

Curriculum Vitae

July 31, 2024

PERSONAL INFORMATION:

- Name: Sahand
- Sure Name: Daneshvar
- Birthday: September 21, 1972
- Nationality: Iranian
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UNIVERSITY EDUCATION:

- Ph.D. (2002), “Facet Analysis in Data Envelopment Analysis”, Applied Mathematics (Operations Research), Islamic Azad University, Sciences and Research Branch, Tehran, Iran, GPA: A.
- M.A.Sc. (1996), “Estimation of Return to Scale Using Facet Analysis”, Applied Mathematics (Operations Research), Islamic Azad University Lahijan Branch, Iran, GPA: A.
- B.A.Sc. (1993), Pure Mathematics, Tabriz University, Tabriz, Iran, GPA:A

ACADEMIC EXPERIENCE:

2021-	Associate Professor, Department of Industrial Engineering, Eastern Mediterranean University, Famagusta (Gazimagusa), North Cyprus.
2012-2021	Assistant Professor, Department of Industrial Engineering, Eastern Mediterranean University, Famagusta (Gazimagusa), North Cyprus.
2011-2012	Assistant Professor (Part Time), Department of Industrial Engineering, Eastern Mediterranean University, Famagusta (Gazimagusa), North Cyprus.
2004-2011	Assistant Professor (Part Time), Department of Applied Mathematics, Islamic Azad University, Sarab Branch, Sarab, Iran.
2003-2019	Assistant Professor, Department of Applied Mathematic (Operations Research), Islamic Azad University, Tabriz Branch, Tabriz, Iran.
1997-2003	Assistant Professor (Part Time), Department of Applied Mathematics, Islamic Azad University, Tabriz Branch, Tabriz, Iran.

JOB EXPERIENCE:

- Member of Engineering Faculty Council, Eastern Mediterranean University, (2016-2018, 2019 to 2021), Famagusta (Gazimagusa), TRNC.
- Member of Undergraduate Committee in the Department of Industrial Engineering, Eastern Mediterranean University, (2019 to date), Famagusta (Gazimagusa), TRNC.
- Member of Graduation Committee in the Department of Industrial Engineering, Eastern Mediterranean University, (2012 to date), Famagusta (Gazimagusa), TRNC.
- Member of Undergraduate Committee in the Department of Industrial Engineering, Eastern Mediterranean University, (2019 to date), Famagusta (Gazimagusa), TRNC.
- Member of Library, Evet and Publication Committee in the Department of Industrial Engineering, Eastern Mediterranean University, (2019 to date), Famagusta (Gazimagusa), TRNC.
- Responsible for Organizing Qualifying Exam in Department of Industrial Engineering, Eastern Mediterranean University, (2013-2016), Famagusta (Gazimagusa), TRNC.
- Member of Research Council, Basic Science Faculty, Islamic Azad University Tabriz Branch, (2008 – 2013), Tabriz, Iran.
- Member of Research Council, Islamic Azad University, Sarab Branch, (2009 – 2012), Sarab, Iran.
- Member of Educational Specialized Council, Region 13, Islamic Azad University, (1995- 2012), Tabriz, Iran.
- Chair of Mathematics Department, Islamic Azad University, Tabriz Branch, (2009-2011), Tabriz, Iran.
- Member of Educational Specialized Council, Mathematic Department, Islamic Azad University Tabriz Branch (2003- 2016), Tabriz, Iran.
- Member and Vice-Chairman for the Committee of “Plan, Program and Budget”, Islamic Azad University, Osku Branch, (2009- 2010), Osku, Iran.
- Member of Executive Board of Academician recruitment of East Azarbaijan Province, Islamic Azad University, (2008-2011), Tehran, Iran.
- Vice-Rector of Education and Student Affairs, Islamic Azad University, Osku Branch, (2008- 2010), Osku, Iran.
- Dean of the Basic Science Faculty, Islamic Azad University, Tabriz Branch, (1993-1995), Tabriz, Iran.
- Chair of Statistic Department, Islamic Azad University, Tabriz Branch, (1993-1995), Tabriz, Iran.
- Member of Educational Specialized Council, Region 2, Islamic Azad University, (1993-1995), Tabriz, Iran.
- Member of Research Council, Mathematic Department, Islamic Azad University, Tabriz Branch, (1993-1995), Tabriz, Iran.

- Member of Educational Specialized Council, Islamic Azad University, Tabriz Branch, (1993-1995), Tabriz, Iran.
- Member of Research Council, Islamic Azad University, Tabriz Branch, (1993-1995), Tabriz, Iran.
- Member of Educational Specialized Council, Mathematic Department, Islamic Azad University, Tabriz Branch, (1993-1995), Tabriz, Iran.
- Instructor, Tabriz State Management University,(1991-1993), Tabriz, Iran
- Instructor, Azarbaijan Teaching Institute, (1991-1992), Tabriz, Iran
- Interior Management in Management & Development Journal, Research & Management Institute of Power Ministry, (1989-1991), Karaj, Iran.
- Research Expert, Research & Management Institute of Power Ministry, (1989-2015), Karaj, Iran.

SCIENTIFIC ACTIVITIES:

Teaching Experience

- Optimization Theory (10 semesters)
- Advanced Operations Research 1 and 2 (16 semesters)
- Network Flows (15 semesters)
- Advanced Linear Programming (12 semesters)
- Fuzzy Linear Programming (4 semesters)
- Linear Programming (8 semesters)
- Non-Linear Programming (5 semesters)
- Graph Theory (10 semesters)
- Fuzzy Sets (12 semesters)
- Fuzzy Management (4 semesters)
- Operations Research 1 and 2 (28 semesters)
- Modelling and optimization (25 semesters)
- Evaluation of Performance and Efficiency (DEA) (6 semesters)
- Linear Algebra (20 semesters)
- Fundamental of Computer (4 semesters)
- Fundamental of Internet (2 semesters)
- Engineering Mathematics (5 semesters)
- Data Structure (2 semesters)
- Discreet Mathematic (5 semesters)
- Differential Equation (8 semesters)
- Differential Equation Theory (2 semesters)
- Partial Differential Equation (2 semesters)
- Calculus 1,2, and 3 (20 semesters)
- Calculus in Management (4 semesters)
- Numerical Analysis 1,2 (4 semesters)
- ESP of Mathematics (3 semesters)
- Statistic (4 semesters)
- Topology (1 semesters)

- Probabilistic Models (14 semesters)
- Stochastic Processes and its Application (14 semesters)
- Advanced Quality Engineering (5 semesters)

Scientific Experience

- Reviewer of Sustainability from Jun 2021 up to now.
- Reviewer of Applied Soft Computing from Jun 2021 up to now.
- Reviewer of Neural Computing and Applications from 2015 up to now.
- Reviewer of Measurement from 2014 up to now.
- Reviewer of European Journal of Operation Research from 2014 up to now.
- Reviewer of Journal of Computer & Industrial Engineering from 2010 up to now.
Acknowledgment for Reviewers, (2010), Computer & Industrial Engineering, Vol 20(4), pages v-viii.
- Member of scientific Committee in 5th International Conference of Iranian Operation Research Society, Teacher Training University, Tabriz, Iran.
- Member of scientific Committee in 3th National Conference of Data Envelopment Analysis, Islamic Azad University Firoozkuh Branch, Firoozkuh, Iran.

PROJECTS:

Research Projects:

- “Modification on Fuzzy Cost Allocation Model in Data Envelopment Analysis”, Islamic Azad University, Tabriz Branch, Iran, (2015).
- “Productivity Cycle in Departments of Eastern Mediterranean University Using Data Envelopment Analysis”, Eastern Mediterranean University, (2012).
- “Crisis in Fuzzy Decision Making” Islamic Azad University, Tabriz Branch, Iran, (2011).
- “Topologic Index of Graphs” Islamic Azad University, Tabriz Branch, Iran, (2010).
- “Productivity Cycle in Departments of Science College in Islamic Azad University Tabriz Branch”, Islamic Azad University, Tabriz Branch, Iran, (2008).
- “Productivity Cycle in Bakhtar Regional Electric Company”, Research & Management Institute of Power Ministry, Tehran, Iran, (2005).
- “Productivity Cycle in Azarbaijan Regional Electric Company”, Research & Management Institute of Power Ministry, Tehran, Iran, (2004).
- “Productivity Cycle in Tehran Regional Electric Company”, Research & Management Institute of Power Ministry, Tehran, Iran, (2002).

Programming Projects:

- Programmer and Translator of Persian Version of MAPLE6, Islamic Azad University, Tabriz Branch, Iran.(2006)

- Programmer Productivity Software for Research & Management Institute of Power Ministry, Karaj, Iran.(2004)

JOURNAL PAPERS:

1. “*Weight-restricted approach on constant returns to scale DEA models: Efficiency of internet banking in Turkey*”, **Heliyon**, Vol.10. No.10, e31008, May 2024.
2. “*Aggregation of Risk Management and Non-Parametric Models to Rank Failure Modes of Radio Frequency Identification Systems*”, **Applied Sciences-Basel**, Vol. 14, No. 2, Article Number: 548, January 2024.
3. “*Benchmark Approach for Efficiency Improvement in Green Supply Chain Management with DEA Models*”, **Sustainability**, Vol. 15, No. 15, Article Number: 4433, March 2023.
4. “*A two-stage data envelopment analysis approach to productivity, efficiency and their sustainability in the hotel industry of Tunisia*”, **Quality& Quantity**, Vol. 57, pp: 955-972, April 2022.
5. “*Dual Efficiency and Productivity Analysis of Renewable Energy Alternatives of OECD Countries*”, **Sustainability**, Vol. 13, No. 13, Article Number: 7401, July 2021.
6. “*Target setting in data envelopment analysis: efficiency improvement models with predefined inputs/outputs*”, **OPSEARH**, Early Access: June 2020, Vol. 57, No. 4, pp: 1319-1334, December 2020.
7. “*New hybrid probabilistic optimisation algorithm for optimal allocation of energy storage systems considering correlated wind farms*”, **Journal of Energy Storage**, Vol. 29 No.101335 June 2020.
8. “*Application of fuzzy fault tree analysis based on modified fuzzy AHP and fuzzy TOPSIS for fire and explosion in the process industry*”, **International Journal of Occupational Safety and Ergonomics**, Vol. 26(2), pp. 319-335, April 2020.
9. “*Fuzzy smart failure modes and effects analysis to improve safety performance of system: Case study of an aircraft landing system*”, **Quality and Reliability Engineering International**, Vol. 36(3), pp.890-909, April 2020.
10. “*Transnational resource generativity: Efficiency analysis and target setting of water, energy, land, and food nexus for OECD countries*”, **Science of the Total Environment**, Vol. 697 Article Number. UNSP 134017, December 2019.
11. “*Modified variable return to scale back propagation neural network robust parameter optimization procedure for multi-quality processes*”, **Engineering Optimization**, Vol. 51(8), pp.1352-1369, August 2019.
12. “*An Estimation of the Efficiency and Productivity of Healthcare Systems in Sub-Saharan Africa: Health-Centred Millennium Development Goal-Based Evidence*”, **Social Indicators Research**, Vol. 143(1), pp. 371-389, May 2019.
13. “*Cost and Time Management Efficiency Assessment for Large Road Projects Using Data Envelopment Analysis*”, **Teknik Dergi**, Vol. 30 (2), pp.8937-8959 March 2019.

14. “Efficiency Analysis of Healthcare System in Lebanon Using Modified Data Envelopment Analysis”, **Journal of Healthcare Engineering**, Article Number: 2060138, July 2018.
15. “Evaluating efficiency and ranking of technical efficient and inefficient units”, **Annals of Optimization Theory and Practice**, Vol. 2 (2), pp. 1-9, June 2019.
16. “Integrated data envelopment-thermoexergetic optimization framework for multicomponent distillation system with multiexergetic response in the robust parameter design procedures”, **Energy Sources, Part A: Recovery, Utilization, and Environmental Effects**, Vol. 40 (12), pp. 1491-1507, May 2018.
17. “Estimating efficiency of Directive 2011/24/EU cross-border healthcare in member states”, **Journal of Comparative Effectiveness Research**, Vol.7(8) pp. 827-834, August 2018.
18. “An extension to Fuzzy Developed Failure Mode and Effects Analysis (FDFMEA) application for aircraft landing system”, **Safety Science**, Vol 98, pp. 113-123, 2017.
19. “Pessimistic Supply Chain Efficiency Evaluation”, **International Journal of Supply Chain Management**, Vol. 6 (3), pp. 181-187,2017.
20. “Comparative assessment of different categories of absorption heat transformers in water desalination process”, **Desalination**, Vol. 362, pp. 17-29, 2016.
21. “Modification Goal Programming Approach for Improving the Discrimination Power and Weights Dispersion”, **New Research in Mathematic**, Vol 1(3), pp. 1-14, Autumn 2015.
22. “Sensitivity Analysis on Modified Variable Returns to Scale Model in DEA Using Facet Analysis”, **Computer & Industrial Engineering**, Vol. 76, pp. 32-39, October 2014.
23. “Centralized Resource Allocation Model with Variable Return to Scale for Fuzzy Data”, **International Journal of Operational Research and Decision Science Studies**, Vol 1 (1), pp. 53-58, 2014.
24. “Cross Redundancy in the Modified Input Oriented Variable Return to Scale DEA Models”, **World Applied Science Journal**, Vol. 21, pp. 74-81, 2013.
25. “The Determine Iran Status about the Knowledge Based Economy in the Selected Countries with Use Data Envelopment Analysis”, **Productivity Management (Beyond Management)**, Vol. 6(22), pp.121-144, Fall 2012.
26. “Maximal Allocated Benefit and Minimal Allocated Cost and its Application”, **International Journal of Mathematical Modelling & Computations**, Vol. 02 (03) pp. 199-210, 2012.
27. “Analysing Financial Statement by Window Data Envelopment Analysis Model (Output Oriented BCC) Evidence from Iran”, **Journal of Basic and Applied Scientific Research**, Vol. 2(12), pp.12049-12055, 2012.
28. “Determining the Best Game Cross Efficiency with VRS for Fuzzy Data”, **Journal of Basic and Applied Scientific Research**, Vol. 2(11), pp.11904-11909, 2012.
29. “Topological Indices of Hypercubes”, **Journal of Basic and Applied Scientific Research**, Vol. 2(11), pp.11501-11505 **Journal of Basic and Applied Scientific Research**, Vol. 2(11), pp.11904-11909, 2012.
30. “Modification of Centralized Resource Allocation BCC Model Using Facet Analysis”, **Journal of Basic and Applied Scientific Research**, Vol. 2(6), pp.6182-6187, 2012.

31. “Analysing Financial Statement by Window Data Envelopment Analysis Model Evidence from Iran”, **Caspian Journal of Applied Sciences Research**, Vol. 1(10), pp.94-101, 2012.
32. “Egoist Dilemma with Fuzzy Data”, **African Journal of Mathematics and Computer Science Research**, Vol. 5(1), pp. 9-16, 9 January 2012.
33. “The Maximal Allocated Cost and Minimal Allocated Benefit for Interval Data”, **African Journal of Mathematics and Computer Science Research**, Vol. 5(7), pp 120-129, 9 April 2012.
34. “Cross Efficiency by Using Common Weights for Fuzzy Data”, **African Journal of Mathematics and Computer Science Research**, Vol. 5(3), pp. 48-54, 9 February 2012.
35. “Finding the Supporting Hyperplans of FDH Production Possibility Set”, **Journal of Science (Islamic Azad University) (JSIAU)**, Vol. 82(2), pp. 1-13, 2011.
36. “Efficiency of DMUs with Statistical Inputs and Outputs in Basic models of DEA”, **Journal of Applied Mathematics (Lahijan Branch)**, Under Review, 2011
37. “Improving Weak Efficiency Frontiers in the Fuzzy Data Envelopment Analysis Models”, **Journal of Applied Mathematical Modelling**, Vol. 35, Issue 1, 339-345 January 2011.
38. “The Minimal Cost – Benefit ratio for Interval Data”, **Beyond Management**, Vol.1, No 12, 24-32, Spring 2011.
39. “Computing the Optimal Solution of Technology Selection Model with Fuzzy Data”, **Beyond Management**, Vol.3, No 11, 57-76, Winter 2010.
40. “Presenting BCC-DEA Model to Determine the Economy Multi-Purpose Companies Using Fuzzy Data”, **Beyond Management**, Vol.3, No 10, 7-23, Autumn 2010.
41. “Computing the Set of Common Weights Using Facet Analysis”, **Journal of Applied Mathematics (Lahijan Branch)**, Vol. 7, No. 3, 53-43. 2010.
42. “The Modification of BCC Model Using Facet Analysis”, **Mathematic and Computer in Science and Engineering**, American Conference on Applied Mathematics, Harvard University, Cambridge, pp. 635-641, 2010.
43. “Determining Assurance Interval for Non-Archimedean Number ε in FDH Model”, **Journal of Applied Mathematics (Lahijan Branch)**, No 24, 1-12, Spring 2009.
44. “Facet Analysis on BCC Model in DEA using Artificial DMUs”, Proceeding of International Conference on Computer and Industrial Engineering (CIE39), Vol 1-3, 409-413, 2009.
45. “Determining Bounds on Weights by Strong Complementary Slackness Condition”, **Journal of Applied Mathematics (Lahijan Branch)**, Vol. 2, No. 7, 41-52 Winter 2006.
46. “Sensitivity Analysis of Extreme Efficient Decision Making Units in DEA”, **Journal of Interdisciplinary Mathematics**, Vol. 129, 1123-1134, 2002.
47. “Productivity Measuring System Based on Conjecture Relation Using Interpolation”, **Journal of Management & Developed**, Vol. 14, 17-27, 2002.

48. “*Modification of Variable Returns to Scale Models Using Facet Analysis*”, **Journal of Science (Islamic Azad University) (JSIAU)**, Vol. 29, 114-125, 1998.
49. “*Estimation of Returns to Scale Using DEA with an Empirical Study*”, **Journal of Science**, Vol. 14-18, 78-86, 1997.

CONFERENCE PAPERS:

1. “*Identifying Root Causes and Effects of RFID System Failures with Integration of AHP, DEMATEL, TOPSIS, DEA, and FMCEA*”, **EURO24: 33rd European conference on Operation Research**, Denmark Technical University, Copenhagen, Denmark, 30th June- 3rd July, 2024.
2. “*A four stages AHP-DEA based FMCEA method: ranking failure modes of radio frequency identification systems*”, **DEA45: International Conference on Data Envelopment Analysis**, Surrey Business School University of Surrey Guildford, United Kingdom September 4-6, 2023.
3. “*A second chance for failed projects using Data Envelopment Analysis based on project attractiveness factors*”, **DEA45: International Conference on Data Envelopment Analysis**, Surrey Business School University of Surrey Guildford, United Kingdom September 4-6, 2023.
4. “*A Benchmark Approach for Efficiency Improvement in Green Supply Chain Management with DEA Models*”, **XVII European Workshop on Efficiency and Productivity Analysis (EWEPA)**, Porto, June 27-29 2022.
5. “*A New Approach to Approximate the Productivity Function in Terms of Efficiency and Effectiveness*”, **XVII European Workshop on Efficiency and Productivity Analysis (EWEPA)**, Porto, June 27-29 2022.
6. “*Efficiency improvement direction in data envelopment analysis with predefined input/output target*”, **DEA40: International Conference on Data Envelopment Analysis**, Aston University, Birmingham, UK, 16-18 April, 2018.
7. “*Efficiency and Productivity Analysis of Surgical Departments by Modified Data Envelopment Analysis and Malmquist Index*” **The 15th International Conference on Data Envelopment Analysis**, Prague, Czech Republic, 26-29 June 2017.
8. “*Pessimistic Supply Chain Efficiency Evaluation*”, **Joint Conference on Industrial Engineering and Its Application Areas (CJCIE 2016)**, Turkey, Istanbul, 14-15 July 2016.
9. “*Computing Malmquist Index using Data Envelopment Analysis as an Improvement Measure for Educational Purposes*”, **The 13th International Conference on Data Envelopment Analysis (DEA2015)**, Germany, Braunschweig, Technische Universität Braunschweig, 24-27 August 2015.
10. “*An Analysis of Efficiency of Learning-teaching Performance Using Data Envelopment Analysis*”, **The 13th International Conference on Data Envelopment Analysis (DEA2015)**, Germany, Braunschweig, Technische Universität Braunschweig, 24-27 August 2015.
11. “*Modification of Allocating the Fixed Cost with Prioritization Using Facet Analysis*”, **Joint International Symposium of 44th Conference on Computer**

- and Industrial Engineering (CIE'44) and 9th Conference on Intelligent Manufacturing and Service Systems (IMSS'14), Turkey, Istanbul, 14-16 October 2014.
12. *"Modified Centralized Resource Allocation Model with Variable Return to Scale for Fuzzy Data"*. **The 12th International Conference on Data Envelopment Analysis (DEA2014)**, Malaysia, Kuala Lumpur, University of Malaya, 14-17 April 2014.
 13. *"Modification of Centralized Resource Allocation Model with Variable Return to Scale Using Assurance Region Method"*, **44th Iranian Mathematics Conference**, Ferdowsi University of Mashhad, Iran, 27-30 August 2013.
 14. *"Computing the Biennial Malmquist Index Using Modified Variable Returns to Scale DEA Model"*, **The 11th International Conference on Data Envelopment Analysis (DEA2013)**, Turkey, Samsun, 27-30 June 2013.
 15. *"Modified Cross Efficiency and its Application in Stock Exchange"*, **The 11th International Conference on Data Envelopment Analysis (DEA2013)**, Turkey, Samsun, 27-30 June 2013.
 16. *"Ranking All Units Based on Modified Constant Returns to Scale Data Envelopment Analysis Model"*, **The 11th International Conference on Data Envelopment Analysis (DEA2013)**, Turkey, Samsun, 27-30 June 2013.
 17. *"On the Use of Modified Data Envelopment Analysis Models for Product Line Selection"*, **The 11th International Conference on Data Envelopment Analysis (DEA2013)**, Turkey, Samsun, 27-30 June 2013.
 18. *"Selection of product Design Using Modified Data Envelopment Analysis Models"*, **The 11th International Conference on Data Envelopment Analysis (DEA2013)**, Turkey, Samsun, 27-30 June 2013.
 19. *"A modified data envelopment analysis method for priority determination in the analytic hierarchy process"*, **The 11th International Conference on Data Envelopment Analysis (DEA2013)**, Turkey, Samsun, 27-30 June 2013.
 20. *"Iran's Position in Knowledge Based Economy in Selected Countries Using Data Envelopment Analysis"*, **First International Conference on new Directions in Business Management Finance and Economics**, North Cyprus, Gazimagusa, EMU, 12-14 April 2013.
 21. *"Maximal Allocated Benefit and Minimal Allocated Cost and its Application in Stock Exchange of Tehran"*, **13th International Conference on Econometrics, Operation Research and Statistic**, Gazimagusa, North Cyprus, Eastern Mediterranean University, 24-26 May 2012.
 22. *"Using Modified DEA Models in Development of Group Malmquist Productivity Index in Non-Discretionary Factors"*, **10th International Conference on Data Envelopment Analysis**, Natal, Brazil, 27-30 August 2012.
 23. *"Classifying Inputs and Outputs Based on TOPSIS Method Using Modified DEA Model"*, **25th European Conference on Operational Research**, Vilnius, Lithuania, 8-11 July 2012.
 24. *"Complete Ranking of All Decision-Making Units Based on Variable Returns to Scale Model in Data Envelopment Analysis"*, **9th International Conference of**

- Industrial Engineering**, Khajeh- Nasir Toosi Technical University, Tehran, Iran, 20-21 January 2012.
25. “*The Minimal Allocated Cost and Maximal Allocated Benefit for Fuzzy Data*”, **9th International Conference on Data Envelopment Analysis**, Macedonia University, Thessaloniki, Greece, 25-29 August 2011.
 26. “*Sensitivity Analysis on Modified BCC Model Using Facet Analysis*”, **9th International Conference on Data Envelopment Analysis**, Macedonia University, Thessaloniki, Greece, 25-29 August 2011.
 27. “*Modification of Cross Efficiency Obtained by Common Weights Using Facet Analysis*”, **25th IFIP TC 7 Conference on System Modelling and Optimization**, Berlin, Germany, 12-16 September 2011.
 28. “*Modification of Wei & Yan Approach to Congestion by Facet Analysis*”, **42th Annual Iranian Mathematics Conference**, Vali-e-asr University, Rafsanjan, Iran, 8-11 August 2011.
 29. “*Modification of Allocating Fixed Cost with Prioritization Using Facet Analysis*”, **Third National Data Envelopment Analysis Conference**, Islamic Azad University Firoozkuh Branch, Firoozkuh, Iran, 20-21 July 2011. (with other 20 paper). <http://www.ciaufbac.ir/DEA90/>
 30. “*Simulation of DEA Efficiency Evaluation Using the Fuzzy-Nervous Induction System*”, **4th International Conference of Operations Research**, Guilan University, Rasht, Iran, 16-17 May 2011.
 31. “*Efficiency Evaluation in Parallel Production System Using Modified DEA Models*”, **41st International Iranian Mathematics Conference**, Urumiah University, Urumieh, Iran, 12-14 September 2010.
 32. “*Using Dispersion of Weights in Modified Data Envelopment Analysis Models*”, **41st International Iranian Mathematics Conference**, Urumiah University, Urumieh, Iran, 12-14 September 2010.
 33. “*The Maximal Allocated Cost and Minimal Allocated Benefit for Interval Data*”, **4th International Conference on Applied Mathematics, Simulation, Modelling (AMS’10)**, Corfu Island, Greece, 22-25 July 2010.
 34. “*The Minimal Allocated Cost and Maximal Allocated Benefit*”, **8th International Data Envelopment Analysis**, American University of Beirut, Beirut - Lebanon, 10-12 June 2010.
 35. “*Notion of MPSS in Inefficiency (LPSS)*” **The Second International Conference of Operations Research**, Mazandaran University, Babolsar, Iran, 20-22 May 2009. (with other 6 papers) <http://www.civilica.com/modules.php?name=PaperSearch>
 36. “*The Minimal Cost-Benefit Ratio and Maximal Benefit-Cost Ratio*”, **The Second International Conference on Engineering Systems Management & Applications**, American University of Sharjah, Sharjah, UAE, March 30 –April 1, 2010.
 37. “*Sensitivity Analysis on VRS Modified IDEA Model*” **Second National Data Envelopment Analysis Conference**, Islamic Azad University Rasht Branch, Iran, 4-5 Aug 2010. (with other 8 papers) www.iaurasht.ac.ir/DEA89

38. “*The Modification of BCC Model Using Facet Analysis*”, **American Conference on Applied Mathematics (AMERICAN-MATH '10)**, Harvard University Cambridge, USA, 27-29 January 2010.
39. “*Facet Analysis on BCC Model Using Artificial DMUs*”, **CIE39, International Conference on Computer & Industrial Engineering**, UTT, Troyes, France, 6-8 July, 2009.
40. “*Calculation Productivity Using Efficiency and Effectiveness with Interpolation*”, **First National Applied Mathematic Conference**, Islamic Azad University Lahijan Branch, Lahijan, Iran, 10-12 March 2007.
41. “*Sensitivity Analysis of Extreme Efficient Decision-Making Units in DEA*”, **Annual Operations Research and Management Conference**, India, Calcite, 2-3 January 2001.
42. “*Productivity of Cell Formation Using Data Envelopment Analysis*”, **Third National Productivity Conference**, Tehran, Iran, 23-24 May 1998.
43. “*Efficiency of Industrial Sector in Iran Using Data Envelopment Analysis*”, **29th Annual Iranian Mathematics Conference**, Amir Kabir University, Tehran, Iran, 28-31 March 1998
44. “*Facet Analysis on Variable Returns to Scale with an Empirical Study*”, **28th Annual Iranian Mathematics Conference**, Tabriz University, Tabriz, Iran, 28-31 March 1997
45. “*Facet Analysis on Constant Returns to Scale Models in DEA*”, **Annual International INFORMS Conference**, Montreal, Canada, 26-29 April 1998.
46. “*Facet Analysis on Variable Returns to Scale Models in DEA with an Empirical Study*”, **INFORMS & EUOR Conference**, Barcelona, Spain, 14-17 July 1997.

BOOKS:

- Pre-university Mathematic (First and Second Edition)
- Linear Algebra

Translated into Persian:

- Network Flow

GRADUATION STUDENT POROJECT SUPERVISION:

Ph. D.

1. **Mustapha Daruwana Ibrahim**, Efficiency improvement with target setting models in Data Envelopment Analysis: theory and applications, 2018, (EMU).
2. **Kehinde Adewale Adesina**, Modified Data Envelopment Analysis of Multiple Response Experiments in the Robust Parameter Design Procedure, 2018, (EMU).
3. **Esma Sedef Kara**, An Extension of Smart Failure Mode and Effect Analysis Application for Wind Turbines, 2022, (EMU).
4. **Farzad Zaare Tajabadi**, Developing Data Envelopment Analysis Model for Performance Evaluation of Green Supply Chain Management, 2023, (EMU).

5. **Khaoula Chnina**, Sub Failure Mode Integrated FMEA (Failure Modes and Effect Analysis) Method Using DEA (Data Envelopment Analysis), 2024 (EMU)

M.A.Sc.

1. **Kasra Ghorbani**, Optimizing the Logistics Costs of the Organization's Services, 2022, (EMU).
2. **Alvand Saket**, Inspect the Effects of Research and Development on performance of industries in OECD countries Data Envelopment Analysis - Malmquist Productivity Index approach, 2022, (EMU),
3. **Javid Piraliyev**, Effectiveness of Failure Mode and Effect Analysis Method: An Application in a Matters Factory, 2022, (EMU).
4. **Yagmur Ozcelebi**, Thesis on Measuring the Production Efficiency of Dairy Production in KOOP Factory in North Cyprus by Data Envelopment Analysis, 2021, (EMU).
5. **Ismail Oluwaseyi Opatokun**, Performance Efficiency of European Countries Healthcare System During the Pandemic (Covid-19) Using the Data Envelopment Analysis (DEA), 2021, (EMU).
6. **Seyed Davood Forghani**, Modification of Variable Returns to Scale Stochastic Data Envelopment Analysis (DEA) Models, 2021, (EMU).
7. **Milad Jelodar**, Applying Data Envelopment Analysis to Improve Performance of Emergency Departments in Iranian Hospitals: A Case Study, 2021, (EMU).
8. **Mahmoud A. Mohammad Isied**, Performance Efficiency of a Chemical Company Using DEA, 2020, (EMU).
9. **Milad Soufi**, An Integrated Shannon's Entropy- Promethee II Methodology for the Ranking Top Twenty Large SUVs in the USA Market, 2020, (EMU).
10. **Aliyu Madaki Aliyu**, Increasing the Performance Efficiency of Bread Bakery Company Using Data Envelopment Analysis (DEA), 2019, (EMU).
11. **Bello Tukur Gwarzo**, Environmental Efficiency Evaluation based on waste reduction for a chemical production company: An Application of Data Envelopment Analysis, 2019, (EMU).
12. **Asli Havva Fenerci**, Fuzzy FMEA Risk Analysis on Chemical Industry, 2019, (EMU).
13. **Khaoula Chnina**, Failure Modes and Effects Analysis (FMEA) Method Based on Data Envelopment Analysis (DEA) Approach for the Efficiency Measurement of Radio Frequency Identification (RFID), 2019, (EMU).
14. **Maryam Hachimi El Alaoui**, An Evaluation of Efficiency, Productivity and Sustainability of the Hotel Industry in Tunisia using a Two-stage DEA method, 2019, (EMU).
15. **Kasra Sajadi**, Performance Evaluation of Iranian Private Banks Using Data Envelopment Analysis (DEA), 2018, (EMU).
16. **Amir Reza Habibi**, Performance Evaluation of After Sale Service in Automotive Industry by Data Envelopment Analysis, 2018, (EMU).

17. **Yahya El Osman El Dandachi**, Application of AHP Method for Failure Modes and Effect Analysis (FMEA) in Aerospace Industry for Aircraft Landing system, 2017, (EMU).
18. **Zienab B. Mohamed Igwieli**, Incorporating Quality and Operational Factors in Ranking of Production Lines Using Data Envelopment Analysis, 2017, (EMU).
19. **Uzor Darlington Chibuzor**, Application of Modified Data Envelopment Analysis in Evaluating Operational Efficiency and Environmental Impacts, 2017, (EMU).
20. **Nura Ibrahim Hassan**, Modified Data Envelopment Analysis Model Based on Service Quality Concept for Vendor Selection, 2017, (EMU).
21. **Saba Ahmad**, Application of Data Envelopment Analysis by the Evaluation of Quality and Operational Factors, 2016, (EMU).
22. **Mustapha D. Ibrahim**, Modification of the Arash method using Facet Analysis, 2015, (EMU).
23. **M. Adamu Binyuy**, "Computing the Malmquist Index using Data Envelopment Analysis as Improvement Measure of Educational Purpose", 2015, (EMU).
24. **M. Alirezamohammadi**, "Ranking All Units in Data Envelopment Analysis", 2013, (EMU).
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- “*Productivity of Cell Formation Using Data Envelopment Analysis*”, **Third National Productivity Conference**, Tehran, Iran, 23-24 May 1998. This paper introduced as TOP ARTICLE.
- Ranked 6th in Nationwide Graduate Exam to Iranian Universities Applicants for M.Sc. in Mathematics, 1995

- Ranked Third in Nationwide Graduate Exam to Iranian Universities Applicants for Ph.D. in Mathematics, 1998.
- Graduated by First Rank in Ph.D., 2002.
- Top Supervisor Professor in Young Researcher Club, Islamic Azad University Tabriz Branch (**2 Times**), 2008 & 2009
- Top Researcher of Islamic Azad University Tabriz Branch, 2010.

SKILLS:

- Competent in Using MS. Office XP Software (Word, Excel, Power Point)
- Competent in Using Operational Research (OR) Software: GAMS, WinQSB, DEA-Solver, Decision Science (DS), PIM-DEA.
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