



**Ashok Sarkar**

**Academic Qualification**

- Ph.D. (Engineering) from Jadavpur University
- PGD in SQC & OR from Indian Statistical Institute
- B. Sc. (Tech) from University of Kolkata
- Qualified Assessor for ISO 9000:18

**Areas of Interest / Expertise:**

Lean Six Sigma, Quality Management System, Statistical Process Control, Design of Experiments, Taguchi Methods, Business Forecasting, Statistical Modelling, Business Analytics.

**Publications in Refereed Journals:**

1. Sarkar, A., Mukhopadhyay A.R., and Ghosh, S.K. (2011), Improvement of service quality by reducing waiting time for service, Simulation Modelling Practice and Theory, Vol. 19, pp. 1689 - 1698.
2. Sarkar, A., Mukhopadhyay A.R., and Ghosh, S.K. (2011), Selection of critical processes for 'process improvement', International Journal of Lean Six Sigma, Vol. 2, No. 4, pp. 356 - 370.
3. Sarkar, A., Mukhopadhyay A.R., and Ghosh, S.K. (2011), Comparison of Performance Appraisal Score: A Modified Methodology, Research and Practice in Human Resource Management, Vol.19, No.2, pp. 92-100.
4. Sarkar, A., Mukhopadhyay A.R., and Ghosh, S.K. (2012), Forecasting Daily Workflow Volumes for Medical Transcription Process, IAPQR Transaction, Vol 37, No 2, pp 83 - 102.
5. Sarkar, A., Mukhopadhyay A.R., and Ghosh, S.K. (2013), Issues in Pareto analysis and their resolution, Total Quality Management & Business Excellence, Vol 24, No. 5-6, pp 641-651
6. Sarkar, A., Mukhopadhyay A.R., and Ghosh, S.K. (2013), Root cause analysis, Lean Six Sigma and test of hypothesis, The TQM Journal, Vol. 25, No. 2 pp. 170 – 185
7. Sarkar, A., Mukhopadhyay A.R., and Ghosh, S.K. (2013), Improvement of claim processing cycle time through Lean Six Sigma methodology, International Journal of Lean Six Sigma, Vol. 4, No. 2, pp. 171-183
8. Sarkar, A., Mukhopadhyay A.R., and Ghosh, S.K. (2014), Developing a Model for Process Improvement Using Multiple Regression Technique: A Case Example in 'The TQM Journal'. Vol. 26, Issue-6, pp 625-638

9. Sarkar, A., Mukhopadhyay A.R., and Ghosh, S.K. (2014), Measurement System Analysis for implementing design for six sigma in International Journal of Productivity and Quality management, Vol. 14, Issue-3, pp 373-386.
10. Sarkar, A., Mukhopadhyay A.R., and Ghosh, S.K. (2014), An outline of the 'Control Phase' for implementing Lean Six Sigma accepted in the International Journal of Lean Six Sigma, Vol. 5, Issue-3, pp 230-252.
11. Sarkar, A., Mukhopadhyay A.R., and Ghosh, S.K. (2015), Productivity Improvement by Reduction of Idle Time through Application of Queuing Theory accepted for publication at OPSEARCH, Vol. 52, Issue-2, pp 195-211
12. Gijo, E.V. and Sarkar, A. (2013). Application of Six Sigma to improve the quality of the road for wind turbine installation, The TQM Journal, 25(3): 244-258.
13. Sarkar, A., V. Gopalan (1995), Quality Management System for Cotton Spinning Mills, The Indian Textile Journal, July 1995, pp 22-27
14. Sarkar, A., Study on improvement of blow room performance, Quality Engineering USA 9(3), 529-536
15. Sarkar, A., S Pal, Estimation of Process Capability for concentricity, Quality Engineering USA 9(4), 665-671
16. Sarkar, A., S Pal, Process Control and evaluation in the presence of systematic assignable cause Quality Engineering USA 10(2), 383-388
17. Sarkar, A., Implementation of ISO 9000 QS in a textile mill, Total Quality Management UK, Vol.9, No.1 123-131

**Published in proceedings of conferences:**

1. Sarkar, A., Mukhopadhyay A.R., and Ghosh, S.K. (2011), Addressing Environmental concern through Lean Six Sigma! A Greener Approach, Sustainable Waste Management, pp 71 – 76
2. Sarkar, A., Mukhopadhyay A.R., and Ghosh, S.K. (2013), Process Modeling and Measures in Lean Six Sigma, Proceedings of International Conference of Quality Reliability and Operation Research, pp 39-45
3. Sarkar A (2003), Six Sigma Implementation: Experience in Indian Organization, BMA Review Sept-Oct 2003: Page 46-47
4. Sarkar A (2008), Six Sigma Implementation – A strategy, Proceedings of International Conference of present practices and future Trend in Quality and Reliability, 2008
5. Sarkar A , Six Sigma – Some issues, Proceedings of Golden Jubilee conference of SQC & OR Unit, ISI Bangalore.
6. Sarkar, A., Statistical Process Control in Textile Spinning Mills, The Indian Textile Journal, August 1996, pp 46-49
7. Sarkar, A., A Roy Choudhury, Improvement in performance of tools in wire cutting machine through optimum sorting of parameters, ICQ 96, Yokohama Presentation JUSE, Japan
8. Sarkar, A., A Khare, Optimum Lay Planning for garment industry, International Conference on Operation and Quantitative Management, Proceedings pp 701-708

9. Sarkar, A., Chakraborty A K, A feasibility study for a Pull system, Proceedings of International Conference on Stochastic Process and their application
10. Sarkar, A., Point & counter point on “Vital Few Trivial Many Challenged”, Quality Striving for Excellence – Newsletter NCQM Mumbai, August 98
11. Vidyasagar A. Santhosh Crasta, U.H. Acharya and Ashok Sarkar (2013), Optimization of Process to Improve Paint Finish, Proceedings of International Conference of Quality Reliability and Operation Research pp 57-66

**Conference/ Symposium organized:**

1. Symposium on Quality Improvement Methodology - 27 – 28 February 2017: Mahindra & Mahindra, Kandivali, Mumbai
2. International Conference on Quality, Reliability and Operations Research on 7th -9th January 2013 at Nehru Science Centre, Worli, Mumbai

**Books published**

1. Ashok Sarkar, M.Z. Anis, Sagar Sikder (Ed); International Conferences on Quality, Reliability and Operations Research (ICONQROR-13), Excel India Publishers, ISBN: 978-93-82880-27-1

**Courses Designed and offered**

1. Certification program for Business Analytics
2. Statistical Techniques for Research Methodology
3. Lean Six Sigma Master Black Belt
4. Acceptance Sampling
5. Forecasting
6. Workshop on FMEA
7. Advanced Statistical Topics for Six Sigma Black belt/ Master Black Belt
8. Statistical Techniques for CMMI

**Organisation Served:**

1. L&T-Electrical Business Group. Mumbai
2. Aditya Birla Management Services.
3. ENERCON India Ltd,
4. Mahindra and Mahindra, Farm Equipment Sector
5. Swaraj Mahindra, Chandigarh
6. Reliance Industries Ltd (polyester mfg. group),
7. Ashok Leyland Group of Companies,
8. BHEL, Bhopal
9. Huber Chemicals
10. Iran Khodro (TEHRAN, Iran)
11. Equate Petrochemical, Kwait
12. PIC Petrochemical, Kwait
13. Thai Phosphates, Thailand.

14. Six Sigma Management Institute, Srilanka
15. Tanfeeth Dubai
16. Hindalco Industries Limited
17. Kalpataru Power Transmission Limited

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