Dr. Subhash Kumar Yadav

Assistant Professor

Department of Statistics,

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Date of Birth: 01.02.1982

Place of Birth: Lucknow, Uttar Pradesh, INDIA

1. Academic career:

Service period and positions:

- Lecturer in Dept of Statistics, D.A-V College, Kanpur from 19th August 2006 to 11th December 2009.
- Assistant Professor in Dept of Mathematics and Statistics, Dr R M L Avadh University, Faizabad from 14th December 2009-18th November 2017.

2. Academic profile:

Exam Passed	University/Board/institute	Subjects	Year	Division
High School	U. P. Board, Allahabad	Hindi, English, Mathematics, Science, Social Science, Biology	1997	First
Intermediate	U. P. Board, Allahabad	Hindi, English, Mathematics, Physics, Chemistry	1999	First
B. Sc.	University of Lucknow, Lucknow	Mathematics, Statistics, Physics	2002	First
M. Sc.	University of Lucknow, Lucknow	Mathematical Statistics	2004	First
NET	Joint CSIR-UGC	Mathematical sciences	Dec 2005	---
Ph.D.	University of Lucknow, Lucknow	Statistics	2009	---

3. Teaching experience:

U.G. Level: 03 Years

P.G. Level: 10 Years

4. Research experience: 10 Years

5. Ph.D. (University of Lucknow)

Thesis Topic: "On Estimation Procedures in Sampling Theory Using auxiliary Variables".

6. Area of research interest: Sampling, regression analysis, operations research.

7. Membership of Academic society:

- Indian Science Congress: Life Membership No.-L14913.
- Indian Society of Mathematics and Mathematical Sciences: Life Membership No-270.

8. Awards/Fellowships received:

- **Young researcher travel award** to give a 30 minute invited talk on survey sampling at international conference on advances in interdisciplinary statistics and Combinatorics (AISC 2014) held at University of North Carolina- Greensboro, USA.
- **Young Scientist Award-2016** for the contribution in the field survey sampling given by Venus International Research Foundation, Chennai, INDIA.

9. National/International Collaborations:

(a) A collaborative work is going on with **Prof. Cem Kadilar**, Professor, Department of Statistics, Hacettepe University, Ankara, Turkey. We have got published seven papers in the field of sampling and work is going on other papers.

(b) Three papers have been published in collaboration with **Prof. Sat Gupta**, Department of Mathematics and Statistics, University of North Carolina, Greensboro, USA in the fields of sampling and operations research in journals of repute. Some papers are communicated and work is going on some papers.

(c) A collaborative work is going on with **Prof. D.K. Sharma**, Department of Business, Management and Accounting, University of Maryland Eastern Shore, Princess Anne, MD 21853, USA in the fields of sampling and operations research. One paper has been accepted and work is going on other papers.

(d) A collaborative work is going on with **Dr. Nipaporn Chutiman**, Department of Mathematics, Faculty of Science, Mahasarakham University, Maha Sarakham, Thailand in adaptive cluster sampling and a paper has been published with her and on others is going on.

(e) Three papers have been published in collaboration with **Dr. A.A. Adewara**, Department of Statistics, University of Ilorin, Ilorin, Kwara State, Nigeria in the field of sampling and work is going on other papers.

(f) A collaborative work is going on with **Prof. Jambulingam Subramani**, Department of Statistics, Ramanujan School of Mathematical Sciences, Pondicherry University, Pondicherry, India. A couple of papers have been published in his collaboration and work is going on for others.

(g) A collaborative work is going on with **Prof. S.S. Mishra**, Department of Mathematics and Statistics, Dr Ram Manohar Lohia Avadh University, Faizabad, India in the fields of sampling and Operations research. We have got published thirty papers and work in going on other papers.

10. Delivered Invited Talk:

(1) In Indian Science Congress during 3-7 Feb 2014 organized by University of Jammu, Jammu for the section mathematical science on the topic "An efficient class of population mean" of Survey sampling.

(2) 19th Annual National Conference of Society of Statistics, Computer and Applications (SSCA-2017) on Statistics and Informatics in Agricultural and Allied Sciences organized by Sher-e-Kashmir University of Agricultural Sciences and Technology, Jammu, India during March 06-08, 2017.

(3) International Conference on Biological Sciences and Biostatistics organized by School of Science, U.P. Rajarshi Tandon Open University, Allahabad, India during March 09-10, 2017 and title of the talk was "A new generalized median based estimator of the finite population mean"

11. Books Published:

(1) Advanced Sampling-The estimation of population parameters, S.K. Yadav, *Lambert Academic Publishing (LAP)*, Germany. ISBN-978-3-659-47312-8.

(2) Auxiliary Information and Estimation of Population Mean, S.K. Yadav, *Lambert Academic Publishing (LAP),* Germany. ISBN-978-3-659-51607-8.

12. Reviewer:

- Communications in Statistics-Theory and Methods, USA, 2015
- Communications in Statistics-Simulation and Computation, USA, 2016
- Hacettepe journal of Mathematics and Statistics, TURKEY, 2012, 2013.
- Colombian journal of Statistics, COLOMBIA, 2013.
- Journal of reliability and statistical studies, INDIA, 2013, 2014, 2015.
- Pakistan journal of Statistics, PAKISTAN, 2014, 2015.
- Mathematics, CHINA, 2015.
- Journal of Modern Applied Statistical Methods, USA, 2015.
- International Journal of Operational Research, USA, 2016.
- Journal of Statistical Theory and Practice, USA, 2016.
- Gazi University Journal of Science, TURKEY, 2016.

- Pakistan journal of Statistics and operations research, PAKISTAN, 2016.
- Journal of Statistics Applications and Probability Letters, USA, 2016.
- Journal of Statistics Applications and Probability, USA, 2016.
- Journal of Applied Mathematics, Statistics and Informatics, SLOVAK REPUBLIC, 2016.

13. Conferences / Seminars organized (Member Organizing Committee):

(1) International Conference on statistics and related areas for equity, sustainability and development (sraesd-2015) in conjunction with xxxv annual convention of Indian Society for Probability and Statistics (ISPS) organized by Department of Statistics, University of Lucknow, Lucknow during 28-30 November 2015.

(2) National seminar on "Current Trends in Mathematics with Special Focus on Operation Research and Computers" Sponsored by Department of Higher Education, Govt. of Uttar Pradesh, India during 28-29 March 2010 organized by Department of Mathematics and Statistics, Dr Ram Manohar Lohia Avadh University, Faizabad.

14. Chaired Sessions in Conferences:

(1) Chaired a session in the International Conference entitled "on statistics and related areas for equity, sustainability and development" (sraesd-2015) in conjunction with xxxv annual conven tion of Indian Society for Probability and Statistics (ISPS) organized by Department of Statistics, University of Lucknow, Lucknow during 28-30 November 2015.

15. Workshops/Training Programs/Orientation/Refresher Attended:

(1) Attended the training workshop on advanced computer processing on STATA and unit level anal ysis of NSS data from 1-15 July 2008 at Giri Institute of Development Studies, Lucknow.

(2) Attended a national workshop on SPSS from 18-19 July 2009 at Lucknow University, Lucknow.

(3) Attended a faculty development programme on MATLAB from 28-29 July 2010 at Delhi Institute of Advanced Studies, Delhi.

(4) Attended a national workshop on "Research Oriented Advanced Statistical techniques" by ISMAMS from 23-28 Dec 2010 at Gorakhpur.

(5) Attended Orientation program at Academic Staff College, University of Lucknow, during 1-30 September, 2011.

(6) Attended Sir S. Ramanujan Memorial workshop/ Lecture series from 18-22 Dec 2012 at D.A-V College, Kanpur.

(7) Attended Refresher program on Mathematical Sciences at Academic Staff College, University of Lucknow, during 1-21 January, 2013.

(8) Attended Refresher program on Research Methodology at Human Resource Development Centre, University of Lucknow, during 1-23 February, 2016.

16. Conferences / Seminars attended and presented paper in:

(16) 20th International conference of International Academy of Physical Sciences on Recent Advances in Physical Sciences and Future Challenges organized by Osmania University, Hyderabad, India during July 14-16, 2017 and the title of the talk was "A New Generalized Median Based Estimator of the Finite Population Mean"

(15) National seminar on Applications of Scientific and Statistical Software in Research organized by U. P. Rajarshi Tandon Open University, Allahabad, India during March 30-31, 2017. The title of paper was "A New difference type median based estimator of the finite population mean"

(14) National conference on recent trends in Mathematical sciences organized by Department of Mathematics and Statistics, DDU Gorakhpur University, Gorakhpur during 23-24 July 2016. The title of the paper was "A new improved class of estimators for the population variance".

(13) International conference on recent advances in Mathematics and their applications (ICRAMTA-2016) organized by Department of Mathematics, University of Rajasthan, Jaipur during 10-12 July 2016. The title of the paper was "Use of correlation coefficient and quartiles of auxiliary variable for improved estimation of population variance".

(12) 18th International conference of International Academy of Physical Sciences on Recent Trends in Physical Sciences organized by Faculty of Science, University of Allahabad in Collaboration with United Group of Institutions, Allahabad during 22-24 December 2015. The title of the paper was "Efficient estimator of population variance using parameters of auxiliary variable".

(11) International Conference on statistics and related areas for equity, sustainability and development (sraesd-2015) in conjunction with xxxv annual convention of Indian Society for Probability and Statistics (ISPS) organized by Department of Statistics, University of Lucknow, Lucknow during 28-30 November 2015. The title of the paper is "Efficient estimator of population variance using coefficient of kurtosis and population mean of the auxiliary variable"

(10) National conference on Recent Trends in Mathematics: Topological Algebraic analysis and Applications by Bharat Ganita Parishad in conjunction with the Department of Mathematics and Astronomy, University of Lucknow, Lucknow at Department of Mathematics and Astronomy, University of Lucknow, Lucknow during 21-22 November, 2015. The title of the paper is "Estimation of population mean under Adaptive Cluster Sampling".

(9) International conference on Recent Trends in Mathematics held at University of Allahabad, U.P., during July 10-12, 2015. The title of the paper presented is "Efficient estimation of variance using correlation coefficient and quartiles of the auxiliary variable".

(8) National conference on Advances in Mathematical Science and its Applications jointly organized by Indian Society of Mathematics and Mathematical Sciences and Department of Mathematics and Statistics, D.D.U. Gorakhpur University, Gorakhpur, U.P., India during Feb 20-21, 2015. The title of the paper presented is "Improvement in Estimating the Population Variance Using Correlation Coefficient and Quartiles of the Auxiliary Variable".

(7) National conference on recent advances in statistical and mathematical sciences and their Applications held at Kumaun University, Nainital, U.K. during 04-06 Oct 2014. The title of the paper presented is "Improved ratio type estimator of population mean under two phase sampling".

(6) XVI Annual conference on International Academy of Physical Sciences on Physical Science and Technology for Sustainable Development held at IIITDM Jabalpur during 20-22 March 2014. The title of the presented paper is "Improved Estimation of Population Mean Using Median and Coef ficient of Variation of Auxiliary Variable".

(5) Conference on applied Statistics and it's applications from 16-17 March 2013 organized by Department of applied Statistics, Babasaheb Bhimrao Ambedkar University, Lucknow and presented a Paper entitled "Improved Ratio Estimators of Population Mean Using Functions of Quartiles".

(4) National seminar on "Recent trends in official Statistics" from 13-14 October 2012 organized by Department of Statistics, University of Lucknow, Lucknow and presented a Paper entitled "Efficient ratio estimator of population mean using known median and coefficient of kurtosis".

(3) 15th Annual conference of Vijnana Parishad of India and a national seminar on "New Thrust Area in Mathematical Sciences and Technology" from 4-6 Nov 2011, organized by Dept of Mathemat ics, D.A-V College, Kanpur and presented a Paper entitled "Improved exponential ratio cum dual to ratio type estimator of population mean".

(2) International conference on "Advances in modeling, optimization and computing " from 5-7 Dec 2011, organized by Dept of Mathematics, IIT Roorkee, Roorkee and presented a paper entitled "Improved regression estimator under two phase sampling".

(1) International Congress of Mathematicians satellite International conference on Probability and Statistics from 1-3 Sep 2010, organized by Dept of Statistics and Dept of Mathematics, Sambalpur University, Orissa and presented a Paper entitled "Estimation of Geometric mean using auxiliary information under double Sampling scheme".

17. Other Academic and Administrative Assignments:

- Coordinator nodal centre, main exam, Dr RML Avadh University, Faizabad.
- Warden of Acharya Narendra Dev boy's hostel, Dr. RML Avadh University, Faizabad.
- Centre superintendent of Examination, Dr. RML Avadh University, Faizabad.
- Deputy Coordinator of exams evaluation of the Dr. RML Avadh University, Faizabad.
- Assistant Proctor, Dr. RML Avadh University, Faizabad.
- Assistant Dean Student Welfare, Dr. RML Avadh University, Faizabad.
- Member Board of Studies, Dr. RML Avadh University, Faizabad.
- University observer in B.Ed. entrance examination.
- University observer in CPMT entrance examination.
- Assistant Coordinator of examinations, Dr. RML Avadh University, Faizabad.

- Observer, Medical and Dental exams, Dr. RML Avadh University, Faizabad.
- Team Manager, Inter-Universities youth festival organized by Mahatma Gandhi Kashi Vidyapeeth, Varanasi.

18. Research Papers Published:

(a) Foreign Publications:

(42) **S.K. Yadav,** S. Misra, S. S. Mishra and S. P. Khanal **(2017).** Variance Estimator Using Tri-mean and Inter Quartile Range of Auxiliary Variable, *Nepalese Journal of Statistics,* 1, 83-91.

(41) **S.K. Yadav**, S.S. Mishra, S. Kumar and C. Kadilar **(2017)**. New efficient class of estimators for the population variance, *Journal of Statistics and Management Systems.* (Accepted)

(40) **S.K. Yadav**, D.K. Sharma, S.S. Mishra and A.K. Shukla **(2017)**. Use of auxiliary variables in searching efficient estimator of population mean, International journal of Multivariate Data Analysis. (Accepted)

(39) **S.K. Yadav**, S.S. Mishra and Sat Gupta **(2017)**. Improved variance estimation utilizing correlation coefficient and quartiles of an auxiliary variable, *Journal of Statistics and Management System.* (Accepted)

(38) S.S. Mishra, D.K. Sharma, **S.K. Yadav** and S. Rawat **(2017).** Computational approach to fuzzified profit optimisation of inventory flow in supply chain with deteriorating items, *International Journal Operational Research,* 30, 1, 83-98.

(37) T. Zatezalo, S. Gupta, **S. K. Yadav** and J. Shabbir **(2017).** Assessing the Adequacy of First Order Approximations in Ratio Type Estimators, *Journal of Interdisciplinary Mathematics.* (Accepted).

(36) P.P. Mishra, S.S. Mishra, **S. K. Yadav**, R. S. Singh and R. Kumar **(2017)**. Quantification of Node Wise Commodity in Supply Chain and Its Cost Analysis, *American Journal of Operations Research*, 7, 64-82.

(35) Gupta, R.K. and **Yadav, S.K. (2017**). New Efficient Estimators of Population Mean Using Non-Traditional Measures of Dispersion, *Open Journal of Statistics,* 7, 394-404.

(34) **S. K. Yadav,** S. S. Mishra, A .K. Shukla, S. Kumar, R. S. Singh **(2016).** Use of Non-Conventional Measures of Dispersion for Improved Estimation of Population Mean, *American Journal of Operational Research,* 6, 3, 69-75.

(33) **S. K. Yadav,** Sat Gupta, S. S. Mishra and A. K. Shukla **(2016).** Modified Ratio and Product Estimators for Estimating Population Mean in Two-Phase Sampling, *American Journal of Operational Research,* 6, 3, 61-68.

(32) **S.K. Yadav,** S.S. Mishra, S. Kumar and C. Kadilar **(2016).** A new improved class of estimators for the population variance, *Journal of Statistics Applications and Probability,* 5, 3, 385-392.

(31) S.S. Mishra, D.K. Sharma, **S.K. Yadav** and S. Rawat **(2016).** Computational approach to fuzzified profit optimization of inventory flow in supply chain with deteriorating items.

International Journal of Operational Research, 12, 1, 271-276.

(30) **S.K. Yadav,** J. Subramani, S.S. Mishra and A .K. Shukla **(2016).** Improved Ratio-Cum-Product Estimators of Population Mean Using Known Population Parameters of Auxiliary Variables, *American Journal of Operational Research,* 6, 2, 48-54.

(29) **S.K. Yadav,** S.S. Mishra and A .K. Shukla **(2016).** Use of Correlation Coefficient and Quartiles of Auxiliary Variable for Improved Estimation of Population Variance, *American Journal of Operational Research,* 6, 2, 33-39.

(28) **S.K. Yadav,** S.S. Mishra and A .K. Shukla **(2016).** Use of Correlation Coefficient And Quartiles of Auxiliary Variable for Improved Estimation of Population Variance, *American Journal of Operational Research,* 6, 1, 32-38.

(27) **S.K. Yadav,** S. Misra and S.S. Mishra **(2016).** Efficient Estimator for Population Variance Using Auxiliary Variable, *American Journal of Operational Research,* 6, 1, 9-15.

(26) **S.K. Yadav,** S. Misra, R. Kumar, S. Verma, and S. Kumar **(2016).** An Efficient dual to ratio and product estimator of population variance in sample surveys, *Journal of Mathematics and Statistical Science,* 2, 3, 178-188.

(25) **S.K. Yadav,** S. Misra, S.S. Mishra and N. Chutiman **(2016).** Improved ratio estimators of population mean in Adaptive Cluster Sampling, *Journal of Statistics Applications and Probability Letter*, 3, 1, 1-6.

(24) **S.K. Yadav**, C. Kadilar, J. Shabbir and S. Gupta **(2015)**. Improved Family of Estimators of Population Variance in Simple Random Sampling, *Journal of Statistical Theory and Practice*, 9, 2, 219-226. **(Tailor & Francis)**

(23) **S.K. Yadav** and S.S. Mishra **(2015)**. Developing Improved Predictive Estimator for Finite Population Mean Using Auxiliary Information, *Statistika*, 95, 1, 76-85.

(22) S.S. Mishra, S. Gupta, **S.K. Yadav** and S. Rawat **(2015).** Optimization of Fuzzified Economic Order Quantity Model Allowing Shortage and Deterioration with Full Backlogging, *American Journal of Operational Research*, 5, 5, 103-110.

(21) **S.K. Yadav** and S.S. Mishra and A.K. Shukla **(2015)**. Estimation Approach to Ratio of Two Inventory Population Means in Stratified Random Sampling, *American Journal of Opera tional Research*, 5, 4, 96-101.

(20) A.K. Shukla, S. Misra, S.S. Mishra and **S.K. Yadav (2015).** Optimal Search of Developed Class of Modified Ratio Estimators for Estimation of Population Variance, *American Journal of Opera tional Research*, 5, 4, 82-95.

(19) **S.K. Yadav,** S. Misra, S.S. Mishra and A.K. Shukla **(2015).** Searching Efficient Estimator of Population Mean in Stratified Random Sampling, *American Journal of Operational Research*, 5, 4, 75-81.

(18) **S.K. Yadav**, S.S. Mishra, C. Kadilar and A.K. Shukla **(2015)**. Improved Dual to Ratio Cum Dual to Product Estimator in the Stratified Random Sampling, *American Journal of Operational*

Research, 5, 3, 57-63.

(17) A.K. Shukla, **S.K. Yadav** and V. Tiwari **(2015)**. Improved Variance Function in Cluster Sampling, *International Journal of Computational and Theoretical Statistics,* 2, 1, 25-30.

(16) **S.K. Yadav**, S.S. Mishra and A.K. Shukla **(2015)**. Developing Efficient Ratio and Product Type Exponential Estimators of Population Mean under Two Phase Sampling for Strati fication, *American Journal of Operational Research*, 5, 2, 21-28.

(15) **S.K. Yadav**, S.S. Mishra, A.K. Shukla and V. Tiwari **(2015)**. Improvement of Estimator for Population Variance using Correlation Coefficient and Quartiles of The Auxiliary Variable, *Journal of Statistics Applications and Probability*, 4, 2, 259-263.

(14) S.S. Mishra, **S.K. Yadav** and S. Rawat **(2015)**. Inventory Flow in Supply Chain with Deteriorating Items for Customers in Queue: Computation of Profit Optimization in Fuzzy Environment, *American Journal of Operational Research*, 5, 1, 1-8.

(13) A.K. Shukla, **S.K. Yadav** and V. Tiwari **(2015)**. Linear Models for S-Shaped Growth Curves, *Journal of Statistics Applications and Probability*, 4, 1, 1-5.

(12) **S.K.Yadav** and C. Kadilar **(2014)**: A two parameter variance estimator using auxiliary information, *Applied Mathematics and Computation*, 226, 117–122. **(Elsevier)**

(11) **S.K. Yadav**, S.S. Mishra and S. Kumar **(2014)**. Optimal Search for Efficient Estimator of Finite Population Mean Using Auxiliary Information, *American Journal of Operational Research*, 4, 2, 28-34.

(10) **S.K. Yadav** and A.K. Shukla **(2014)**. Improved Product cum Dual to Product Estimator of Population Mean in Stratified Random Sampling, *Journal of Statistics Applications and Probability*, 3, 3, 1-6.

(9) **S.K. Yadav**, S.S. Mishra and A.K. Shukla **(2014)**. Improved Ratio Estimators for Population Mean Based on Median Using Linear Combination of Population Mean and Median of an Auxiliary Variable. *American Journal of Operational Research,* 4, 2, 21-27.

(8) **S.K.Yadav** and C. Kadilar **(2013)**: Improved Class of Ratio and Product Estimators, *Applied Mathematics and Computation*, 219, 10726-10731. **(Elsevier)**

(7) **S.K.Yadav** and C. Kadilar **(2013)**: Efficient family of exponential estimator for population mean, *Hacettepe journal of Mathematics and Statistics*, Volume 42, 6, 671 - 677.

(6) **S.K.Yadav** and C. Kadilar **(2013)**: Improved Exponential Type Ratio Estimator of Population Variance, *Colombian Journal of Statistics*, 36, 1, 145-152.

(5) A. K. Shukla, **S. K. Yadav** and G. C. Misra **(2013)**: A Linear Model for Uniformity Trial Experiments, *Statistics in Transition-new series*, 14, 1, 161-170.

(4) **S.K.Yadav** and A.A. Adewara **(2013)**: On Improved Estimation of Population Mean using Qualitative Auxiliary Information, *Mathematical Theory and Modeling*, 3, 11, 42-50.

(3) **S. K. Yadav**, S. S. Mishra and A. K. Shukla **(2012)**: A generalized class of regression type estimators in two phase sampling, *Econophysics Sociophysics and Other Multidisciplinary*

Science Journal, 2, 1, 15-19.

(2) **S. K. Yadav (2012)**: Improved exponential ratio cum dual to ratio type estimator of population mean, *Econophysics Sociophysics and Other Multidisciplinary Science Journal*, 2, 1, 58-60.

(1) G.C. Misra, **S.K. Yadav** and A.K. Shukla **(2011)**: A class of regression type estimators in survey sampling, *Statistics in Transition-new series*, 12, 3, 579-586.

(b) Local Publications:

(40) **S.K. Yadav** and Surendra Kumar **(2017).** New Class of Estimators of Population Mean Using Known Median of the Study Variable, *Elixir Statistics,* 109C, 47882-47888.

(39) **S.K. Yadav** and Surendra Kumar **(2017).** New estimation strategy of population mean using known median of the study variable, International Journal of Mathematical Archive, 8, 6, 2017, 181-188.

(38) Sheela Misra, Badal Kumar, **S.K. Yadav,** D.K. Yadav and A.K.Shukla **(2017).** An improved Ratio type predictive estimator for estimating Finite population mean using auxiliary information, *International Journal of Engineering Sciences & Research Technology,* 6, 6, 524-530.

(37) D. K. Yadav, R. Kumar, Sheela Misra, **S.K. Yadav (2017).** Estimating Population Mean Using Known Median of the Study Variable, *International Journal of Engineering Sciences & Research Technology,* 6, 7, 15-22.

(36) D. K. Yadav, R. Kumar, Sheela Misra, **S.K. Yadav (2017).** An Improved Estimator of Population Mean using Information on Median of the Study Variable, *International Journal of Mathematics Trends and Technology,* 46, 2, 118-124.

(35) Shakti Kumar and **S.K. Yadav (2017).** A New Proposed Model of Public Expenditure, *Indian Journal of Finance,* 11, 8, 26-39.

(34) **Yadav, S.K.** and Pandey, H. **(2017)**. A Short Review of Estimation of Population Variance through Ratio Estimators, *Journal of Ramanujan Society of Mathematics and Mathematical Sciences,* 6, 1, 107-116.

(33) **S. K. Yadav**, Lakhan Singh, S. S. Mishra, P. P. Mishra and Surendra Kumar **(2017)**. A median based regression type estimator of the finite population mean, *International journal of Agricultural and Statistical Sciences,* 13, 1, 265-271.

(32) **S.K. Yadav**, Sheela Misra, S.S. Mishra, A.K. Shukla and N.K. Chaudhary **(2016).** Efficient estimation of population mean using non-conventional Measures of dispersion of auxiliary variable, *International journal of Agricultural and Statistical Sciences,*12, 2, 547-553.

(31) **S.K. Yadav**, J. Subramani, S. Misra, L. Singh and S.S. Mishra **(2016).** Improved estimation of population mean in presence of non response using exponential estimator, *International journal of Agricultural and Statistical Sciences,*12, 1, 271-276.

(30) A.K Shukla and **S.K. Yadav (2016).** Asymptotic Non-Linear Models for Uniformity Trial

Experiments, *Elixir International Journal,* 94, 1, 40042-40044.

(29) **S.K. Yadav,** R. Kumar, S. Kumar, S. Verma, and S. Kumar **(2016).** Efficient estimator of population variance using coefficient of kurtosis and population mean of auxiliary variable, *International Journal of Mathematics And its Applications,* 3, 4, 85-91.

(28) **S.K. Yadav,** S.S. Mishra, L. Singh, A.K. Shukla and D. Tyagi **(2015).** Improved Ratio-cum-Product type exponential estimators of population mean under two phase sampling for stratifica tion, *International journal of Agricultural and Statistical Sciences,*11, 2, 507-512.

(27) **S.K. Yadav,** S.S. Mishra, L. Singh, A.K. Shukla and D. Tyagi **(2015).** Efficient ratio type estimator of two population means in Stratified random sampling, *International journal of Agricultural and Statistical Sciences,* 11, 1, 93-96.

(26) **S.K. Yadav,** S. Mishra, S. Kumar, A.K. Shukla and V. Tiwari **(2014).** Improved Ratio Type Estimator of Population Mean Under Two Phase Sampling, *Bulletin of Mathematics And Statistics Research*, 2, 4, 401-406.

(25) **S.K. Yadav,** S.S. Mishra, V. Tiwari and A.K. Shukla **(2014).** Computational Approach to Generalized Ratio Type Estimator of Population Mean Under Two Phase Sampling, *International Journal on Recent and Innovation Trends in Computing and Communication*, 2, 10, 3013-3017.

(24) **S.K. Yadav,** S. Misra, A.K. Shukla and V. Tiwari **(2014):** Use of coefficient of skewness and quartile deviation of auxiliary variable for improved estimation of population mean, *International Journal of Engineering Sciences & Research Technology*, 3, 1, 404-410.

(23) **S.K. Yadav,** S. Misra, A.K. Shukla and V. Tiwari **(2014):** Improved Estimation of Population Mean Using Median and Coefficient of Variation of Auxiliary Variable, *Int. Journal of Engineering Research and Applications,* 4, 1(3), 206-211.

(22) H. Pandey and **S.K. Yadav (2013)**: Generalized classes of unbiased sampling strategies, *Mathematical Forum*, 25, 37-56.

(21) **S.K. Yadav** and C. Kadilar **(2013)**: A Class of Ratio-Cum-Dual to Ratio Estimator of Population Variance, *Journal of Reliability and Statistical Studies*, Vol. 6, 1, 29-34.

(20) **S.K. Yadav** and H. Pandey **(2013)**: A Ratio-cum-Dual to ratio estimator of population Variance using qualitative auxiliary information under simple random sampling, *Mathematical Journal of Interdisciplinary Sciences*, Vol. 1, 2, 91–96.

(19) **S.K. Yadav** and A.A. Adewara **(2013)**: Efficient ratio estimator using jack-knife method of estimation, *Journal of Rajasthan Statistical Association*, 1, 2, 21-36.

(18) **S.K. Yadav** and A.A. Adewara **(2013)**: Improved ratio estimators of population mean using functions of quartiles, *Journal of Rajasthan Statistical Association*, 1, 2, 85-93.

(17) **S.K. Yadav** and Himanshu Pandey **(2012)**. Improved family of estimators for population variance using qualitative auxiliary information. *Assam Statistical Review*, 26, 2, 63-70.

(16) A.K. Shukla, **S.K. Yadav** and G.C. Misra **(2012)**: An Improved Asymptotic Regression

Model, *International Journal of Statistics and Analysis,* Vol. 2, 1, 1-6.

(15) **S.K. Yadav** and H. Pandey **(2012)**: Use of auxiliary information for improved estimation of population variance, *Investigations in Mathematical Sciences,* Vol. 2, 1, 149-156.

(14) A. K. Shukla, **S. K. Yadav** and G. C. Misra **(2011)**: A linear model for asymptotic growth curve, *Elixir international journal*, 41, 5991-5993.

(13) **S.K. Yadav**, L. Singh and S. Misra **(2011)**: Almost unbiased jackknifed ratio type estimator for population variance using qualitative auxiliary information, *International Journal of Agriculture Statistical Sciences*, Vol-7, 1, 225-232.

(12) **S.K. Yadav** and Himanshu Pandey **(2011):** Ratio type estimator of square of coefficient of variation using qualitative auxiliary information under double sampling scheme, *International Journal of Agricultural and Statistical Sciences*, Vol-7, 1, 233-242.

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