# CURRICULUMVITAE



# Professor Farhad Hosseinzadeh Lotfi

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* Department of Mathematics, Science and Research Branch,

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| **H index=36** | **H index=27** |

**EDUCATION:**

* University of Yazd, I. R. IRAN, B. Sc., Mathematics, 1987-1991.
* Islamic Azad University,Lahijan Branch,I. R. IRAN, M. Sc., Applied Mathematics (O. R.), **1992-1995.**
* Science and ResearchBranch, Islamic Azad University, Tehran, I. R. IRAN,Ph. D., Applied Mathematics (O. R.),**1996-1999.**

**COURSES:**

**Undergraduate**

1. Operations Research I
2. Operations Research II
3. Linear Algebra
4. Fundamental Mathematics
5. Statistic Sciences
6. Differential Equation
7. Partial Differential Equation
8. Foundations and Logic Mathematics
9. Discrete Mathematics
10. Simulation of Computer

**Graduate**

1. Advanced Linear Programming
2. Advanced Operations Research I, II
3. Advanced Nonlinear Programming
4. Advanced Engineering Mathematics
5. Data Envelopment Analysis I, II
6. Advanced Data Envelopment Analysis I, II
7. Graph Theory
8. Transportation
9. Network Flows
10. Advanced Simulation of Computer
11. Multiple Criteria Decision Making
12. Fuzzy Set

**Contracts and Grants:**

* Calculating Performance Evaluation, Ranking, Benchmarking, and Malmquist Productivity Index in Mellat Bank
* Calculating Performance Evaluationin Melli Bank
* Calculating Performance Evaluationin Ansar Bank
* Calculating Performance Evaluation, Ranking, and Malmquist Productivity Index in several branches of Islamic Azad Universities
* Designing anoptimization problem(mathematical programming) for optimal production of Jam Polypropylene Co.

**Research and Related Activities:**

* Areas of Specialization
* Complementary Problem in OR
* Data Envelopment Analysis and Model Building
* Data Envelopment Analysis and its Application
* Multiple Criteria Decision Making
* Fuzzy Set and System

**ResearchinProgress:**

* DEA: Computational Issues
* DEA: Constrained Facet Analysis
* DEA Application: The Evaluation of Academic Units
* DEA Application
* Application of DEA in Banking

**SCIENTIFIC SOCIETY MEMBER:**

1. Member of Iranian Mathematical Society, since 1996
2. Member of Multiple Criteria Decision Making (MCDM) Society, since 2000
3. Member of Iranian Operations Research Society, since 2007
4. Member of Iranian Data Envelopment Analysis Society, since 2013

**JOURNALS' EDITORAL BOARD/Editor-in-Chief:**

1. Editor-in-Chief and Member of editorial board of Data Envelopment Analysis and Decision Science, since 2007
2. Member of editorial board of Journal of Applied Mathematical Sciences, since 2007
3. Member of editorial board of Journal of Operational Research and Its Applications, since 2010
4. Manager and Member of editorial board of International Journal of Industrial mathematics, since 2007
5. Editor-in-Chief and Member of Editorial Board on Journal of New Researches in Mathematics, since 2014

**LIST OF PUBLICATIONS:**

**Journal Papers:**

**1997**

1. **Farhad Hosseinzadeh Lotfi**, S. Mehrabian and M. R. Alirezaee, (1997), "Determining the Comparative Efficiency of High Schools; An Application of Data Envelopment Analysis", *Journal of Sciences, Islamic Azad University*, Vol. 7, No. 23, p. 403-420.

**1998**

1. **Farhad Hosseinzadeh Lotfi**, G. R. Jahanshahloo and A. memariani, (1998), "A Method for Finding Most Productive Scale Size (MPSS) by Multiple Objective Programming in Data Envelopment Analysis", *Journal of Sciences, Islamic Azad University*, Vol. 8, No. 29,30, pp. 2230-2240**.**

**2000**

1. **Farhad Hosseinzadeh Lotfi**, G. R. Jahanshahloo and A. Memariani, (2000), "A Method for Finding Common Set of Weights by Multiple Objective Programming in DEA", *Southwest Journal of Pure and Applied Mathematics*, Vol. 1, pp. 44-54**.**

**2002**

1. G. R. Jahanshahloo, M. Sanei and **Farhad Hosseinzadeh Lotfi**, (2002), "Comparison Efficiency of Basice DEA and CSW Models Ratio to Measure of Decision Making Units Set", *Journal of Sciences, Islamic Azad University*, Vol. 12, No. 43, pp. 3421-3429**.**

**2003**

1. G. R. Jahanshahloo, **Farhad Hosseinzadeh Lotfi**, N. Shoja and G. Tohidi, (2003), "A Method for Solving 0-1 Multiple Objective Linear Programming Problem Using Data Envelopment Analysis", *Journal of the Operations Research Society of Japan*,Vol. 46, No. 2, pp. 189-202**.** (ISI)

**2004**

1. G. R.Jahanshahloo,  **Farhad Hosseinzadeh Lotfi**, N. Shoja and G. Tohidi, (2004), "A Method For Generating All Efficient Solutions of a 0-1 Multi -Objective Linear Programming Problem", *Asia-Pacific Journal of Operational Research*, Vol. 21, No. 1, pp. 127-139**.** (ISI)
2. G. R. Jahanshahloo, **Farhad Hosseinzadeh Lotfi**, N. Shoja, G. Tohidi andS. Razavyan, (2004), "The Outputs Estimation of a DMU According toImprovement of Its Efficiency", *Applied Mathematics and Computation*, 147, pp.409-413. (ISI)
3. G. R. Jahanshahloo, **Farhad Hosseinzadeh Lotfi**, N. Shoja, G. Tohidi andS. Razavyan, (2004), "A Method for Detecting Influential Observation in Radial DEAModels", *Applied Mathematicsand Computation*, 147, pp. 415-421. (ISI)
4. G. R. Jahanshahloo, M. Sanei, **Farhad Hosseinzadeh Lotfi**and N. Shoja, (2004), "Using The Gradient Line For Ranking DMUs in DEA", *Applied Mathematics and Computation*, 151, pp. 209-219. (ISI)
5. G. R. Jahanshahloo, **Farhad Hosseinzadeh Lotfi**, N. Shoja, G. Tohidi andS. Razavyan, (2004), "Ranking by Using l1-Norm in Data EnvelopmentAnalysis", *Applied Mathematics and Computation*, 153, pp. 215-224. (ISI)
6. G. R.Jahanshahloo, **Farhad Hosseinzadeh Lotfi**, N. Shoja, and M. Sanei, (2004), "An Alternative Approach for Equitable Allocation of Shared Costs by Using DEA", *Applied Mathematics and Computation*, 153, pp. 267-274. (ISI)
7. G. R.Jahanshahloo, **Farhad Hosseinzadeh Lotfi**, N. Shoja, G. Tohidi andS. Razavyan, (2004), "Input Estimation and Identification of Extra Inputs in Inverse DEA Models", *Applied Mathematics and Computation*, 156, pp. 427-437. (ISI)
8. G. R.Jahanshahloo, **Farhad Hosseinzadeh Lotfi**and M. Moradi, (2004), ''Sensitivity and Stability Analysis in DEA with Interval Data''*Applied Mathematics and Computation*, 156, pp. 463-477. (ISI)
9. G. R.Jahanshahloo, **Farhad Hosseinzadeh Lotfi**, N. Shoja and G. Tohidi, (2004), "A Method for Finding Efficient DMUs in DEA by Using 0-1 LinearProgramming", *Applied Mathematics and Computation*, 159, pp. 37-45. (ISI)
10. G. R.Jahanshahloo, **Farhad Hosseinzadeh Lotfi**, N. Shoja and G. Tohidi, (2004), "A Method for Solving 0-1 Multiple Objective ProgrammingProblem, Using Data Envelopment Analysis Technique", Mathematical*& Computational Appications,*Vol. 9, No. 2, pp. 147-156. (ISI)
11. G.R. Jahanshahloo, **Farhad Hosseinzadeh Lotfi** and M. Zohrehbandian, (2004), "Estimation of Efficiency and Infinitesimals in Data Envelopment Analysis", *Mathematical and Computational Applications (MCA),*Vol. 9, No. 2, pp. 299-302. (ISI)
12. **Farhad Hosseinzadeh Lotfi** and S. Kashanifar , (2004), "Finding a Good Site for Establishing Date Plant in Sistan-Baluchestan Province, by Applying Data Envelopment Analysis", *Journal of Applied Mathematics,* Vol. 1, No. 1, pp. 32-39.
13. A.Divandari, M. Mahmoudi, G. R. Jahanshahloo, **Farhad Hosseinzadeh Lotfi** and F. Eshghi, (2004), "Evalvation the Efficiency of Decision Making Uints by Applying DEA and its Applaication for the branches of Iran's Band Mellat", *Journal of Applied Mathematics,* Vol. 1, No. 1, pp. 74-82.
14. A.Divandari, M. Mahmoudi, G. R. Jahanshahloo, **Farhad Hosseinzadeh Lotfi**, V. B. Taleghani and M. Makkhi, (2004), "Personal Designation to Achive a Relatively Hypothetical, Desird Situation Using DEA in Bank Mellat Iran",  *Journal of Applied Mathematics,* Vol. 1, No. 2, pp. 1-10.
15. A.Shahvarani , M. M. Maasoumi, **Farhad Hosseinzadeh Lotfi** and R. Matinpour, (2004), "The Resons of Decline of Education in the Field of Mathematics of the First Garde in High School, the Cities of West of Guilan",  *Journal of Applied Mathematics,* Vol. 1, No. 3, pp. 1-16.
16. A.Medghalchi, **Farhad Hosseinzadeh Lotfi** and E. Firozian, (2004), "Application of Computers in Mathematics Education of Iran School", *Journal of Applied Mathematics,* Vol. 1, No. 3, pp. 17-35.

**2005**

1. G. R. Jahanshahloo, **Farhad Hosseinzadeh Lotfi**, N. Shoja and G. Tohidi, (2005), "Sensitivity and Stability Analysis in DEA", *Journal of the Operational Research Society,*56, pp. 342-345. (ISI)
2. G. R. Jahanshahloo ,**Farhad Hosseinzadeh Lotfi** and M. Zohrehbandian, (2005), "Notes On Sensitivity and Stability of the Classifications of Returns to Scale in Data Envelopment Analysis", *Journal of Productivity Analysis*, 23, pp. 309-313. (ISI)
3. G.R. Jahanshahloo ,A. Memariani, **Farhad Hosseinzadeh Lotfi** and N. Shoja, (2005), "A FeasibleInterval for Weights in Data Employment Analysis", *Applied Mathematics and Computation*, 160, pp. 155-168. (ISI)
4. G. R. Jahanshahloo, **Farhad Hosseinzadeh Lotfi** and M. Moradi, (2005), "A DEA Approach for Fair Allocation of Common Revenue", *Applied Mathematics and Computation*, 160, pp. 719-724. (ISI)
5. G.R.Jahanshahloo,**Farhad Hosseinzadeh Lotfi**, H. Zhiani Rezai and F. Rezri Balf, (2005), "Using Monte Carlo Method for Ranking Efficient DMUs", *Applied Mathematics and Computation*, 162, pp. 371-379.
6. R. Farzipoor Saeen, A. Memariani and **Farhad Hosseinzadeh Lotfi**, (2005), "The Effect of Correlation Coefficient Among Multiple Input Vectors on the Efficiency Mean in DEA", *Applied Mathematics and Computation*, 162, pp. 503-521. (ISI)
7. G. R. Jahanshahloo, **Farhad Hosseinzadeh Lotfi** and M. Zohrehbandian, (2005), "Finding the Piecewise Linear Frontier Production Function in DEA", *Applied Mathematics and Computation,* 163, pp. 483-488. (ISI)
8. R. Farzipoor Saeen, A. Memariani and **Farhad Hosseinzadeh Lotfi**, (2005), "Determining Relative Efficiency of Slightly Non-homogeneous Decision Making Units by DEA a Case Study in IROST", *Applied Mathematics and Computation*, 165, pp. 313-328. (ISI)
9. G. R. Jahanshahloo, A. Memariani, **Farhad Hosseinzadeh Lotfi** and H. Z. Rezai, (2005), "A Note on Some of DEA Models and Finding Efficiency and Complete Ranking Using Common Set of Weights", *Applied Mathematics and Computation*, 166, 2, pp. 265-281. (ISI)
10. G. R.Jahanshahloo, **Farhad Hosseinzadeh Lotfi**, N. Shoja, G. Tohidi and S. Razavyan, (2005), "The Identification of Nondominated and Efficient Paths on a Network", *Applied Mathematics and Computation*, 169, pp. 866-873. (ISI)
11. G. R.Jahanshahloo, **Farhad Hosseinzadeh Lotfi**, N. Shoja and G. Tohidi, (2005), "A Method For Generating All Efficient Solutions of 0-1 Multi -Objective Linear Programming Problem", *Applied Mathematics and Computation*, 169, pp. 874-886. (ISI)
12. G. R.Jahanshahloo,**Farhad Hosseinzadeh Lotfi**, N. Shoja, G. Tohidi and S. Razavyan, (2005), "A One-Model Approach to Classification and Sensitivity Analysis in DEA", *Applied Mathematics and Computation*, 169, pp. 887-896. (ISI)
13. G. R.Jahanshahloo, **Farhad Hosseinzadeh Lotfi**, N. Shoja, G. Tohidi and S. Razavyan, (2005), "Sensitivity of Efficiency Classifications in the Inverse DEA Moldels",*Applied Mathematics and Computation*, 169, PP. 905-916.
14. G. R. Jahanshahloo,**FarhadHosseinzadeh Lotfi**, N. Shoja, G. Tohidi and S. Razavyan, (2005), "Undesirable Inputs and Outputs in DEA Models",*Applied Mathematics and Computation*, 169, PP.917-925. (ISI)
15. G. R.Jahanshahloo,**Farhad Hosseinzadeh Lotfi** and M. Zohrehbandian, (2005), "Finding the Efficiency Score and RTS Characteristic of DMUs by Means of Ientifying the Efficient Frontier in DEA", *Applied Mathematics and Computation*, 170*,* pp. 985-993. (ISI)
16. **Farhad Hosseinzadeh Lotfi** ,G. R. Jahanshahloo, N. Shoja, G. Tohidi andS. Razavyan, (2005), "Using Inverse DEA Model for Improvement Efficiency and Estimating Outputs/Inputs and Extra Inputs of DMUs", *International Mathematics Journal*, Vol. 6, No. 1, pp. 7-20.
17. G. R.Jahanshahloo,**Farhad Hosseinzadeh Lotfi**, N. Shoja, G. Tohidi andS. Razavyan, (2005), "A Modified DEA Model for Classification and Sensitivity Analysis of DMUs", *International Mathematics Journal*, Vol.6, No. 1, pp. 21-30.
18. B. Daneshian, G. R. Jahanshahloo, **Farhad Hosseinzadeh Lotfi**, T. Allahviranloo and S. Mehrabian, (2005), "The Overall Assurance Interval for the Non-Archimedean Epsilon in DEA Model", *Mathematical and Computational Applications,* Vol. 10, No. 3, pp. 387-393. (ISI)
19. G. R.Jahanshahloo, **Farhad Hosseinzadeh Lotfi** and S. Sohraiee, (2005), "Suitability and Redundancy of Non-Homogeneous Weight Restriction in the BCC Model and Effect of Imposing of Non-Homogeneous Weight Restriction on PPS",  *Mathematical Scientific Journal,* Vol. 1, No. 2, pp. 5-25.
20. **Farhad Hosseinzadeh Lotfi** and S. Aghakhani, (2005), “The Evaluation of the Function of Teaching Mathematics in Countries in TIMS with Help of Data Covering Analysis",  *Mathematical Scientific Journal,* Vol. 1, No. 2, pp. 27-49.
21. G. R.Jahanshahloo, **Farhad Hosseinzadeh Lotfi**, F. Rezai Balf, M. A. Jahantighey and Sh. Abolghasemzadeh, (2005), "Application of Discriminate Analysis on Interval Data for Predicting of Conditional Students",  *Mathematical Scientific Journal,* Vol. 1, No. 3, pp. 9-14.
22. **Farhad Hosseinzadeh Lotfi**, G. R. Jahanshahloo, M. Rostamy-Malkhalifeh and R. Shahverdi, (2005), "Revenue Efficiency and Revenue Malmquist Productivity Index with Interval Data", *Mathematical Scientific Journal,* Vol. 1, No. 3, pp. 31-42.
23. G. R. Jahanshahloo, **Farhad Hosseinzadeh Lotfi**, A. Foroghi and F. Hamzezadeh, (2005), "Relation Between Definition of Efficient Didection", *Journal of Applied Mathematics,* Vol. 2, No. 5, pp. 1-6.

**2006**

1. G. R.Jahanshahloo, **Farhad Hosseinzadeh Lotfi**, and M. Izadikhah, (2006), "An Algorithmic Method to Extend TOPSIS for Decision Making Problems with Interval Data", *Applied Mathematics and Computation,* 175, pp. 1375-1384. (ISI)
2. G. R.Jahanshahloo, **Farhad Hosseinzadeh Lotfi**, and M. Izadikhah, (2006), "Extension of the TOPSIS Method for Decision–Making Problems with Fuzzy Data", *Applied Mathematics and Computation,* 181, PP. 1544-1551. (ISI)
3. G. R. Jahanshahloo,**Farhad Hosseinzadeh Lotfi** and S. Sahraiee, (2006), "Egoist's dilemma with Interval Data", *Applied Mathematics and Computation****,*** 183, pp. 94-105**.** (ISI)
4. A. Divandari, G. R. Jahanshahloo, **Farhad Hosseinzadeh Lotfi** and F. Rezai balf, (2006), "The Congestion Estimation of Personnel and Evaluation Amount of its Discretionary Outputs in Banks of Iran on Application of DEA", *International Mathematical Forum,* Vol. 1, No. 15, PP. 723-732.
5. **Farhad Hosseinzadeh Lotfi**, M. Navabakhsh, F. Rezai balf, M.A. Jahantighey and Sh. Abolghasemzadeh, (2006), "Application of Malmquist Productivity Index on Interval Data Education Groups", *International Mathematical Forum,* Vol. 1, No. 16, PP. 753-762.
6. M. Navabakhsh, G.R. Jahanshahloo, **Farhad Hosseinzadeh Lotfi** and Z. Taeb, (2006), "Revenue Malmquist Productivity Index And Application In Bank Branch", *Internation0al Mathematical Forum,* Vol. 1, No. 25, PP. 1233-1247.
7. G.R. Jahanshahloo, **Farhad Hosseinzadeh Lotfi** and H. Bagherzadeh Valami, (2006), "Malmquist Productivity Index with Interval and Fuzzy Data An Application of Data Envelopment Analysis", *International Mathematical Forum****,*** Vol. 1, No. 33, PP. 1607-1623.
8. A. Divandari, G. R. Jahanshahloo, **Farhad Hosseinzadeh Lotfi**, H. Nikoomaram and F. Rezai Balf, (2006), "O.R. Theory and it's Application, Multi-Component Commercial Bank Branch Progress and Regress: An Application of Data envelopment Analysis", *International Mathematical Forum****,*** Vol. 1, No. 33, PP. 1635-1644.
9. **Farhad Hosseinzadeh Lotfi**, G.R. Jahanshahloo and S. Razmian, (2006), "A Buyer-Seller Game Model for Selection and Negotiation of Purchasing Bids on Interval Data", *International Mathematical Forum****,*** Vol. 1, No. 33, PP. 1645-1657.

**2007**

1. G.R. Jahanshahloo,**Farhad Hosseinzadeh Lotfi**, H. Zhiani Rezai and F. Rezri Balf, (2007), "Finding Strong Defining Hyperplanes of Production Possibility Set", *European Journal of Operational Research*, 177, 2007, pp. 42-54. (ISI)
2. **Farhad Hosseinzadeh Lotfi**, G.R. Jahanshahloo, F. Rezai balf and H. Zhiani Rezai, (2007), ''Ranking of DMUs on Interval Data by DEA'', *International Mathematical Forum****,*** Vol. 2, No. 4, PP. 159-166.
3. **Farhad Hosseinzadeh Lotfi**, G. R. Jahanshahloo, M. Ahadzadeh Namin and Z. Iravani, (2007), ''A Generalized Model in Presence Undesirable Factors'', *International Mathematical Forum****,*** Vol. 2, No. 9, PP. 403-412.
4. **Farhad Hosseinzadeh Lotfi**, G.R. Jahanshahloo, M. Izadikhah and M. Esmaeili, (2007), ''Ranking DMUs with Interval Data Using Interval Super-Efficiency Index'', *International Mathematical Forum****,*** Vol. 2, No. 9, PP. 413-420.
5. B. Daneshian, **Farhad hosseinzadeh Lotfi** and H. Zhiani Rezai, (2007), "Internal Layers Method in Presence of Special Data Structure in DEA", *International Mathematical Forum*, Vol. 2, No. 9, pp. 421-427.
6. **Farhad Hosseinzadeh Lotfi** , M. Navabakhs, A. Tehranian and M. Rostamy-Malkhalifeh, R. Shahverdi, (2007), ''Ranking Bank Branches with Interval Data the Application of DEA'',  *International Mathematical Forum****,*** Vol. 2, No. 9, PP. 429-440.
7. **Farhad Hosseinzadeh Lotfi**, G.R. Jahanshahloo, R. Shahverdi and M. Rostamy- Malkhalifeh, (2007), "Cost Efficiency and Cost Malmquist Productivity Index with Interval Data", *International Mathimatical Forum,* Vol. 2, No. 9, PP. 441-453.
8. **Farhad Hosseinzadeh Lotfi**, G.R. Jahanshahloo, M. Esmaeili and M. Izadikhah, (2007), "Sensitivity Analysis of Efficient Units in Data Envelopment Analysis", *International Mathematical Forum,* Vol. 2, No. 29, pp. 1421-1429.
9. M. Navabakhsh, G.R. Jahanshahloo, **Farhad HosseinzadehLotfi**, T. Allahviranloo, F. Rezai balf and H. Zhiani Rezai, (2007), "Finding Suitable Benchmark for Inefficient Commercial Bank Branches, Application of DEA", *International Journal of Contemporary Mathematics Sciences,* Vol. 2, No. 4, PP. 183-193.
10. M. Navabakhsh, **Farhad Hosseinzadeh Lotfi**, T. Allahviranloo, F. Rezai balf and H. Zhiani Rezai, (2007), "The Output Estimation and Improvement of Efficiency on Interval Data in DEA", *International Journal of Contemporary Mathematics Sciences,* Vol. 2, No. 4, PP. 195-201.
11. G.R. Jahanshahloo,**Farhad Hosseinzadeh Lotfi**, M. Adabitabar Firuzja, T. Allahviranloo and E. Zahedy Alamdary, (2007), "Ranking DMUs with Fuzzy Data in DEA"*, International Journal of Contemporary Mathematics Sciences,* Vol. 2, No. 5, PP. 203-211.
12. G.R. Jahanshahloo, **Farhad Hosseinzadeh Lotfi**, F. Rezai Balf and P. Zamani, (2007), "Finding the Piecewise Linear Frontier Production Function in DEA with Interval Data", *International Journal of Contemporary Mathematics Sciences,* Vol. 2, No. 12, pp. 571-580.
13. **Farhad Hosseinzadeh Lotfi**, G.R. Jahanshahloo and D. Akbarian, (2007), "New Insights into Cost Malmquis Productivity Index", *International Journal of Contemporary Mathematics Sciences,* Vol. 2, No. 12, pp. 581-590.
14. J. Pakzad , **Farhad Hosseinzadeh Lotfi** and G.R. Jahanshahloo, (2007), "Assessment of New Towns Self Sufficiency Based on Work and Non-Work Trips by Mathematical Models", *International Journal of Contemporary Mathematics Sciences,* Vol. 2, No. 12, pp. 591-600.
15. **Farhad Hosseinzadeh Lotfi** , G.R. Jahanshahloo and M. Alimardani, (2007), "A New Approach for Efficiency Measures by Fuzzy Linear Programming and Application in Insurance Organization", *Applied Mathematical Sciences,* Vol. 1, No. 14, pp. 647-663.
16. G.R. Jahanshahloo, **Farhad Hosseinzadeh Lotfi**, H. Nikoomaram and M. Alimardani, (2007), "Using a Certain Linear Ranking Function to Measure the Malmquest Productivity Index with Fuzzy Data and Application in Insurance Organization", *Applied Mathematical Sciences,* Vol. 1, No. 14, pp. 665-680.
17. **Farhad Hosseinzadeh Lotfi**, G.R. Jahanshahloo and M. Esmaeili, (2007), "Classification of Decision Making Units with Interval Data Using SBM Model", *Applied Mathematical Sciences,* Vol. 1, No. 14, pp. 681-689.
18. **Farhad Hosseinzadeh Lotfi**, G. Tohidi and T. Soleimany, (2007), "Interval Network DEA", *Applied Mathematical Sciences,* Vol. 1, No. 15, pp. 697-710.
19. **Farhad. Hosseinzadeh Lotfi** and M. Vaez Ghasemi, (2007), "Malmquist Productivity Index on Interval Data in Telecommunication Firms, Application of Data Envelopment Analysis", *Applied Mathematical Sciences,* Vol. 1, No. 15, pp. 711-722.
20. **Farhad Hosseinzadeh Lotfi**, G.R. Jahanshahloo, F. Rezai balf and H. Zhiani Rezai, (2007), "Finding the Minimize Summation for Location of Facility in a Convex Set with Fuzzy Data", *Applied Mathematical Sciences,* Vol. 1, No. 16, pp. 749-759.
21. K.H. Azizi, **F. Hosseinzadeh Lotfi**, S. Saati and AR. Vahidi, (2007), "Ranking the Electricity Producer Companies in View of Manpower Efficiency by DEA", *Applied Mathematical Sciences,* Vol. 1, No. 16, pp. 761-768.
22. K.H. Azizi,**Farhad Hosseinzadeh Lotfi**, S. Saati and AR. Vahidi, (2007), "Manpower Efficiency in Electricity Producer Companies in the view of Economic Management; Some Approaches for Increment of Efficiency in Inefficient Companies by DEA", *International Journal of Mathematical Analysis,* Vol. 1, No. 5, pp. 229-236.
23. **Farhad Hosseinzadeh Lotfi**, G.R. Jahanshahloo and M. Esmaeili, (2007), "Non-Discretionary Factors and Imprecise Data in DEA", *International Journal of Mathematical Analysis,* Vol. 1, No. 5, pp. 237-246.
24. **Farhad Hosseinzadeh Lotfi**, G.R. Jahanshahloo and M. Esmaeili, (2007), "Classification of Returns to Scale Under Weight Restrictions", *International Journal of Mathematical Analysis,* Vol. 1, No. 5, 2007, pp. 247-255.
25. G.R.Jahanshahloo, HelcioViera Junior, **Farhad Hosseinzadeh Lotfi**, and D. Akbarian, (2007), "A new DEA Ranking System Based on Changing the Reference Set", *European Journal of Operational Research*, 181, pp.331-337. (ISI)
26. **Farhad Hosseinzadeh Lotfi**, G.R. Jahanshahloo, F. Rezai Balf and H. Zhiani Rezai, (2007), "Discriminate Analysis of Imprecise Data", *Applied Mathematical Sciences,* Vol. 1, No. 15, pp. 723-737.
27. T. Allahviranloo, **Farhad Hosseinzadeh Lotfi**and M. Adabitabar Firozja, (2007), ''Fuzzy Efficiency Measure with Fuzzy Production Possibility Set'', *Application and Applied Mathematics*, Vol.2, No. 2, pp. 152-166.
28. **Farhad Hosseinzadeh Lotfi**, G.R. Jahanshahloo, M. Ahadzadeh Namin and Z. Iravani, (2007), ''Undesirable Factors in Efficiency Evaluation whit Interval Data'', *International Mathematical Forum****,*** 2, No. 64, pp. 3155-3167.
29. **Hosseinzadeh Lotfi F.**, G.R. Jahanshahloo and M. Esmaeili, (2007), ''An Alternative Approach in the Estimation of Returns to scale Under Weight Restrictions'', *Applied Mathematics and Computation****,*** 189, pp. 719-724. (ISI)
30. **Fahad rHosseinzadeh Lotfi**, G.R. Jahanshahloo and M. Esmaeili, (2007), ''Sensitivity Analysis of Efficient Units in the Presence of Non-Discretionary Inputs'', *Applied Mathematics and Computation****,*** 190, pp. 1185-1197. (ISI)
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* **About 280 papers were presented in international conferences.**

**Books :**

Fundamental Mathematics(2008)

Data Envelopment Analysis and it's Applications(2008)

Statistics and Probability (2008)

Mathematical Models and Mathematical Modeling (2009)

Applications of Computer in Mathematics (2009)

Applications of Computer in Industrial Engineering (2009)

Engineering Statistics and Probability (2009)

Fourier and Partial Differential Equationand Solved Problems (2010)

Complex Functions and Solved Problems (2010)

Operation Research 1(2010)

GAMS (2010)

Financial Mathematics and Investment (2010)

Operation Research 2(2011)

# Imprecise Data Envelopment Analysis for Target Setting (2011)

Benchmarking (2012)

AHP/DEA(2012)

Linear Programming 1: Introduction (2012)

Principles Graph Theory (2013)

Preparing Article with LATEX (2015)

Data Envelopment Analysis with R(2019)

* **STUDENTS' DISSERTATION (As supervisor):**

|  |  |  |
| --- | --- | --- |
| NO. | Graduated Ph.D., Students | Year |
| 1 | Majed Zohrebandian | 2004 |
| 2 | Maasomeh Moradi | 2005 |
| 3 | Farzad Rezaei Balf | 2006 |
| 4 | Hamed Zhiani Rezaei | 2006 |
| 5 | Daryoush Akbarian | 2006 |
| 6 | Hadi Bagherzadeh | 2008 |
| 7 | Mahnaz Alimardani | 2008 |
| 8 | Sevan Sohraee | 2008 |
| 9 | Reza Shahverdi | 2008 |
| 10 | Zohreh Iravani | 2008 |
| 11 | Hanieh Nikoomaram | 2009 |
| 12 | Sanaz Ghazi | 2009 |
| 13 | Javad Gerami | 2010 |
| 14 | Reza Fallahnejhad | 2010 |
| 15 | Mohammad Reza Mozaffari | 2010 |
| 16 | Mahnaz Ahadzadeh | 2010 |
| 17 | Farhad Moradi | 2010 |
| 18 | Ali Payan | 2010 |
| 19 | Sara Fanati Rashidi | 2010 |
| 20 | Mansoreh Kazemimanesh | 2010 |
| 21 | Mohammad Reza Shahryari | 2011 |
| 22 | Maryam Reshadi | 2011 |
| 23 | Mahnaz Mirboloki | 2011 |
| 24 | Ali Ebrahimnejad | 2011 |
| 25 | Bijhan Rahmani Parchikolaee | 2011 |
| 26 | Mortaza Shafiee | 2011 |
| 27 | Hadi Shiroyehzad | 2011 |
| 28 | Mehrzad Navabakhsh | 2011 |
| 29 | Fatemeh Moradi | 2011 |
| 30 | Parichehr Zamani | 2011 |
| 31 | Sanaz Razmyan | 2011 |
| 32 | Nima Hashemi | 2012 |
| 33 | Hossein Didehkhani | 2012 |
| 34 | Hasti Borgheipour | 2012 |
| 35 | Hilda Saleh | 2012 |
| 36 | Shahnaz Mohammadi-Majd | 2012 |
| 37 | Kobra Gholami | 2012 |
| 38 | Nazila Aghaei | 2012 |
| 39 | Zahra Ghelejbeighi | 2012 |
| 40 | Hamideh Ranjbar | 2012 |
| 41 | Yaser Jafari | 2012 |
| 42 | Mansour Mohammadpour | 2012 |
| 43 | Reza Kargar | 2013 |
| 44 | Zohreh Taeb | 2013 |
| 45 | Hoda Jahanshahloo | 2013 |
| 46 | Zohreh Moghaddas | 2013 |
| 47 | Fereshteh Koshki | 2013 |
| 48 | Mohsen Vaez Ghasemi | 2014 |
| 49 | Sahar Khoshfetrat | 2014 |
| 50 | Elsa Shokrollahpour | 2014 |
| 51 | Ehsan Zanbouri | 2014 |
| 52 | Eskandar Abdollahi | 2014 |
| 53 | Masoumeh Hamzei | 2014 |
| 54 | Abbas Ghomashi Langroudi | 2014 |
| 55 | Amir Mohajeri | 2015 |