

Fatemeh Sogandi

Email: f.sogandi1990@gmail.com

EDUCATION

Ph.D, Amirkabir University of Technology- Tehran Polytechnic

Master of Science, Industrial Engineering, Shahed University, Tehran, Iran

Bachelor of Science, Industrial Engineering, Shahid Bahonar Kerman University.

High School Diploma, Mohebi State/Public Exemplary Schools

ISI Papers:

- ✓ Amirhossein Amiri, Fatemeh Sogandi, and Mona Ayoubi. (2017) "*Simultaneous Monitoring of Correlated Multivariate Linear and GLM Regression Profiles in Phase II. Quality Technology & Quantitative Management.*"
- ✓ Sogandi, F., Aminnayeri, M., Mohammadpour, A. and Amiri, A., (2019). Risk-adjusted Bernoulli chart in multi-stage healthcare processes based on state-space model with a latent risk variable and dynamic probability control limits. *Computers & Industrial Engineering,*
- ✓ Sogandi, F., Aminnayeri, M., Mohammadpour, A. and Amiri, A., (2020). Phase I risk-adjusted Bernoulli chart in multistage healthcare processes based on the state-space model. *Journal of statistical computation and simulation,* Accepted
- ✓ Fatemeh Sogandi, Amirhossein Amiri. (2015) "Monotonic Change Point Estimation of Generalized Linear Model-Based Regression Profiles." *Communications in Statistics-Simulation and Computation.*
- ✓ Amirhossein Amiri, Saeed Allahyari, Fatemeh Sogandi. (2014) "Identifying the Time of a Step Change in Bivariate Binomial Processes." *International Journal of Advanced Manufacturing Technology,*

ISC Papers:

- ✓ Majid Aminnayeri and Fatemeh Sogandi (2018) "A risk adjusted self-starting Bernoulli CUSUM control chart with dynamic probability control limits" *Aut Journal of Simulation and Modeling,* 48(2), pp:103-110.
- ✓ Fatemeh Sogandi, S. Meysam Mousavi, and Amirhossein Amiri (2017) " Self-Starting Control Chart and Post Signal Diagnostics for Monitoring Project Earned Value Management Indices." To appear in *Journal of Industrial and Systems Engineering.*
- ✓ Razieh Ghanaatiyan, Amirhossein Amiri and Fatemeh Sogandi (2016) "Multi-Objective Economic-Statistical Design of VSSI-MEWMA-DWL Control Chart with Multiple Assignable Causes", *Journal of Industrial and Systems Engineering.*

- ✓ Fatemeh Sogandi and Amirhossein Amiri: (2015) "Estimating the time of a step change in Gamma regression profiles using MLE approach. *International Journal of Engineering*, 28 (2), 230-238.
- ✓ Fatemeh Sogandi and Mahdi Bashiri: (2015) "The optimization of bi-signal multi-response systems with stochastic target profiles using goal programming." *International Journal of Quality Engineering and Technology*.
- ✓ Fatemeh Sogandi and Amirhossein Amiri: (2014) "Change point estimation of Gamma regression profiles with a linear trend disturbance, *International Journal of Quality Engineering and Technology* 4 (4), 352-368.
- ✓ Fatemeh Sogandi, R. Ghanaatiyan and S. Meysam Mousavi (2014) "An extension of fuzzy P-control chart based on alpha- level fuzzy midrange." *Advanced Computational Techniques in Electromagnetics*.
- ✓ Fatemeh Vakilian, Amirhossein Amiri, and Fatemeh Sogandi (2016) "Monotonic change point estimation in the AR(1) autocorrelated simple linear profiles." *International Journal of Engineering*. 28 (7). 1059-1067.
- ✓ Amirhossein Amiri, Mohammad Reza Maleki, and Fatemeh Sogandi (2018) "Estimating the time of a step change in the multivariate-attribute process mean using ANN and MLE." *International Journal of Data Analysis Techniques and Strategies*. 10(1), 81-98.
- ✓ S. M. T. Fatemighomi and Fatemeh Sogandi (2018) "A two-sided Bernoulli-based CUSUM control charts with auto-correlated observations." To appear in *Journal of Industrial Engineering International*. 15, 287-292
- ✓ Fatemeh Sogandi and Majid Aminnayeri (2019) "The effect of estimation error on risk-adjusted Bernoulli GEWMA control chart in multistage healthcare processes." *International Journal of Hospital Research*, 8 (1). 1-18.

✓ امیرحسین امیری-فاطمه سوگندی-آزاده طباطبایی تخمین نقطه تغییر پله ای در نمودارهای کنترل g و h در حوزه بهداشت و درمان. ۱۳۹۶. مجله مهندسی صنایع تهران

✓ حمیده انصاری فر، امیرحسین امیری، فاطمه سوگندی تخمین نقطه تغییر تدریجی در نمودار کنترل h در حوزه بهداشت و درمان. ۱۳۹۶. مجله مهندسی سیستم و بهره وری

✓ مهدی بشیری، فاطمه وکیلان، فاطمه سوگندی تقریب منحنی رگرسیون اسپلاین با استفاده از الگوریتم ژنتیک، مجله مهندسی و مدیریت کیفیت. ۱۳۹۵.

Conference Proceedings:

- ✓ Fatemeh Sogandi, S. Meysam Mousavi, and Amirhossein Amiri: "*Controlling EVM indices in construction projects by a statistical technique*." Proceedings of 10th International Project Management Conference, Tehran, Iran, 15-16 February 2015,
- ✓ Amirhossein Amiri, Azadeh Rafiei Tabatabaee, and Fatemeh Sogandi: "*Estimating Step Change Point in g Control Chart in Healthcare*." Proceedings of the 11th International Industrial Engineering Conference, Tehran, Iran, 7-8 January 2015, Tehran, Iran;

- ✓ Razieh Ghanaatiyan, Fatemeh Sogandi, and Amirhossein Amiri: "*Joint optimization of statistical process control, preventive maintenance and production scheduling.*" The 7th International Conference of Iranian Operation Research Society, Semnan; 2014
- ✓ Amirhossein Amir, Fatemeh Sogandi, and Mona Ayoubi: "*Simultaneous Monitoring of Correlated Multivariate Linear and GLM based Regression Profiles in Phase II.*" 4th International Symposium on Statistical Process Monitoring 2015
- ✓ Mahdi Bashiri and Fatemeh Sogandi: "*Partial and total fortification consideration for reliable supply chains.*" The 7th International Conference of Iranian Operation Research Society, Semnan; 2014

سید حسن قدسی پور، فاطمه سوگندی مسأله زمانبندی چند هدفه شیفت های پرسنل پرستار: مطالعه موردی بیمارستان شریعتی تهران، دومین کنفرانس بین المللیو سومین همایش ملی کاربرد فناوری های نوین در علوم مهندسی، ۱۳۹۴ ✓

ACADEMIC EXPERIENCES

- ✓ Lecturer, SQC in Abrar University 2017, Graduate
- ✓ Lecturer, Statistics in Management in Abrar University 2017, Graduate
- ✓ TA, Design of Experiment in Amirkabir University 2017, Post- Graduate
- ✓ TA, Engineering Statistics in Amirkabir University 2016. Graduate
- ✓ TA, SQC, Shahed University, 2015. Graduate
- ✓ TA, Engineering Statistics, Shahid Bahonar University of Kerman, 2012, Graduate

HONORS AND AWARDS

- ✓ 1th Rank among the students of Industrial Engineering Department in Shahed University, Tehran, Iran. 2015
- ✓ Ranked in the the First 10% Accepted Competitors in National Universities' Entrance Exam for MSc degrees in Industrial Engineering. Iran. 2013
- ✓ Ranked in the the First 10% Accepted Competitors in National Universities' Entrance Exam for BSc degrees in Industrial Engineering. Iran. 2008
- ✓ 2nd Rank among the Mohebi State/Public Exemplary Schools, Mashhad, Iran. 2008
- ✓ 1th Rank in First stage of the Physics Olympiad, Iran. 2007

MEMBERSHIP

Membership in National Elite Foundation.

Membership in Iranian researcher's center, 2015-present.