-71.

10. **Tailor, R. Jatwa, N. K. and Garg, N. (2012).** Dual to product type estimator of population mean using known correlation coefficient. **Indian Journal of Statistics and Applications. 1,2, 105-110**.

11. **Tailor, R. and Lone, A. H. (2012).** Separate ratio-cum-product estimators of population mean in Stratified random sampling. **Journal of Rajasthan Statistical Society**, 1, 2, 94-102.

12. **Tailor, R., Tailor, R. and Chouhan, S. (2012).** Dual to Ratio-cum-product estimator of population mean**. Applications of Reliability theory and Survival Analysis**. 232-238.

Authors name(s), Title of the paper, name of the Journal, year, volume, issue, page numbers
(B). Conference Papers:
 <u>*International:*</u>
 Authors name(s), Title of the paper, name of the conference, place, dates & year, page numbers

 <u>*Nationals:*</u>
 Authors name(s), Title of the paper, name of the conference, place, dates & year, page numbers

Books Published:

Authors name(s), Title of the book, name of the publisher, year

Research Guidance

Supervision of awarded Doctoral Thesis:
1. Sharma, B.K. (2012). Some contribution the theory of estimation of population

parameters using auxiliary information in sample surveys.

2. Chouhan, S. (2013). Improved estimation of parameters using auxiliary information in sample surveys.
3. Parmar, R. (2013).Use of Auxiliary information for the estimation of some population parameters in sample surveys.

Supervision of M. Phil. dissertations:
Scholar's name, year, Title of dissertation
1. Chouhan, M. (2010). Estimation of population mean using auxiliary information.
2. Malviya, P. (2011).Dual to ratio-type estimators in stratified random sampling.
3. Rawal, S. (2011). Estimation of ratio of two population means using auxiliary information.
4. Hilal, A. L. (2012).Estimation of finite population mean using auxiliary information in stratified random sampling.
5. Mudasir, N. A. (2012). Estimation of population in presence of auxiliary information.
6. Malik, K.A. (2012). Estimation of finite population mean using auxiliary information in double sampling.
7. Sharma, M. (2012). Dual approach for estimation of population mean using auxiliary information.

Conferences Organized

Organization of a Conference -

Conferences / Seminars etc. Attended

Attended and Paper Presented in International Conference: 8

1. International Conference on Statistics and Informatics in Agricultural Research organized by Indian Society of Agricultural Statistics at IASRI Pusa campus, New Delhi-110045, December 27-30, 2006.

2. 7th International Triennial Calcutta Symposium on Probability and Statistics organized by Department of statistics, Calcutta University and Calcutta Statistical Association at Calcutta University, Kolkata, December 28-31, 2009.

3. International congress of Mathematicians and Satellite International Conference on Probability and statistics organized by Department of Statistics and Mathematics, Sambalpur University, Sambalpur, September 1-3, 2010.

4. International conference on development and applications of statistics in

emerging areas of science & technology (ICDASEAST) hosted by department of statistics university of jammu, Jammu - 180 006 (j&k)

5. International Conference on "New Trends in Life Testing, Bayesian Inference, Sampling Theory, Bio-statistics, Bio-informatics and Computer Applications" organized by Department of Statistics, Banaras Hindu University, Banaras , January 5-8, 2011.

6. International Conference on Statistics , Probability and Related Areas organized by Department of Statistics, cochin university of science and Technology, December 19-22,2011.

7. VII International Symposium on optimization and statistics & III National conference on Statistical inference , sampling techniques and related areas Organized by Department of statistics and operation research, Aligrh, December 21-23, 2012.

8. ISBA regional meeting and International workshop/conference on Bayesian Theory and Applications (IWCBTA) organized by Department of Statistics, BHU, Varanasi during January 6-10, 2013.

Attended and paper Presented in National Conferences/Seminars: 14

1. Annual Seminar on Population of Madhya Pradesh, 2004 organized by Population Resource Centre, Bhopal Madhya Pradesh. February 23-25 , 2004.

2. 61st Annual Conference of Indian Society of Agriculture Statistics Organized at Birsa Agricultural University, Ranchi, Jarkhand. November 30- December 2,2007.

3. 9th Bhopal Seminar organized by "SHYAM" Institute, Bhopal from 28 -30 January, 2009.

4. National Seminar on Biostatistics in Clinical trials organized by Department of Statistics. Faculty of Science, The M.S. University of Baroda, Vadodara. September, 19-20, 2009.

5. National Conference on Statistical Inference , Sampling Techniques and Related

areas organized by department of Statistics and Operation Research, Aligarh Muslim university during March 28-29, 2011.

6. National Conference on Recent Development in Statistics, organized by Department of Studies & Research in Statistics, Gulbarga University, University, Gulbarga, Karnataka during September 8-9, 2011.

7. National conference on recent development in Mathematics, Statistics, computer Science and Their applications organized by Department of Mathematics, Statistics and Computer applications, Dr. Ambedkar College, Nagpur, December 2-3, 2011.

8. National conference on recent developments in the application of reliability theory and survival analysis organized by Department of Statistics, Ramanujan School of mathematical Science, Pondicherry University. Pondicherry during February 02-03, 2012.

9. National Conference on Statistical Inference , Sampling Techniques and Related areas organized by department of Statistics and Operation Research, Aligarh Muslim university, Aligarh February 11-12, 2012.

10. National Seminar on New Dimensions in Statistics: Concepts and Issues organized by Department of Statistics, Banaras Hindu University, Varanas, March 2-4, 2012.

11. National conference on recent developments in the application of reliability theory and survival analysis organized by Department of Statistics , Pondicherry University, Puducherry, 2-3 Feb., 2012.

12. National Conference on Statistical Inference , Sampling Techniques and Related areas organized by Department of Statistics and Operations Research, Aligarh Muslim University, Aligarh, 11- 12 Feb., 2012.

13. National Seminar on new dimension in statistics: Concepts and Issues organized by Department of Statistics Banaras Hindu University, Varanasi, March 2-4, 2012

14. Conference on applied statistics and its application organized by Department of

statistics, Babasaheb Bhimrao Ambedkar University, Lucknow, March 16-17, 2013.

Attended and paper Presented in State Conferences: 04

1. 16th M.P. Young Scientist Congress organized by Devi Ahilya Vishwavidyalaya, Indore. Madhya Pradesh. September 6-7, 2001.
2. 18th M. P. Young Scientist Congress organized by Madhya Pradesh Bhoj (Open) University, Bhopal, Madhya Pradesh. 4-5 March, 2003.
3. 19th M. P. Young Scientist Congress organized by Dr. Hari Singh Gour Vishwavidyalaya. Madhya Pradesh. 12-13 April, 2004.
4. One day Symposium organized by Economics and Statistics Secretariat, Madhya Pradesh Government, at Bhopal June 29, 2010.

Interdisciplinary Conference/workshop/Seminar: 03

1. Developmental Initiatives and role of Community Education. Organized jointly by The Indian Society for Community Education (ISCE) Ahemdabad and School of Studies in Continuing Education, V.V. ujjain. March 29, 2008.
2. General Poor –Class Welfare and Empowerment. Organized by Vikram University , Ujjain in association with state General Poor Class Welfare Commission , Bhopal. December 22-23, 2009.
3. National conference on Changing Scenario of Education and Madhya Pradesh Vishwavidyalaya Adhiniyam-1973 organised by Vikram University, Ujjain, February 18-19,2012.

Orientation Program/ Training program: 03

1. Four Week orientation Course organized by Department of Teacher Education and Extension, NCERT, New Delhi. February 7 –March 4, 2005.
2. Four day orientation Program organized by DERPPE, NCERT at RIE Maysore .

3. Saksham IT- Champion Training Program in Soft Skills Institute of Computer Science, V.U. Ujjain organized by Institute of Computer Science V.U. Ujjain, January 16-25, 2012

Workshop/ Training as a Resource Person : 06

1. Training in Sampling Techniques for conducting Educational Surveys for North-Eastern Officials organized at Sikkim Directorate of Education, Gangtok, Siklkim. October 12-17, 2006.

2. Dissemination Programme of 7th All India School Education Survey data for North Eastern States organized at Directorate of Primary Education, West Bengal organized, Kolkata.

3. Training in Sampling Techniques for Conducting Educational Surveys for North-Eastern Officials organized at Sikkim Directorate of Education, Gangtok, Siklkim. October 25-29, 2007.

4. "Workshop on Educational Management Information System organized (EMIS) by North East Regional Institute (NERIE), Shilong, Meghalaya. November 21-24, 2007.

5. Workshop for preparing Training Modules for DIET faculty organized by Department of Programme, Planning and Monitoring. NCERT, New Delhi. December 18-20 ,2007.

6. One day Seminar organized by Mandsour Institute of technology on Testing of Hypothesis on October, 31, 2009.

Research Projects
Name of Project: -   **Position in Project**: -   **Period**: -   **Grant**: -
Awards and Distinctions

Association with Professional Bodies

Committees and Boards- Member Board of Studies in Statistics, Vikram Unuiverity, Ujjain(M.P.)

Member Board of Studies in Statistics, Holkar Science College, Indore(M.P.)

Memberships
1. **Indian Society of Agricultural Statistics, New Delhi**
2. **Indian Science Congress, Kolkata**
3. **Calcutta Statistical Association, Kolkata**
4. **Indian Statistical Institute, Kolkata**

Other Activities

Research Interests - Sampling Theory and Population Studies

Survey Articles -

Popular Article -

Delivered Lectures -

Forthcoming Research -