Curriculum Vitae

MAJID CHAHKANDI

PERSONAL INFORMATION

Birth Date: 2 June 1984

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Address: University of Birjand, Birjand, Iran.

EDUCATION:

(2009-2013)   Ph. D: **Ferdowsi University of Mashhad - Iran.**
Thesis

 On the Reliability of Coherent Systems.

*Advisor***:** Prof. Jafar Ahmadi.

(2006- 2008)   MSc: **Shahid Beheshti University of Tehran- Iran.**

Thesis

 EM Algorithm and its Application in Survival Analysis.

*Advisor***:** Prof. Mojtaba Ganjali.

(2002- 2006)   BSc: **University of Birjand- Iran.**

Under graduate Project: Regression

RESEARCH INTEREST:

- **Reliability**
- **Nonparametric Statistics**
- **Order Statistics**
- **Information Theory**

TEACHING EXPERIENCE:

- **Statistics for Engineering and Science Students.**
- **Statistics for Management Students.**
- **Undergraduate Courses for Statistics students.**

HONORS AND Research Funds:

- **Ranked 1th** at the BSc Mathematical Statistisc, 2006, Department of Statistics, Birjand University, Iran.
- **Ranked 3th** at the MSc Mathematical Statistisc, 2008, Department of Statistics, Shahid Beheshti University of Tehran, Iran.
- **Ranked 2th** at the Ph. D Mathematical Statistisc, 2013, Department of Statistics, Ferdowsi University of Mashhad, Iran.
- **Ranked 10th** at national entrance exam for graduate study (M.Sc. Concours) in Mathematical Statistics, 2006, Iran.
- **Ranked 11th** at 11th national student Olympiad, 2006.
- **Ranked 7th** at 8th statistical student competition in Iran.
- **Ranked 1th** Student In Ph.D Qualify Exam, 2011, Faculty Of Mathematical Science, Ferdowsi University of Mashhad, Iran.
- **Ranked 2th** at entrance exam for Ph. D study in Ferdowsi University, 2009.
- **Sabbatical leave in Italy, Milan, 2013.**

Reviewed paper for:

1. **Reliability engineering and System safety**

2. **Statistical Papers**

3. **Applied Stochastic Models in Business and Industry**

4. **Communication in Statistics, Theory and Methods**

5. **Communications for Statistical Applications and Methods**

6. **International journal of general systems**

7. **Journal of Statistics Application and Probability**

8. **Hacettepe Journal of Mathematics and Statistics**

PUBLICATIONS:

1- **Chahkandi, M.** and Ganjali, M., (2009)**.** On some lifetime distributions with decreasing failure rate. *Computational Statistics and Data Analysis,* 53, 4433-4440.*(ISI)*

2- **Chahkandi, M.** and Ahmadi, J., (2013). Prediction intervals for k-records in terms of current records, *Journal of Statistical Theory and Applications*, Vol. 12, No. 1.

3- **Chahkandi, M**., Ahmadi, J. and Baratpour, S. (2014). Non-parametric prediction intervals for the lifetime of coherent systems, *Statistical Papers*, 55, 1019-1034.*(ISI)*

4- **Chahkandi, M.**, Ahmadi, J. and Baratpour, S. (2014). Some results for repairable systems with minimal repairs, *Applied Stochastic Models in Business and Industry*, 30, 218-226*. (ISI)*

5- **Chahkandi, M.**, Ruggeri, F., and Suarez-Llorens A. (2016). On a generalized signature of repairable coherent systems. *IEEE Transactions on Reliability*, 65, 434-445. *(ISI)*

6- **Chahkandi, M.,** Alizadeh Noughabi, H. (2016). Testing Exponentiality of the Residual life, Based on Dynamic Cumulative Residual Entropy. *Statistics and Probability Letters*. 177, 1-11. *(ISI)*

7- Akbari, M. H. and **Chahkandi, M.** (2017). Fuzzy record values. *Soft Computing*. 21, 1013-1020. (*ISI*).

8- Samadi, p, Rezaei, M., and **Chahkandi, M.** (2017). On the residual lifetime of coherent   systems with heterogeneous components. *Metrika. 80, 69-82. (ISI).*

9- **Chahkandi, M.,** Ahmadi, J. and Balakrishnan, N. (2017). Mixture representation for the residual lifetime of a repairable system. _Applied Stochastic Models in Business and Industry,_ 33, 382-393._(ISI)_

10- Alizadeh Noughabi, H. and **Chahkandi, M.** (2018). Testing the validity of the exponential model for hybrid Type-I censored data. _Communications in Statistics - Theory and Methods_. 47, 5770-5778. _(ISI)_

11- Sadeghi, F., Yousefzadeh, F., and **Chahkandi, M.** (2019). Some new stochastic orders based on quantile function. _Communications in Statistics - Theory and Methods_. 48, 942-953. _(ISI)_

12- **Chahkandi**, M. (2019). Some properties of repairable k-out-of-n systems. _Journal of statistical sciences._ 13, 385- 404. (ISC)

13- Kamranfar, H. Etminan, **J. Chahkandi, M.** (2020). Statistical inference for a repairable system subject to shocks: classical vs. Bayesian. _Journal of Statistical Computation and Simulation. 90, 112-137. (ISI)_

Conference Papers:

1- **Chahkandi, M**. and Ganjali, M., (2008), "Some new distribution with decreasing failure rate", _9th Iranian Statistical Conference, Isfahan University-Iran._

2- **Chahkandi, M.,** Ahmadi, J. and Baratpour, S., "Some preservation theorems for systems with minimal repairs", _11th Iranian Statistical Conference, sep 2012, Tehran, Iran._

3- **Chahkandi, M.** and Ahmadi, J. (2012). Prediction intervals for the lifetime of a coherent system, _The 3th Seminar on Reliability and its application. University of Mashhad, Iran._

4- **Chahkandi, M.** and Setarehshenas, S. (2014). "On series system with repairable components_", 12th , Iranian Statistical Conference, Kermanshah, Iran._

5- **Chahkandi, M.** and Ahmadi, J. (2014). "On the residual lifetimes of repairable systems", _12th , Iranian Statistical Conference, Kermanshah, Iran._

6- Ahmadi, J and **Chahkandi, M.** (2014). Stochastic comparison of repairable systems, _11th International Conference on Ordered Statistical Data, Poland._

7- **Chahkandi, M.** and Ahmadi, J. (2015). A Switch model in redundant systems. _1th Seminar of Reliability and its Applications_. Isfahan, Iran.

8- Chahkandi, M. and Toomaj, A. (2016). Measure of uncertainty in the residual lifetime of a coherent system. *2nd Seminar on Reliability Theory and its Applications.* Tehran, Iran.

9- **Chahkandi, M.** and Khorashadizadeh, M. (2016). Quantile-Based Expression of Dynamic Cumulative Residual Entropy. *13th , Iranian Statistical Conference, Kerman, Iran.*

10- Khorashadizadeh, M.   and **Chahkandi, M.** (2016). Quantile based Inaccuracy Measure. *13th , Iranian Statistical Conference, Kerman, Iran.*

11- Sadeghi, F. Yousefzadeh, F. and **Chahkandi, M.** (2016). Stochastic Orders Using Quantile-based Reversed Reliability Functions. *13th , Iranian Statistical Conference, Kerman, Iran.*

14- Setarehshenas, S. and **Chahkandi, M.** (2017). Modeling and Forecasting Mortality rate for Rasht population. *Modern Methods in Insurance Pricing and Industrial Statistics. (International conference). Bu Ali Sina University*. Hamedan. Iran. 80- 82.

15- Khaleghpanah Nooghabi, E. Rezaei, M. and **Chahkandi, M.** (2017). Comparison of coherent systems using reverse mean residual order. *The 3th seminar on reliability theory and its applications. Ferdowsi University of Mashhad*. Mashhad, Iran. 156-160.

16- **Chahkandi, M.** and Toomaj, A. (2017). Some results on the residual entropy of coherent systems. *The 3th seminar on reliability theory and its applications. Ferdowsi University of Mashhad, Mashhad, Iran.* 81-85.

17- Kamranfar, H., Etminan, J. and **Chahkandi, M.** (2018). STATISTICAL INFERENCE FOR A REPAIRABLE SYSTEM WITH WEIBULL DISTRIBUTION SUBJECT TO SHOCKS*. 5th International Reliability and Safety Engineering conference, Shiraz, Iran.*

18- Kamranfar, H., Etminan, J. and **Chahkandi, M. (2018).** Statistical inference for a repairable system with Weibull distribution subject to Shocks. *The 4th seminar on reliability theory and its applications. Shiraz University. Shiraz, Iran.* 113-120.