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### **(a) Research Papers in Impact Factor Journals**

1. Abid, M., Sherwani, R.A.K., **Tahir, M.**, Nazir, Z.A. and Riaz, M. (2021). An improved and robust class of variance estimators. *Scientia Iranica-E (Industrial Engineering)* **28**(6): 3589-3601. **(IF-1.435)**
2. **Tahir, M.**, Almanjahie, I. M., Abid, M. and Ahmad, I. (2021). On estimation of three-component mixture of distributions via Bayesian and classical approaches. *Mathematical Problems in Engineering* **2021**: 1-19. Article ID 9944008. <https://doi.org/10.1155/2021/9944008> **(IF-1.305)**
3. Abid, M., Nazir, Z.A., **Tahir, M.**, Riaz, M. and Tahir, A. (2020). A comparative analysis of robust dispersion control charts with application related to health care data. *Journal of Testing and Evaluation* **48**(1): 247-259. **(IF-0.711)**
4. **Tahir, M.**, Abid, M., Aslam, M. and Ali, S. (2019). Bayesian estimation of the mixture of Burr Type-XII distributions using doubly censored data. *Journal of King Saud University-Science* **31**(4): 1137-1150. **(IF-2.835)**
5. Abid, M., Ahmad, S., **Tahir, M.**, Nazir, Z.A. and Riaz, M. (2019). Improved ratio estimators of variance based on robust measures. *Scientia Iranica-E (Industrial Engineering)*. *Scientia Iranica-E (Industrial Engineering)* **26**(4): 2484-2494. **(IF-0.760)**
6. **Tahir, M.**, Aslam, M., Hussain, Z., Abid, M. and Bhatti, S. H. (2019). Bayesian analysis of heterogeneous doubly censored lifetime data using the 3-component mixture of Rayleigh distributions: A Monte Carlo simulation study. *Scientia Iranica-E (Industrial Engineering)* **26**(3): 1789-1808. **(IF-0.760)**
7. Abid, M., Naeem, A, Hussain, Z, Riaz, M and **Tahir, M.** (2019). Investigating the impact of simple and mixture priors on estimating sensitive proportion through a general class of randomized response models. *Scientia Iranica-E (Industrial Engineering)* **26**(2): 1009-1022. **(IF-0.760)**
8. Bhatti, S. H., Hussain, S., Ahmad, T., Aftab, M., Raza, M. A., and **Tahir, M.** (2019). Efficient estimation of Pareto model using modified maximum likelihood estimators. *Scientia Iranica-E (Industrial Engineering)* **26**(1): 605-614. **(IF-0.760)**
9. Abid, M., Nazir, H. Z., Riaz, M., Lin, Z. and **Tahir, M.** (2018). Improved ratio estimators using some robust measures. *Hacettepe Journal of Mathematics and Statistics* **47**(5): 1375-1393. **(IF-0.558)**

10. Abbas, N., Abid, M., **Tahir, M.**, Abbas, N. and Hussain, Z. (2018). Enhancing ratio estimators for estimating population mean using maximum value of auxiliary variable. *Journal of the National Science Foundation of Sri Lanka* **46**(3): 453-463. (IF-0.305)
11. Aslam, M., **Tahir, M.** and Hussain, Z. (2018). Reliability analysis of 3-component mixture of distributions. *Scientia Iranica-E (Industrial Engineering)* **25**(3): 1768-1781. (IF-0.475)
12. Abid, M., Nazir, H. Z., **Tahir, M.** and Riaz, M. (2018). On designing a new cumulative sum Wilcoxon signed rank chart for monitoring process location. *PLOS ONE* **13**(4):1-18. April 17, 2018. DOI: 10.1371/journal.pone.0195762. (IF-2.766)
13. **Tahir, M.**, Aslam, M. and Hussain, Z. (2018). On the 3-component mixture of Exponential, Rayleigh and Burr Type-XII distributions: a simulation study in Bayesian framework. *Chiang Mai Journal of Science* **45**(2): 1161-1180. (IF-0.409)
14. Hussain, S., Bhatti, S. H., Ahmad, T., Aftab, M., and **Tahir, M.** (2018). Parameter estimation of Pareto distribution: some modified moment estimators. *Maejo International Journal of Science and Technology* **12**(1): 11-27. (IF-0.469)
15. **Tahir, M.**, Aslam, M. and Hussain, Z. (2016). Bayesian estimation of finite 3-component mixture of Burr Type-XII distributions assuming type-I right censoring scheme. *Alexandria Engineering Journal* **55**(4): 3277–3295. (IF-2.46)
16. Khan, A. A., Aslam, M., Hussain, Z. and **Tahir, M.** (2016). Comparison of loss functions for estimating the scale parameter of Log-Normal distribution using non-Informative priors. *Hacettepe Journal of Mathematics and Statistics* **45**(6): 1831-1845. (IF-0.277)
17. **Tahir, M.**, Aslam, M. and Hussain, Z. (2016). Estimation of parameters of the 3-component mixture of Pareto distributions using type-I right censoring under Bayesian paradigm. *Journal of the National Science Foundation of Sri Lanka* **44**(3): 329-345. (IF-0.277)
18. **Tahir, M.**, Aslam, M. and Hussain, Z. (2016). Bayesian analysis of type-I right censored data using the 3-component mixture of Burr distributions. *Scientia Iranica-E (Industrial Engineering)* **23**(5): 2374-2390. (IF-0.679)
19. **Tahir, M.**, Aslam, M. and Hussain, Z. (2016). On the Bayesian analysis of 3-component mixture of Exponential distribution under different loss functions. *Hacettepe Journal of Mathematics and Statistics* **45**(2): 609-628. (IF-0.277)
20. **Tahir, M.** and Aslam, M. (2015). Bayesian analysis of the 3-component mixture of Exponential distribution assuming the non-Informative priors. *Revista Colombiana de Estadística* **38**(2): 431-452. (IF-0.179)
21. Aslam, M., **Tahir, M.**, Hussain, Z. and Al-Zahrani, B. (2015). A 3-component mixture of Rayleigh distributions: properties and estimation in Bayesian framework. *PLOS ONE* **10**(5): 1-14. May 20, 2015. DOI:10.1371/journal.pone.0126183. (IF-3.234)
22. Aslam, M. and **Tahir, M.** (2010). Bayesian and classical analysis of time-to-failure model with comparison of uninformative priors. *Pakistan Journal of Statistics* **26**(2): 407-415. (IF-0.156)

**(b) Research Papers in ISI Master List and HEC Recognized Journals**

23. **Tahir, M.**, Ahsanullah, M., Mohsin, S. and Abid, M. (2021). On finite 3-component mixture of Rayleigh distributions: A classical look. *Journal of Statistical Theory and Applications* **20**(2): 204-218. **(ISI Master List)**
24. **Tahir, M.**, Aslam, M., Abid, M., Ali, S. and Ahsanullah, M. (2020). A 3-component mixture of exponential distribution assuming doubly censored data: properties and Bayesian estimation. *Journal of Statistical Theory and Applications* **19**(2): 197-211. **(ISI Master List)**
25. **Tahir, M.**, Aslam, M., Hussain, Z. and Abbas, N. (2017). On the finite mixture of Exponential, Rayleigh and Burr type-XII distributions: estimation of parameters in Bayesian framework. *Electronic Journal of Applied Statistical Analysis* **10**(1): 271-293. **(ISI Master List)**
26. **Tahir, M.**, Aslam, M. and Hussain, Z. (2017). Bayesian analysis of a 3-component mixture of Rayleigh distribution under type-I right censoring scheme. *Journal of Statistical Theory and Applications* **16**(1): 117-136. **(ISI Master List)**
27. **Tahir, M.**, Aslam, M., Hussain, Z. and Khan, A. A. (2016). On finite 3-component mixture of Exponential distributions: properties and estimation. *Cogent Mathematics* **3**(1): 1-23. **(ISI Master List)**
28. Akbar, A. A., Aslam, M., Hussain Z., Khalil, A. and **Tahir M.** (2016). On the posterior distribution of location parameter of log normal distribution. *Pakistan Journal of statistics* **32**(6): 497-515. **(HEC Recognized, X Category)**
29. **Tahir, M.** and Saleem, M. (2011). A comparison of priors for the parameter of the time-to-failure model. *Pakistan Journal of Science* **63**(1): 49-52. **(HEC Recognized, X Category)**
30. **Tahir, M.**, Saleem, M. and Aslam, M. (2011). Comparison of informative and non-informative priors for the number of defects model. *Journal of Statistical Theory and Applications* **10**(1): 11-22. **(ISI Master List)**
31. **Tahir, M.** and Saleem, M. (2010). On relationship between some Bayesian and classical estimators. *Pakistan Journal of Life and Social Sciences* **8**(2): 159-161. **(ISI Master List, HEC Recognized)**

**(c) Research Papers in International Journals**

32. Irfan, M., Irfan, M. and **Tahir, M.** (2011). Modeling the province wise yield of rice crop in Pakistan using GARCH model. *International Journal of Science and Technology* **1**(6): 224-228.
33. **Tahir, M.** and Hussain, Z. (2008). Comparison of non-informative priors for number of defects (Poisson) model. *InterStat* #2 April.