

## Research Papers Publications During Last Five Years

### Year: 2012

1. Saran, J. and Pandey, A. (2012). Recurrence relations for marginal and joint moment generating functions of dual generalized order statistics from power function distribution. Pak. J. Statist., 28(2), 231-238.
2. Saran, J. and Nain, K. (2012). Recurrence relations for single and product moments of generalized order statistics from doubly truncated p-th order exponential distribution. Journal of the Kerala Statistical Association, 23, 01-16.
3. Saran, J. and Nain, K. (2012). Recurrence relations for single and product moments of k-th record values from p-th order exponential distribution and a characterization. Jahangirnagar University Journal of Statistical Studies, 31, 35-41.
4. Saran, J. and Singh, S. (2012). On the expected values of order statistics and of the range from a discrete uniform distribution. ANU Journal of Physical Sciences, 4(1), 1-14.
5. Pushkarna, N., Saran, J. and Tiwari, R. (2012): Recurrence relations for higher moments of order statistics from doubly truncated exponential distribution. International Mathematical Forum, 7(4), 193-201.
6. Saran, J. and Nain, K. (2012). Relationships for moments of k-th record values from doubly truncated p-th order exponential and generalized Weibull distributions. ProbStat Forum, 05, 142-149.
7. Saran, J. and Pande, V. (2012). Recurrence relations for moments of progressively type-II right censored order statistics from half logistic distribution. Journal of Statistical Theory and Applications, 11(1), 87-96.
8. Aggarwal, M. L., Singh, P., Sarin, V., and Husain, B. (2012). Orthogonally blocked mixture component-amount designs via projections of F-squares, Journal of the Korean Statistical Society, 41, 49-60.
9. Aggarwal, M. L., Singh, P., Sarin, V., and Husain, B. (2012). Optimal orthogonal block designs for four mixture components in two blocks based on F-squares for Becker's models and K-model. Statistics, 47(5), 1003-1021.
10. Grover, G., Gadpayle, A.K., Sabharwal, A. (2012). Identifying patients with diabetic nephropathy based on serum creatinine in the presence of covariates in type-2 diabetes: A retrospective study. Biomed Res- India, 23 (4), 615-624.
11. Grover, G., and Sabharwal, A. (2012). A parametric approach to estimate survival time of diabetic nephropathy with left truncated and right censored data. International Journal of

Probability and Statistics, 1(1), 128-137.

12. Grover, G., Gadpayle, A.K. and Varshney, M.K. (2012). On the estimation of probability of death of AIDS patients in the presence of competing risks. *Aligarh Journal of Statistics*, 32, 69-83.
13. Chaturvedi, A. and Pathak, A. (2012). Estimation of the reliability function for exponentiated Weibull distribution. *Journal of Statistics and Applications*, 7(3-4), 113-120.
14. Khuman, Y.S.C., Pandey, R. and Rao, K. S. (2012). Micro-watershed level population based fuelwood consumption dynamics: Implications of seasonal vs. annual models for sustainable energy resource planning. *Renewable and Sustainable Energy Reviews* 16(8), 6142-6148.

### **Year: 2013**

1. Pushkarna, N., Saran, J. and Tiwari, R. (2013). Relationships for moments of order statistics from the doubly truncated Bass diffusion model. *Far East Journal of Theoretical Statistics*, 45(2), 165-176.
2. Pushkarna, N., Saran, J. and Tiwari, R. (2013). Bonferroni and Gini indices and recurrence relations for moments of progressive type-II right censored order statistics from Marshall-Olkin exponential distribution. *Journal of Statistical Theory and Applications*, 12(3), 306-320.
3. Saran, J. and Nain, K. (2013): On explicit expressions for single and product moments of generalized order statistics from a new class of exponential distributions and a characterization. *Journal of the Kerala Statistical Association*, 24, 37-52.
4. Pushkarna, N., Saran, J. and Tiwari, R. (2013). Recurrence relations for higher moments of order statistics from doubly truncated Burr distribution. *STATISTICA*, 73(2), 253-265.
5. Saran, J. and Kumari, T (2013): Recurrence relations for marginal and joint moment generating functions of upper k-record values from Gompertz distribution. *ProbStat Forum*, 06, 96-106.
6. Saran, J. and Nain, K. (2013). Combinatorial approach to M/M/1 queues using hypergeometric functions. *International Mathematical Forum*, 8(10), 463-472.

7. Singh, P., Thapliyal, P., and Budhraj, V. (2013). Construction of Trend Free Run Orders for Orthogonal Arrays using Linear Codes. *International Journal of Engineering and Innovative Technology*, 3(1), 69-73.
8. Grover, G., Sabharwal, A., and Mittal, J. (2013). An Application of Gamma Generalized Linear Model for Estimation of Survival Function of Diabetic Nephropathy Patients, *International Journal of Statistics in Medical Research (Canada)*, 2, 209-219.
9. Grover, G., Sabharwal, A., and Mittal, J. (2013). A Bayesian Approach for Estimating Onset Time of Nephropathy for Type 2 Diabetic Patients Under Various Health Conditions. *International Journal of Statistics and Probability(Canada)*, 2(2), 89-101.
10. Grover, G, Gadpayle, A.K., Swain, P.K., and Deka, B. (2013). A Multistate Markov Model Based on CD4 Cell Count for HIV/AIDS Patients on Antiretroviral Therapy (ART). *International Journal of Statistics in Medical Research (Canada)*, 2, 144-151.
11. Grover, G., Sreenivas, V., Khanna, S., and Seth, D. (2013). Multi state Markov model: An application to liver cirrhosis. *Statistics in Transition-new series,(Poland)*; 14(3), 429-442.
12. Grover, G., Ravi, V. and Varshney, M.K. (2013). On the estimation of Average HIV population using various Bayesian techniques, *Applied Mathematics (USA)*, 3(3), 98-106.
13. Grover, G. Gadpayle, A.K., Ravi, V. and Varshney, M.K. (2013). On the estimation of intensities, illness probabilities and expected duration of stay in various states of AIDS patients undergoing Antiretroviral Therapy. *Journal of Applied Probability and Statistics (USA)*, 8(2), 01-09.
14. Grover, G. and Deka, B. (2013). Modeling the Risk of Renal Impairment using Current Status Chronic Kidney Disease Data: A Simulation based Analysis. *Indian journal of Applied Research (India)*, 3(12), 538-541
15. Grover, G. and Deka, B. (2013). Spline-based Hazards Regression Model for Current Status Data: An Application to Simulated Data on Renal Impairment. *Indian journal of Applied Research(India)*, 3(12), 534-537
16. Grover, G., Sreenivas, V., Khanna, S. and Seth, D. (2013). Estimation of Survival of Liver Cirrhosis Patients, in the Presence of Prognostic Factors Using Accelerated Failure Time Model as an Alternative to Proportional Hazard Model. *International Journal of Statistics and Applications (USA)*, 3(4), 113-122.
17. Grover, G., Das, R., Swain, P.K. and Deka, B. (2013). On the Estimation of Survival of HIV/AIDS Patients on Antiretroviral Therapy Using NPMLE Method: An Application to

- Interval Censored Data. American Journal of Mathematics and Statistics (USA), 3(4), 213-219.
18. Grover, G. and Seth, D. (2013). Application of Frailty Models on Advance Liver Disease Using Gamma as Frailty Distribution. Journal of Statistics Research Letters (USA), 3(1), 42-50.
  19. Chaturvedi, A. and Ghosh, S. (2013). Estimating the reliability function for a family of inverse distributions. Journal of Probability and Statistical Science, 11(1), 59-78.
  20. Chaturvedi, A., Alam M.W. and Chauhan, K. (2013). Robustness of the sequential testing procedures for the parameters of zero-truncated negative binomial, binomial and Poisson distributions. Journal of the Indian Statistical Association, 51(2), 313-328.
  21. Chaturvedi, A. and Ghosh, S. (2013). Estimation of the reliability function for Gompertz distribution under type I and type II censoring. International Journal of Agricultural and Statistical Sciences, 9(1), 1-22.
  22. Pathak, A. and Chaturvedi, A. (2013). Bayesian estimation procedures for exponentiated family of lifetime distributions under squared error and entropy losses. International Journal of Mathematical Analysis.
  23. Tomer, S. and Kumar, A. (2013), "The Exponentiated Lomax Distribution with Application to Bladder Cancer Susceptibility", International Journal of Essential Sciences, 7(2), 15-23.
  24. Abhishek Kumar Umrawl (2013) An Application of Logistic Regression to study Women Empowerment and Sex Discrimination, Published in the proceedings of International Conference on Empowerment of Women in Developing World organized by WDC, Shivaji College, University of Delhi in collaboration with Women's Studies and Development Centre, University of Delhi and NIDM, Ministry of Home Affairs, Govt. of India held on Apr 1 – Apr 2, 2013.

### **Year: 2014**

1. Athar, H., Akhter, Z. and Saran, J. (2014). Moments of progressive type-II right censored order statistics from Lindley distribution. Statistics Research Letters, 3(1), 1-6.
2. Saran, J., Kumar, D., Pushkarna, N. and Tiwari, R. (2014). L-moments and TL-moments estimation and recurrence relations for moments of order statistics from exponentiated inverted Weibull distribution. Statistics Research Letters (SRL), 3, 63-71.

3. Saran, J. and Pushkarna, N. (2014). Moments of progressive type-II right censored order statistics from a general class of doubly truncated continuous distributions. *Journal of Statistical Theory and Applications*, 13(2), 162-174.
4. Saran, J., Pushkarna, N. and Tiwari, R. (2014). L-moments and TL-moments estimation and recurrence relations for higher moments of order statistics from Lindley distribution. *J. Kerala Statist. Association*, 25, 1-15.
5. Saran, J. and Nain, K. (2014). On exact moments of lower generalized order statistics from a class of exponential distributions and its characterization. *International Journal of Statistika and Matematika*, 9(3), 85-93.
6. Kumar, D. and Saran, J. (2014). Ratio and inverse moments of k-th record values from Marshall-Olkin log-logistic distribution. *Pacific Journal of Applied Mathematics*, 6(2), 11-21.
7. Singh, P., Thapliyal, P. and Budhraja, V. (2014). Construction of fractional factorial designs with some linear trend free effects through finite fields, *JCISS*, 39 (1), 57-76.
8. Singh, P., Budhraja, V. and Thapliyal, P. (2014). Trend free orthogonal arrays using some linear codes, *IJSER*, 5(7), 1512-1520.
9. Grover, G. and Ravi, V. (2014). On the estimation of expected survival time of AIDS patients undergoing Antiretroviral therapy using censored generalized Poisson regression model. *TurkiyeKlinikleri J Biostat (Turkey)*, 6(1), 24-32.
10. Grover, G., Swain, P.K. and Ravi, V. (2014). A competing risk approach with censoring to estimate the probability of death of HIV/AIDS patients on Antiretroviral Therapy in the Presence of Covariates. *Journal of Statistics Research Letters (USA)*, 3(1), 7-16.
11. Grover, G., Sabharwal, A., and Mittal, J. (2014). Application of Multivariate and Bivariate Normal Distributions to Estimate Duration of Diabetes. *International Journal of Statistics and Applications (USA)*, 4(1), 46-57.
12. Grover, G., Sabharwal, A., and Mittal, J. (2014). Estimation of Survival Function and Probability of Onset of Diabetic Nephropathy using Path Analysis and Analysis of Covariance, *International Refereed Journal of Engineering and Science (IRJES) (India)*, 3(4), 50-58.
13. Grover, G. and Seth, D. (2014). Application of frailty models on advance liver disease using gamma as frailty distribution. *Statistics Research Letters*, 3, 42-50.

14. Grover, G., Gadpayle, A.K., Varshney, M.K. and Ravi, V. (2014). A follow up study on survival trend of AIDS patients reported at ART centre in Delhi & variation according to age, sex, stages & mode of transmissions. *JK Science: Journal of Medical Education & Research*, 16(2), 76-82.
15. Chaturvedi, A. and Pathak, A. (2014). Estimating the reliability function for a family of exponentiated distributions. *Journal of Probability and Statistics*, 2014, 1-10.
16. Alam, M.W., Chaturvedi, A. and Kumar, A. (2014). Estimation of survival function under type II censoring using a generalized family approach. *International Journal of Agricultural and Statistical Sciences*, 10(1), 17-19.
17. Alam, W., Chaturvedi, A., Singh, K.N., Kumar, A., Paul, A.K., Paul, R.K. and Sinha, K. (2014). Maximum likelihood and uniformly minimum variance unbiased estimation of  $P(Y < X)$  for Gompertz distribution. *International Journal of Agricultural and Statistical Sciences*, 10(2), 267-274.
18. Sharma, V. and Chaturvedi, A. (2014). Bayesian life test planning for a family of inverse distributions: Some exact and approximate solutions. *International Journal of Agricultural and Statistical Sciences*, 10(2), 291-295.
19. Pathak, A. and Chaturvedi, A. (2014). Estimation of the reliability function for four parameter exponentiated generalized Lomax distribution. *International Journal of Scientific & Engineering Research*, 5(1), 1171-1180.
20. Chaturvedi, A., Tiwari, N. and Bhatnagar R.K. (2014). Generalized family of multistep utility functions for adoption in UNDP's human development index. *Arthshastra Indian Journal of Economics & Research*, 3(6), 7-19.
21. Pathak, A. and Chaturvedi, A. (2014). Estimation of the reliability function for two-parameter exponentiated Rayleigh or Burr type X distribution. *Statistics, Optimization and Information Computing*, 2, 305-322.
22. Pandey R. (2014). Shrinkage estimation of reliability function for some lifetime distribution. *American Journal of Computational and Applied Mathematics*, 4(3): 92-96.
23. Tomer, S. and Kumar, A. (2014), "Traditional Moments and L-Moments Estimation for the Transmuted Exponentiated Lomax Distribution", *AnusandhanAnveshika*, 4, 121-130.
24. K. Kumar and R. Garg (2014) "Estimation of the parameters of randomly censored generalized inverted Rayleigh distribution", *International Journal of Agricultural and Statistical Sciences*, 10(1), 147-155.

## Year:2015

1. Saran, J., Pushkarna, N. and Tiwari, R. (2015). Moment properties of generalized order statistics from Lindley distribution. *Journal of Statistics Applications & Probability*, 4(3), 429-434.
2. Pushkarna, N., Saran, J. and Tiwari, R. (2015). L-moments and TL-moments estimation and relationships for moments of progressive type-II right censored order statistics from Frechet distribution. *ProbStat Forum*, 08, 112-122.
3. Saran, J., Pushkarna, N. and Tiwari, R. (2015) : Recurrence relations for single and product moments of dual generalized order statistics from a general class of distributions. *Journal of Statistical Theory and Applications*, 14(2), 123-130.
4. Saran, J. and Nain, K. (2015). Recurrence relations for moment generating functions of generalized order statistics from some specific continuous distributions. *J. Kerala Statist. Assoc.*, 26, 01-23.
5. Jha, M.K., Singh, P. and Priyadarshini, G. (2015). Cross-over Designs for Factorial Experiments. *International Journal of Agricultural and Statistical Sciences*, 11 (2), 349-355.
6. Singh, P., Jha, M.K. and Priyadarshini, G. (2015). Constructions of Partially Balanced Crossover Designs Based on Two and Higher Order Association Schemes. *Journal of Statistical Theory and Practice*, 9 (4), 778-796.
7. Grover, G., Ravi, V. and Swain, P.K. (2015). On the assessment of various factors effecting the improvement in CD4 count of aids patients undergoing antiretroviral therapy using generalized Poisson regression. *Journal of applied statistics*, 42(6), 1291-1305.
8. Grover, G. and Gupta, V.K. (2015). Multiple imputation of censored survival data in the presence of missing covariates using restricted mean survival time. *Journal of Applied Statistics*, 42(4), 817-827.
9. Mondal, S.K., Das, R.N., Kundu, S., Kim, J., Gurprit, G. and Ansari, S.A. (2015). Mean variance relationships of Genome size and GC content. *Annual research & review in Biology*, 7(4), 206-221.
10. Grover, G., Swain, P.K., Deo, V. and Varshney, M.K. (2015). A joint modeling approach to assess the impact of CD4 cell count on the risk of loss to follow up in HIV/AIDS

patients on Antiretroviral therapy. *International journal of statistics and applications*, 5(3), 99-108.

11. Grover, G., Sabharwal, A. and Kaushik, S. (2015). Estimating length of stay and duration of illness for Psychiatric using multivariate modelling. *American journal of mathematics and statistics*, 5(6), 329-353.
12. Chaturvedi, A, Kang, S.B, and Pathak, A. (2015). Estimation and testing procedures for the reliability functions of generalized half logistic distribution. *Journal of the Korean Statistical Society*, 45, 2134-328, ISSSN: 1226-3192.
13. Chaturvedi A and Kumari T (2015). Estimation and testing procedures for the reliability functions of a family of lifetime distributions. [interstat.statjournals.net/YEAR/2015/abstracts/1306001.php](http://interstat.statjournals.net/YEAR/2015/abstracts/1306001.php).
14. Chaturvedi, A. and Pathak, A. (2015). Bayesian estimation procedures for three-parameter exponentiated-Weibull distribution under squared-error loss function and type II censoring. *World Engineering and Applied Sciences Journal*, 6 (1), 45-58.
15. Pandey, R., Thakur, N.S. and Yadav, K. (2015). Separate Regression Type Imputation Methods to Estimate Population Mean. *International Journal of Computer and Mathematical Sciences*, 4, 198-207.
16. Pandey, R. and Yadav, N. (2015). Fertility Decline: A Statistical Demographic Review of Parsi Community. *Bulletin of Mathematical And Statistical Research*, 3(4), 104-122.
17. Pandey, R., Thakur, N.S. and Yadav, K. (2015). Estimation of Population Mean using Exponential Ratio Type Imputation Method under Survey Non-response. *Journal of Indian Statistical Society*, 53(2), 89-107.
18. Khuman, S., Raina, N., Pandey, R. and Rao, K.S. (2015). Fuelwood assessment at the micro-watershed level: a case study in Garhwal Himalaya, India. *Chinese Journal of Population Resources and Environment*, 177-186.
19. Pandey, R. (2015). Posterior Analysis of State Space Model with Spherical Symmetricity. *Journal of Probability and Statistics*, 2015, 1-7.
20. Pandey, R. and Kaur, C. (2015). Modelling fertility: an application of count regression models. *Chinese Journal of Population Resources and Environment*, 2015, 349-357.



21. Pandey, R., Thakur, N.S. and Yadav, K. (2015). Combined Exponential Type Estimators of Population Mean in Stratified Random Sampling. Proceedings of International conference on Recent Advances in Mathematics, Statistics and Computer Science, World Scientific. 2015.
22. Kumar, K., Krishna, H. and Garg, R. (2015). Estimation of  $P(Y < X)$  in Lindley distribution using progressively first failure censoring. International Journal of System Assurance Engineering and Management, 6(3), 330-341.
23. Krishna H., Vivekanand and Kumar, K. (2015). Estimation in Maxwell distribution with randomly censored data. Journal of Statistical Computation and Simulation. 85(17), 3560-3578.

### **Year: 2016**

1. Saran, J. and Nain, K. (2016). Recurrence relations for marginal and joint moment generating functions of generalized order statistics from a new class of Pareto distributions. To appear in Journal of Statistical Theory and Applications, 15.
2. Saran, J., Pushkarna, N. and Tiwari, R. (2016). Relationships for moments of generalized order statistics from a general class of distributions. ProbStat Forum, 09, 80-87.
3. Jha, M.K., Singh, P. and Priyadarshini, G. (2016). Cross-over Designs for a model with self and mixed carryover effects. ProbStat Forum, 9, 35-43.
4. Singh, P., Thapliyal, P and Budhraja, V. (2016). A Technique to Construct Linear Trend Free Fractional Design using some linear codes. International Journal of Statistics and Mathematics, 3(1), 73-81.
5. Singh, P., Thapliyal, P. and Budhraja, V. (2016). Construction of Linear Trend Free Fractional Factorial Designs using Linear Codes. International Journal of Agricultural and Statistical Sciences, 12(1), 13-19.
6. Singh, P., Jha, M.K. and Priyadarshini, G. (2016). Nested Crossover Designs. Model Assisted Statistics and Application, 11, 247–259.
7. Singh, P., Jha, M.K. and Priyadarshini, G. (2016). Partially Balanced Cross-Over Designs for Consumer trials. Sri Lankan Journal of Applied Statistics, 17(2), 71-85.

8. Swain, P. K., Grover, G., and Goel, K. (2016). Mixture and Non-Mixture Cure fraction Models based on Generalized Gompertz Distribution under Bayesian approach. *Tatra Mountains Mathematical Publications*, Slovakia, 66, 121-135.
9. Gupta, V. K., Grover, G., and Arora, M. (2016). Trend in BMI z-score among Private Schools' Students in Delhi using Multiple Imputation for Growth Curve Model. *Epidemiology, Biostatistics and Public Health*, 13(2), e11836(1-8).
10. Grover, G., Gupta, V. K., and Kumar, P. (2016). Estimation of Sub-distribution Hazard ratio of HIV/AIDS Patients for Interval Censored Data with Loss to follow up as a Competing Risk. *J. Commun. Dis*, 48(3), 22-28.
11. Swain, P. and Grover, G. (2016). Determination of Predictors Associated with HIV/AIDS Patients on ART Using Accelerated Failure Time Model for Interval Censored Survival Data. *American Journal of Biostatistics (USA)*, 61, 12-19.
12. Grover, G. and Swain, P.K. (2016). Accelerated failure time shared frailty models: Application to HIV/AIDS patients on anti retroviral therapy in Delhi. *TurkiyeKlinikleri Journal of Biostatistics*. 8(1) pp. 13:20
13. Chaturvedi, A. and Pandey, R. (2016). Bayesian inference for stat space model with panel data. *Statistics in Transition New Series*, 1-7.
14. Chaturvedi, A and Nandchahal, S. (2016). Shrinkage estimators of the reliability characteristics of a family of lifetime distributions. *Statistica*, LXXVI (1), 1-26.
15. Pandey, R., Yadav, K. and N. S. Thakur (2016). Adapted Factor-Type Imputation Strategies. *Journal of Scientific Research*, 8(3), 321-339.
16. Pandey, R., Yadav, K. (2016). An Alternative Class of Exponential Ratio-Product Type Mean Imputation Using Auxiliary Information. *Journal of Applied Probability and Statistics*, 11(2), 125-141.
17. Pandey, R. and Yadav, K. (2016). Mean estimation under Imputation based on Two-hase Sampling Design using an Auxiliary Variable. *Pakistan Journal of Statistics and Operation Research*, 12(4), 639-658.
18. Pandey, R and Kumari, N. (2016). A New Life Time Distribution for Modeling Monotonic Decreasing Survival Patterns. *Journal of Reliability and Statistical Studies*, 9(2), 53-70.

### **Year:2017**

1. Swain, P. K., Grover, G., Chakravorty, S., Goel, K., & Singh, V. (2017). Estimation of Number of Involved Lymph Nodes in Breast Cancer Patients using Bayesian Regression Approach. *J. Stat. Appl. Pro. Lett. USA*, 4(1), 17-25.
2. Grover, G., Goel, K. and Seth, D. (2017). Application of Univariate Frailty Models in Modeling Survival Data with a Cured Fraction. *Journal of Applied Quantitative Methods, Italy*, 11(4).
3. Chaturvedi, A. and Vyas, S. (2017). Estimation and testing procedures for the reliability functions of exponentiated distributions under censorings. *Statistica*, 77 (1), 13-31.
4. Chaturvedi, A. and Malhotra, A. (2017). Inference on the parameters and reliability characteristics of three parameter Burr distribution based on records. *Applied Mathematics and Information Science*, 11(3), 1-13.
5. Chaturvedi, A. and Kumari, T. (2017). Robust Bayesian analysis of generalized half logistic distribution. *Statistics, Optimization and Information Computing*, 5, 158-178.
6. Chaturvedi, A. and Nandchahal, S. (2017). Shrinkage estimators of the reliability characteristics of generalized half logistic distribution. *International Journal of Linguistics and Computational Applications*, 1, 29-36.
7. Chaturvedi, A. and Kumari, T. (2017). Estimation and Testing Procedures for the Reliability Functions of a General Class of Distributions. *Communications in Statistics-Theory and Methods*, Vol. 46, No. 22, 11370-11382. ISSN: 0361-926.
8. Chaturvedi, A. and Kumari, T. (2017). Estimation and comparison of the stress-strength models with more than two states under Weibull distribution and type II censoring scheme. *Communications in Statistics-Theory and Methods*. <https://doi.org/10.1080/03610926.2017.1414264> ISSN: 0361-926.
9. Chaturvedi, A. and Malhotra, A. (2017). On the construction of preliminary test estimators of the reliability characteristics for the exponential distribution based on records. *American Journal of Mathematical and Management Sciences*. DOI:10.1080/01966324.2017.1392269.
10. Pandey, R. and Kaur, C. (2017). Spatial Analysis of Factors Influencing Birth Patterns in the States of India. *Journal of Scientific Research*, 9(1), 43-56.

11. Thapliyal, P. Budhraj, V. (2017). Restricted Randomised Two-Level Fractional Factorial Designs using Gray Code. IJCMS, JULY 2017.

### **Year:2018**

1. Saran, J. Nain, K. and Bhattacharya, A. P. (2018). Recurrence relations for single and product moments of progressive type-II right censored order statistics from left truncated logistic distribution with application to inference. International Journal of Mathematics and Statistics.19(1), 113-136.
2. Mukhopadhyay, N., Chaturvedi, A. and Malhotra, A. (2018): Two-stage procedures for the bounded risk point estimation of the parameter and hazard rate in two families of distributions. Journal of Sequential Analysis, 37 (1), 69-89.
3. Chaturvedi, A., Belaghi, A.R. and Malhotra, A. (2018). Preliminary test estimators of the reliability characteristics for the three parameters Burr XII distribution based on records. International Journal of System Assurance Engineering and Management. <https://doi.org/10.1007/s13198-018-0710-4>.
4. Chaturvedi, A. and Kumari, T. (2018): Robust Bayesian analysis of generalized inverted family of distributions. Communications in Statistics-Simulation and Computation (Taylor & Francis). <https://doi.org/10.1080/03610918.2018.1438619>
5. Pandey, R. and Kumari, N. (2018): Estimation for ISB p-dim Rayleigh distribution under progressive type-II censored data using different loss functions. International Journal of Engineering, Science and Mathematics. 7(1), 467-477.
6. Pandey, R. and Kumari, N. (2018). Bayesian Estimation for ISB p-dim Rayleigh distribution under progressive type-II censored data using Lindley's Approximation. World Wide Journal of Multidisciplinary. 4(1), 207-211.
7. Kumari, T., Vachher, M., Bansal, S., Bamezai, R. N.K., and Kumar, B. (2018). Meta-Analysis of Mitochondrial T16189C for Cancer and Type 2 Diabetes risk. Clinica Chimica Acta. <https://doi.org/10.1016/j.cca.2018.03.041>.