

Abdul Haq

Curriculum Vitae

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Education

2014 DPhil – Statistics University of Canterbury (UoC), Christchurch, New Zealand.
2010 MPhil – Statistics Quaid-i-Azam University (QAU), Islamabad, Pakistan.
2007 MSc – Statistics QAU, Islamabad, Pakistan.
2005 BSc – Math, Stat, Eco University of the Punjab, Lahore, Pakistan.

Employment

Chairperson July (31st) 2024 to date Department of Statistics (DoS), QAU, Islamabad, Pakistan.
Assoc. Prof. Sep (23rd) 2021 to date DoS, QAU, Islamabad, Pakistan.
Asst. Prof. Jan 2015 to Sep 2021 DoS, QAU, Islamabad, Pakistan.
Lecturer Oct 2014 to Dec 2014 DoS, QAU, Islamabad, Pakistan.
Lecturer Sep 2010 to Sep 2012 DoS, QAU, Islamabad, Pakistan.
Lecturer Jan 2010 to Jul 2010 Department of Sciences and Humanities, NU-FAST,
Islamabad-Campus, Pakistan.
Trainee Aug 2007 to Dec 2007 Higher Education Commission, Islamabad, Pakistan.

Award, Distinction, Fellowship, and Scholarship

2019-23 Ranked among the top two percent researchers in a global list compiled
at the Stanford University. <https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/3>
2018 Senior Adjunct Fellow (six years), School of Mathematics and Statistics,
UoC, Christchurch, New Zealand.
2017 Research Productivity Award, Pakistan Council for Science and Technology.
2012 Three years: UoC International Doctoral Scholarship, New Zealand.
2010 Chancellor Medal (MPhil Statistics): First Position in the DoS, and Second Position in the
Faculty of Natural Sciences, QAU, Islamabad, Pakistan.
2007 Second Position (MSc Statistics) in the DoS, QAU, Islamabad, Pakistan.
2005 Two years: Talent Forming Scheme, Higher Education Commission, Islamabad, Pakistan.
2005 Shield: Third Position in BSc, FG Sir Syed College, The Mall, Rawalpindi, Pakistan.

Computer Skill

Mathematica, R, Julia, $\text{\LaTeX}$.

Course Taught

Level	Title
BS	Probability & Statistics, Basic Statistical Inference.
BS/MSc	Probability & Probability Distributions–II, Statistical Inference I & II, Bayesian Statistics, Experimental Designs–II, Statistical Packages, Sampling Techniques-I.
MPhil/DPhil	Estimation Theory, Hypothesis Testing, Bayesian Inference, Recent Developments in Statistics, Advanced Topics in Design of Experiments.

Research Interest

Statistical Process Monitoring; Survey Sampling; Order Statistics.

MPhil Thesis Supervised

32. H. Khalid (2024). An adaptive EWMA chart using median sampling for monitoring the process mean.

31. F. Jabeen (2024). A dual cumulative sum median chart for monitoring the process mean.
30. W. H. Shahab (2024). The performance of adaptive EWMA chart with estimated parameters for monitoring the process mean.
29. M. Anwar (2024). An adaptive EWMA t chart for monitoring the process mean.
28. G. Zainab (2024). New weighted adaptive CUSUM charts for monitoring the process variance.
27. M. Naz (2023). Single and dual reference-free cumulative-score charts for detecting unknown patterned mean shifts.
26. U. Kalsoom (2022). New EWMA charts for monitoring the variance of a normal process.
25. R. Riasat (2022). New EWMA t charts for monitoring the process mean.
24. Q. Ali (2022). Joint monitoring of the process mean and variance with maximum dual CUSUM chart.
23. S. Iqbal (2022). Novel EWMA mean charts with a Brownian statistic.
22. A. A. Abbasi (2021). Weighted adaptive CUSUM charts for monitoring the generalized variance of a bivariate process.
21. H. Sadia (2021). An adaptive EWMA chart with variable sample size and variable sampling interval for the process mean.
20. K. Sohrab (2021). Directionally sensitive MCUSUM mean charts.
19. M. Abbas (2021). Estimation of finite population distribution function in two-stage and three-stage cluster sampling.
18. M. Usman (2021). Estimation of finite population variance in stratified random sampling.
17. E. A. Syed (2021). New CUSUM and dual CUSUM charts for monitoring the process mean.
16. S. Akhtar (2020). Auxiliary-information-based memory-type control charts with variable sampling intervals for monitoring the process parameters.
15. N. Bibi (2020). Enhanced EWMA control charts for monitoring the coefficient of variation.
14. S. Ejaz (2020). Double EWMA- t control charts for monitoring the process mean.
13. M. Bibi (2020). Profile monitoring with individual observations.
12. F. Razzaq (2019). Weighted adaptive CUSUM charts for monitoring process mean and variance.
11. T. Munir (2019). Dual multivariate CUSUM control charts for monitoring process mean.
10. S. Hussain (2019). Estimation of finite population distribution function with dual use of auxiliary information.
9. L. Bibi (2018). Improved dual CUSUM control charts for monitoring process mean.
8. Z. U. Abidin (2018). Memory-type control charts for monitoring process mean using auxiliary information.
7. I. Hussain (2018). Estimation of population mean with dual use of auxiliary information.
6. M. Anwar (2018). Bayesian inference using record values from inverted probability distributions.
5. S. Abbasi (2018). New adaptive CUSUM control charts for monitoring process mean.
4. R. Gulzar (2017). New adaptive EWMA control charts.
3. W. Munir (2017). New cumulative sum control charts for monitoring process mean and process dispersion.
2. R. Ali (2017). Memory-type control charts for monitoring process mean and process dispersion.
1. M. Awais (2017). Quality control charts for monitoring process mean using varied L ranked set sampling.

ISI Research Publication

158. **Haq, A.** (2025). A critique of the group runs chart. *Quality Engineering*, early access. <https://doi.org/10.1080/08982112.2025.2527879>
157. **Haq, A.** & Khoo, M.B.C. (2025). Weighted adaptive CUSUM mean chart with variable sample size and sampling interval. *Communications in Statistics - Simulation and Computation*, 54(5), 1481-1499. <https://doi.org/10.1080/03610918.2023.2286923>
156. Saleh, N.A., Mahmoud, M.A., **Haq, A.**, & Woodall, W.H. (2025). A critical reevaluation of the resubmission-based control chart. *Communications in Statistics - Theory and Methods*, 54(23), 7427-7438. <https://doi.org/10.1080/03610926.2025.2476024>
155. **Haq, A.** (2025). Design of the EWMA charts for simultaneously monitoring mean and variance using the conditional false alarm rate. *Quality Engineering*, 37(4), 552-559. <https://doi.org/10.1080/08982112.2025.2455739>
154. **Haq, A.** & Woodall, W.H. (2025). A critique of neutrosophic statistical analysis illustrated with interval data from designed experiments. *Journal of Quality Technology*, 57(3), 257-264. <https://doi.org/10.1080/00224065.2025.2509618>
153. **Haq, A.** (2025). A critical note on the partitioned weighted moving average control chart. *Quality and Reliability Engineering International*, 41(5), 2111-2118. <https://doi.org/10.1002/qre.3766>
152. **Haq, A.** (2025). The misguided adaptive EWMA chart. *Quality and Reliability Engineering International*, 41(5), 2216-2220. <http://doi.org/10.1002/qre.3765>
151. **Haq, A.**, Woodall, W.H. & Steiner, S.H. (2025). A study of attribute control charts for censored lifetime data. *Quality Engineering*, 37(2), 247-256. <https://doi.org/10.1080/08982112.2024.2375612>
150. Mahwish, R. & **Haq, A.** (2025). A weighted dual cumulative sum chart for monitoring the process mean. *Quality and Reliability Engineering International*, 41(1), 361-376. <https://doi.org/10.1002/qre.3663>
149. **Haq, A.** (2025). Evaluating multivariate charts: A first-to-signal criterion approach. *Quality and Reliability Engineering International*, 41(1), 464-478. <https://doi.org/10.1002/qre.3669>
148. Batool, Z. & **Haq, A.** (2025). An adaptive EWMA chart for Poisson process. *Quality Technology & Quantitative Management*, 22(1), 55-70. <https://doi.org/10.1080/16843703.2024.2304958>
147. **Haq, A.** (2024). Adaptive EWMA and CUSUM charts with dynamic probability control limits. *Communications in Statistics - Simulation and Computation*, early view. <https://doi.org/10.1080/03610918.2024.2417819>
146. **Haq, A.** & Woodall, W.H. (2024). A critical note on the exponentiated EWMA chart. *Statistical Papers*, 65, 5379-5387. Impact Factor 1.1. <https://doi.org/10.1007/s00362-024-01601-w>
145. **Haq, A.** & Woodall, W.H. (2024). A critique on the use of the belief statistic for process monitoring. *Quality and Reliability Engineering International*, 40(6), 3381-3386. Impact Factor 2.8. <https://doi.org/10.1002/qre.3573>
144. **Haq, A.** (2024). An adaptive EWMA mean chart in the presence of outliers. *Quality Technology & Quantitative Management*, 21(6), 926-941. Impact Factor 3.0. <https://doi.org/10.1080/16843703.2023.2257988>
143. Munir, W. & **Haq, A.** (2024). New CUSUM and EWMA charts with simple post signal diagnostics for two-parameter exponential distribution. *Quality and Reliability Engineering International*, 40(8), 4394-4413. Impact Factor 2.8. <https://doi.org/10.1002/qre.3636>
142. **Haq, A.** & Woodall, W.H. (2024). Extended GWMA control charts: A critical evaluation. *Quality and Reliability Engineering International*, 40(7), 4104-4110. Impact Factor 2.8. <https://doi.org/10.1002/qre.3624>
141. **Haq, A.** & Khoo, M.B.C. (2024). Directionally sensitive adaptive MEWMA charts with fixed and variable sampling rates. *Quality and Reliability Engineering International*, 40(5), 2695-2709. Impact Factor 2.8. <https://doi.org/10.1002/qre.3543>

140. **Haq, A.** (2024). A new sampling scheme for an improved monitoring of the process mean. *Measurement: Interdisciplinary Research and Perspectives*, 22(3), 268–279. Impact Factor 1.0. <https://doi.org/10.1080/15366367.2023.2257902>
139. **Haq, A.**, Usman, M., & Khan, M. (2024). Estimation of finite population variance under stratified sampling in the presence of measurement errors. *Measurement: Interdisciplinary Research and Perspectives*, 22(3), 219–234. Impact Factor 1.0. <https://doi.org/10.1080/15366367.2023.2247618>
138. **Haq, A.** & Khoo, M.B.C. (2024). Enhanced memory-type charts for monitoring the ratio of two normal random variables. *Communications in Statistics - Simulation and Computation*, 53(6), 2898–2916. Impact Factor 0.8. <https://doi.org/10.1080/03610918.2022.2092142>
137. **Haq, A.** & Khoo, M.B.C. (2024). A near-optimal CUSUM- t chart. *Quality and Reliability Engineering International*, 40(4), 2116–2121. Impact Factor 2.8. <https://doi.org/10.1002/qre.3516>
136. **Haq, A.** (2024). Dynamic probability control limits for the adaptive multivariate EWMA chart. *Quality and Reliability Engineering International*, 40(4), 2067–2077. Impact Factor 2.8. <https://doi.org/10.1002/qre.3509>
135. **Haq, A.** & Ali, Q. (2024). A maximum dual CUSUM chart for joint monitoring of process mean and variance. *Quality Technology & Quantitative Management*, 21(3), 287–308. Impact Factor 3.0. <https://doi.org/10.1080/16843703.2023.2193769>
134. Woodall, W. H., **Haq, A.**, Mahmoud, M.A., & Saleh, N.A. (2024). Reevaluating the performance of control charts based on ranked-set sampling. *Quality Engineering*, 36(2), 365–370. Impact Factor 2.2. <https://doi.org/10.1080/08982112.2023.2212751>
133. **Haq, A.** (2024). Beyond the EWMA chart: critiquing hybrid approaches. *Quality and Reliability Engineering International*, 40(3), 1361–1368. Impact Factor 2.8. <https://doi.org/10.1002/qre.3471>
132. **Haq, A.** (2024). A critical note on memory-type charts with the Brownian statistic. *Quality and Reliability Engineering International*, 40(3), 1302–1310. Impact Factor 2.8. <https://doi.org/10.1002/qre.3467>
131. **Haq, A.** & Woodall, W.H. (2024). Effect of estimation error on the conditional false alarm rate design of the EWMA chart. *Quality and Reliability Engineering International*, 40(3), 1334–1340. Impact Factor 2.8. <https://doi.org/10.1002/qre.3469>
130. **Haq, A.** (2024). An EWMA sign chart for monitoring processes with fixed and variable sample sizes. *Stat*, 13(1), e652. Impact Factor 0.8. <http://dx.doi.org/10.1002/sta4.652>
129. **Haq, A.**, Naz, M., & Khoo, M.B.C. (2024). Single and dual reference-free CUSCORE charts for detecting unknown patterned mean shifts. *Journal of Statistical Computation and Simulation*, 94(3), 484–498. Impact Factor 1.2. <https://doi.org/10.1080/00949655.2023.2259536>
128. Lee, M.H., Tan, V.M., **Haq, A.**, Khoo, M.B.C., Chew, X.Y., & Teoh, W.L. (2024). The multivariate exponentially weighted moving average chart for monitoring short production runs. *Communications in Statistics - Simulation and Computation*, 53(7), 3554–3569. Impact Factor 0.8. <https://doi.org/10.1080/03610918.2022.2108054>
127. **Haq, A.** & Syed, E.A. (2024). Enhanced CUSUM and dual CUSUM mean charts. *Communications in Statistics - Theory and Methods*, 53(6), 1906–1941. Impact Factor 0.8. <https://doi.org/10.1080/03610926.2022.2116285>
126. Lee, M.H., Khoo, M.B.C., **Haq, A.**, & Chew, W.Y. (2023). Economic-statistical design of the variable sampling interval Poisson EWMA chart. *Communications in Statistics - Simulation and Computation*, 52(5), 2139–2150. Impact Factor 0.8. <https://doi.org/10.1080/03610918.2021.1898637>
125. **Haq, A.** & Woodall, W.H. (2023). A critique of the use of modified and moving average-based EWMA control charts. *Quality and Reliability Engineering International*, 39(4), 1269–1276. Impact Factor 2.2. <https://doi.org/10.1002/qre.3290>
124. **Haq, A.** & Abbasi, A.A. (2023). New weighted adaptive CUSUM charts for monitoring the generalized variance of a bivariate normal process. *Journal of Statistical Computation and Simulation*, 93(4), 604–633. Impact Factor 1.1. <https://doi.org/10.1080/00949655.2022.2115042>

123. **Haq, A.**, Abbas, M., & Khan, M. (2023). Estimation of finite population distribution function in a complex survey sampling. *Communications in Statistics - Theory and Methods*, 52(8), 2574–2596. Impact Factor 0.6. <https://doi.org/10.1080/03610926.2021.1955386>
122. **Haq, A.** & Khoo, M.B.C. (2023). A near-optimal CUSUM-CV chart. *Quality and Reliability Engineering International*, 39(6), 2659–2666. Impact Factor 2.2. <https://doi.org/10.1002/qre.3340>
121. **Haq, A.** & Woodall, W.H. (2023). A misuse of the EWMA-type statistic in acceptance sampling applications. *Quality and Reliability Engineering International*, 39(1), 320–327. Impact Factor 2.2. <https://doi.org/10.1002/qre.3240>
120. **Haq, A.**, Usman, M., & Khan, M. (2023). Estimation of finite population variance under stratified random sampling. *Communications in Statistics - Simulation and Computation*, 52(12), 6193–6209. Impact Factor 0.8. <https://doi.org/10.1080/03610918.2021.2009866>
119. **Haq, A.** (2023). An EWMA mean chart with auxiliary information. *Quality and Reliability Engineering International*, 39(3), 971–981. Impact Factor 2.2. <https://doi.org/10.1002/qre.3274>
118. **Haq, A.**, Kalsoom, U., & Khoo, M.B.C. (2023). New EWMA charts for process variance. *Quality and Reliability Engineering International*, 39(3), 871–904. Impact Factor 2.2. <https://doi.org/10.1002/qre.3264>
117. Lee, M.H., Khoo, M.B.C., **Haq, A.**, Wong, M.L.D., & Chew, X.Y. (2023). Synthetic c charts with known and estimated process parameters based on median run length and expected median run length. *Quality Technology & Quantitative Management*, 20(2), 168–183. Impact Factor 2.3. <https://doi.org/10.1080/16843703.2022.2098456>
116. **Haq, A.** (2022). Recovering the sensitivity of an auxiliary information based EWMA mean chart. *Lobachevskii Journal of Mathematics*, 43(9), 2463–2478. Impact Factor 0.7. <https://doi.org/10.1134/S1995080222120137>
115. **Haq, A.** & Woodall, W.H. (2022). A note on an average run length calculation for the EWMA and other charts. *Quality and Reliability Engineering International*, 38(8), 4351–4355. Impact Factor 2.3. <https://doi.org/10.1002/qre.3214>
114. **Haq, A.**, Riasat, R., & Khoo, M.B.C. (2022). New EWMA t charts for process mean. *Quality and Reliability Engineering International*, 38(8), 4247–4266. Impact Factor 2.3. <https://doi.org/10.1002/qre.3205>
113. **Haq, A.** & Khoo, M.B.C. (2022). Monitoring multivariate coefficient of variation with individual observations. *Quality and Reliability Engineering International*, 38(8), 4236–4246. Impact Factor 2.3. <https://doi.org/10.1002/qre.3204>
112. **Haq, A.** & Khoo, M.B.C. (2022). An adaptive multivariate EWMA mean chart with variable sample sizes and/or variable sampling intervals. *Quality and Reliability Engineering International*, 38(7), 3322–3341. Impact Factor 2.3. <https://doi.org/10.1002/qre.3120>
111. **Haq, A.**, Sadia, H., & Khoo, M.B.C. (2022). A parameter-free adaptive EWMA chart with variable sample sizes and variable sampling intervals for the process mean. *Journal of Statistical Computation and Simulation*, 92(13), 2802–2828. Impact Factor 1.2. <https://doi.org/10.1080/00949655.2022.2049268>
110. **Haq, A.** (2022). Adaptive MEWMA charts for univariate and multivariate simple linear profiles. *Communications in Statistics - Theory and Methods*, 51(16), 5383–5411. Impact Factor 0.8. <https://doi.org/10.1080/03610926.2020.1839100>
109. **Haq, A.**, Bibi, N., Khoo, M.B.C., & Brown, J. (2022). Monitoring the process coefficient of variation without subgrouping. *Journal of Statistical Computation and Simulation*, 92(9), 1805–1822. Impact Factor 1.2. <https://doi.org/10.1080/00949655.2021.2007918>
108. Abbas, M., & **Haq, A.** (2022). Estimation of finite population distribution function with auxiliary information in a complex survey sampling. *SORT*, 46(1), 67–94. Impact Factor 1.6. <https://doi.org/10.2436/20.8080.02.118>
107. Umar, A.A., Khoo, M.B.C., Saha, S., & **Haq, A.** (2022). Effect of measurement errors on triple sampling $\bar{X}$ chart. *Quality and Reliability Engineering International*, 38(4), 1886–1908. Impact Factor 2.3. <https://doi.org/10.1002/qre.3061>

106. **Haq, A.**, Iqbal, S., & Khoo, M.B.C. (2022). A novel EWMA mean chart with its extensions. *Quality and Reliability Engineering International*, 38(2), 971–988. Impact Factor 2.3. <https://doi.org/10.1002/qre.3030>
105. **Haq, A.** & Khoo, M.B.C. (2022). A novel partially parameter-free adaptive multivariate EWMA mean chart. *Quality and Reliability Engineering International*, 38(1), 574–591. Impact Factor 2.3. <https://doi.org/10.1002/qre.3002>
104. **Haq, A.** & Razzaq, F. (2022). New weighted adaptive CUSUM dispersion charts. *Quality and Reliability Engineering International*, 38(1), 110–133. Impact Factor 2.3. <https://doi.org/10.1002/qre.2960>
103. **Haq, A.** (2022). A novel cumulative EWMA-sum mean chart. *Quality and Reliability Engineering International*, 38(1), 472–483. Impact Factor 2.3. <https://doi.org/10.1002/qre.2991>
102. **Haq, A.** & Bibi, L. (2022). The dual CUSUM charts with auxiliary information for process mean. *Communications in Statistics - Simulation and Computation*, 51(1), 164–189. Impact Factor 0.9. <https://doi.org/10.1080/03610918.2019.1648824>
101. **Haq, A.** & Akhtar, S. (2022). Auxiliary information based maximum EWMA and DEWMA charts with variable sampling intervals for process mean and variance. *Communications in Statistics - Theory and Methods*, 51(12), 3985–4005. Impact Factor 0.8. <https://doi.org/10.1080/03610926.2020.1805766>
100. **Haq, A.**, Bibi, M., & Shah, B.A. (2022). A novel approach to monitor simple linear profiles using individual observations. *Communications in Statistics - Simulation and Computation*, 51(11), 6269–6282. Impact Factor 0.9. <https://doi.org/10.1080/03610918.2020.1799229>
99. **Haq, A.**, Ejaz, S., & Khoo, M.B.C. (2022). A new double EWMA- t chart for process mean. *Communications in Statistics - Simulation and Computation*, 51(11), 6556–6571. Impact Factor 0.9. <https://doi.org/10.1080/03610918.2020.1805630>
98. Khoo, M.B.C., Saha, S., Teh, S.Y., **Haq, A.** & Lee, H.C. (2022). The median control chart for process monitoring in short production runs. *Communications in Statistics - Simulation and Computation*, 51(10), 5816–5831. Impact Factor 0.9. <https://doi.org/10.1080/03610918.2020.1783557>
97. Mim, F.N., Khoo, M.B.C., Saha, S., & **Haq, A.** (2022). New run sum t charts with variable sampling intervals for process mean. *Communications in Statistics - Simulation and Computation*, 51(9), 5350–5372. Impact Factor 0.9. <https://doi.org/10.1080/03610918.2020.1770285>
96. **Haq, A.** & Khoo, M.B.C. (2021). Enhanced directionally sensitive and directionally invariant MCUSUM and MEWMA charts for process mean. *Computers & Industrial Engineering*, 161, November, 107635. Impact Factor 7.180. <https://doi.org/10.1016/j.cie.2021.107635>
95. **Haq, A.**, & Munir, W. (2021). New CUSUM and Shewhart-CUSUM charts for monitoring the process mean. *Quality and Reliability Engineering International*, 37(8), 3512–3528. Impact Factor 3.007. <https://doi.org/10.1002/qre.2930>
94. **Haq, A.**, Khoo, M.B.C., Lee, M.H. & Abbasi, S.A. (2021). Enhanced adaptive multivariate EWMA and CUSUM charts for process mean. *Journal of Statistical Computation and Simulation*, 91(12), 2361–2382. Impact Factor 1.225. <https://doi.org/10.1080/00949655.2021.1894564>
93. **Haq, A.**, Akhtar, S. & Khoo, M.B.C. (2021). Adaptive CUSUM and EWMA charts with auxiliary information and variable sampling intervals for monitoring the process mean. *Quality and Reliability Engineering International*, 37(1), 47–59. Impact Factor 3.007. <https://doi.org/10.1002/qre.2719>
92. **Haq, A.**, Khoo, M.B.C., & Brown, J. (2021). Memory-type t charts with multiple auxiliary information for the process mean. *Quality and Reliability Engineering International*, 37(8), 3730–3745. Impact Factor 3.007. <https://doi.org/10.1002/qre.2946>
91. **Haq, A.**, Ejaz, S., Lee, M.H., & Khan, M. (2021). A new double EWMA- t chart with auxiliary information for the process mean. *Quality and Reliability Engineering International*, 37(8), 3381–3394. Impact Factor 3.007. <https://doi.org/10.1002/qre.2923>
90. **Haq, A.**, Sohrab, K., & Khoo, M.B.C. (2021). Directionally sensitive weighted adaptive multivariate CUSUM mean charts. *Quality and Reliability Engineering International*, 37(6), 2970–2988. Impact Factor 3.007. <https://doi.org/10.1002/qre.2900>

89. **Haq, A.** & Khoo, M.B.C. (2021). Memory-type control charts with multiple auxiliary information for process mean. *Quality and Reliability Engineering International*, 37(6), 2348–2364. Impact Factor 3.007. <https://doi.org/10.1002/qre.2861>
88. **Haq, A.**, Bibi, M., & Brown, J. (2021). Monitoring multivariate simple linear profiles using individual observations. *Journal of Statistical Computation and Simulation*, 91(17), 3573–3592. Impact Factor 1.225. <https://doi.org/10.1080/00949655.2021.1943665>
87. **Haq, A.** & Sohrab, K. (2021). Directionally sensitive MCUSUM mean charts. *Quality and Reliability Engineering International*, 37(5), 2169–2188. Impact Factor 3.007. <https://doi.org/10.1002/qre.2851>
86. **Haq, A.** & Syed, E.A. (2021). New CUSUM and dual CUSUM mean charts. *Quality and Reliability Engineering International*, 37(4), 1355–1372. Impact Factor 3.007. <https://doi.org/10.1002/qre.2799>
85. Saha, S., Khoo, M.B.C., Castagliola, P., & **Haq, A.** (2021). Side-sensitive modified groups runs charts with and without measurement errors for monitoring the coefficient of variation. *Quality and Reliability Engineering International*, 37(2), 598–617. Impact Factor 3.007. <https://doi.org/10.1002/qre.2751>
84. Ayyoub, H.N., Khoo, M.B.C., Lee, M.H., & **Haq, A.** (2021). Monitoring multivariate coefficient of variation with upward Shewhart and EWMA charts in the presence of measurement errors using the linear covariate error model. *Quality and Reliability Engineering International*, 37(2), 694–716. Impact Factor 3.007. <https://doi.org/10.1002/qre.2757>
83. Abbasi, S., & **Haq, A.** (2020). New adaptive CUSUM charts for process mean. *Communications in Statistics - Simulation and Computation*, 49(11), 2944–2962. Impact Factor 1.118. <https://doi.org/10.1080/03610918.2018.1530786>
82. **Haq, A.** & Razzaq, F. (2020). Maximum weighted adaptive CUSUM charts for simultaneous monitoring of process mean and variance. *Journal of Statistical Computation and Simulation*, 90(16), 2949–2974. Impact Factor 1.424. <https://doi.org/10.1080/00949655.2020.1793154>
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Non-ISI Research Publication

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Book Chapter

1. **Haq, A.** (2019). Modified partially ordered judgment subset sampling schemes. Elsevier Book: *Ranked Set Sampling*, Chapter no. 8, pages: 95–116, Edition 1st. © Academic press. <https://doi.org/10.1016/B978-0-12-815044-3.00008-3>

Peer Review Activity

1. Member of Editorial Board:

- (a) Quality Engineering,
- (b) Quality and Reliability Engineering International,
- (c) Measurement: Interdisciplinary Research and Perspectives.

2. **Reviewer:** Computers & Industrial Engineering; Quality and Reliability Engineering International; Quality Engineering; Applied Stochastic Models in Business and Industry; Environmental and Ecological Statistics; Pharmaceutical Statistics; IEEE Access; Journal of Statistical Computation and Simulation; Quality Technology & Quantitative Management; Journal of Applied Statistics; Journal of Testing and Evaluation; Mathematical Methods in Applied Sciences; Communications in Statistics (Theory and Methods, Simulation and Computation); Scientia Iranica; PLOS ONE; Journal of Official Statistics; Stat; Ain Shams Engineering Journal; Journal of Computational and Applied Mathematics; Concurrency and Computation: Practice and Experience; Sociological Methods & Research; Measurement: Interdisciplinary Research and Perspectives; Scientific Reports; Mathematical Problems in Engineering; Mathematical Population Studies: An International Journal of Mathematical Demography; Mathematics; Journal of Probability and Statistics; Thailand Statistician; Sankhya B; Hacettepe Journal of Mathematics and Statistics; Journal of the Chinese Institute of Engineers; Stochastics and Quality Control; Journal of Industrial and Production Engineering; Advances in Mathematical Physics; Computational and Mathematical Methods in Medicine; Journal of Mathematics; Electronic Journal of Applied Statistical Analysis; Pakistan Journal of Statistics; Computers, Materials & Continua; Computer Systems Science and Engineering; Journal of Modern Applied Statistical Methods.

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