

## Assoc. Prof. BABEK ERDEBİLLİ

### Personal Information

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### Education Information

Doctorate, Gazi Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, Turkey 2004 - 2010

Post Graduate, Gazi Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, Turkey 2001 - 2004

Under Graduate, Shahed Üniversitesi, Uygulamalı Matematik , Iran 1991 - 1996

### Foreign Languages

Azerbaijani, C1 Advanced

Turkish, C1 Advanced

Persian, C1 Advanced

English, C1 Advanced

### Dissertations

Doctorate, ÇOK ÖLÇÜTLÜ KARAR VERME SÜRECİ İÇİN VZA-AAS SIRALI HİBRİT ALGORİTMASI VE BİR UYGULAMA, Gazi Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2010

Post Graduate, DEA/AHP sıralı metodu ile İran Amir Kabir Üniversitesi Fakültelerinin Etkinlik Ölçümü , Gazi Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2004

### Research Areas

Mathematics, Statistics, Natural Sciences, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Ankara Yıldırım Beyazıt University, Mühendislik ve Doğa Bilimleri Fakültesi, Endüstri Mühendisliği Bölümü, 2018 - Continues

Assistant Professor, Ankara Yıldırım Beyazıt University, Mühendislik ve Doğa Bilimleri Fakültesi, Endüstri Mühendisliği Bölümü, 2017 - 2018

Assistant Professor, Atılım University, Faculty Of Engineering, Department Of Industrial Engineering, 2008 - 2017

Lecturer, Atılım Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2008 - 2010

### Courses

OPERATION RESEARCH II, Under Graduate, 2017 - 2018  
LINEAR PROGRAMMING, Doctorate, 2017 - 2018  
ENGINEERING ECONOMICS, Under Graduate, 2017 - 2018  
LINEAR OPTIMIZATION, Doctorate, 2016 - 2017  
ENGINEERING ECONOMIC ANALYSIS, Under Graduate, 2016 - 2017

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **An AHP-IFT Integrated Model for Performance Evaluation of E-Commerce Web Sites**  
Rouyendegh B., Topuz K., Dag A., Oztekin A.  
Information Systems Frontiers, vol.21, is.6, pp.1345-1355, 2019 (Journal Indexed in SCI Expanded)
- II. **Measuring the efficiency of hospitals: a fully-ranking DEA-FAHP approach**  
Rouyendegh B., Oztekin A., Ekong J., Dag A.  
Annals of Operations Research, vol.278, pp.361-378, 2019 (Journal Indexed in SCI Expanded)
- III. **Intuitionistic Fuzzy TOPSIS method for green supplier selection problem**  
Rouyendegh B., YILDIZBAŞI A., Üstünyer P.  
Soft Computing, 2019 (Journal Indexed in SCI Expanded)
- IV. **Improved grasshopper optimization algorithm to solve energy consuming reduction of chiller loading**  
Wenhan X., Yuanxing W., Di Q., Daneshvar Rouyendegh B.  
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019 (Journal Indexed in SCI Expanded)
- V. **Multi-criteria decision making approach for evaluation of the performance of computer programming languages in higher education**  
Yildizbasi A., Rouyendegh B.  
Computer Applications in Engineering Education, vol.26, is.6, pp.1992-2001, 2018 (Journal Indexed in SCI Expanded)
- VI. **Developing an integrated ANP and intuitionistic fuzzy TOPSIS model for supplier selection**  
Rouyendegh B.  
Journal of Testing and Evaluation, vol.43, is.3, pp.664-672, 2015 (Journal Indexed in SCI Expanded)
- VII. **A literature review on MHE selection problem: Levels, contexts, and approaches**  
Saputro T. E. , Masudin I., Rouyendegh B.  
International Journal of Production Research, vol.53, is.17, pp.5139-5152, 2015 (Journal Indexed in SCI Expanded)
- VIII. **Developing an integrated ahp and intuitionistic fuzzytopsis methodology Razvoj integrirane AHP i intuicijske fuzzyTOPSIS metodologije**  
Rouyendegh B.  
Tehnicki Vjesnik, vol.21, is.6, pp.1313-1319, 2014 (Journal Indexed in SCI Expanded)
- IX. **Solving a mixed purchasing process problem in retail market: A pilot study in Turkey Rješavanje problema mješovitog postupka nabave na tržištu na malo: Ogledno istraživanje u turskoj**  
Erkan T. E. , Rouyendegh B., Salar M.  
Tehnicki Vjesnik, vol.21, is.2, pp.365-369, 2014 (Journal Indexed in SCI Expanded)
- X. **Sector selection for ERP implementation to achieve most impact on supply chain performance by using AHP-TOPSIS hybrid method Odabir sektora za primjenu ERP-a u cilju što boljeg djelovanja na učinak nabavnog lanca primjenom AHP-TOPSIS hibridne metode**  
Rouyendegh B., Baç U., Erkan T. E.  
Tehnicki Vjesnik, vol.21, is.5, pp.933-937, 2014 (Journal Indexed in SCI Expanded)
- XI. **On profust reliability of coherent systems: Signature-based expressions**  
Eryilmaz S., Rouyendegh B.  
Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, vol.227, is.2, pp.173-178, 2013 (Journal Indexed in SCI Expanded)
- XII. **An application of the Fuzzy ELECTRE method for academic staff selection**

- Rouyendegh B., Erkan T. E.  
Human Factors and Ergonomics In Manufacturing, vol.23, is.2, pp.107-115, 2013 (Journal Indexed in SCI Expanded)
- XIII. **Selection of academic staff using the fuzzy Analytic Hierarchy Process (FAHP): A pilot study Izbor akademskog osoblja primjenom neizrazitog analitičkog hijerarhijskog postupka (FAHP): Ogljedno istraživanje**  
Rouyendegh B., Erkan T. E.  
Tehnicki Vjesnik, vol.19, is.4, pp.923-929, 2012 (Journal Indexed in SCI Expanded)
- XIV. **Selecting the best project using the fuzzy ELECTRE method**  
Daneshvar Rouyendegh B., EROL S.  
Mathematical Problems in Engineering, vol.2012, 2012 (Journal Indexed in SCI Expanded)
- XV. **Evaluating projects based on intuitionistic fuzzy group decision making**  
Rouyendegh B.  
Journal of Applied Mathematics, vol.2012, 2012 (Journal Indexed in SCI Expanded)
- XVI. **The DEA and intuitionistic Fuzzy TOPSIS approach to departments' performances: A pilot study**  
Daneshvar Rouyendegh B.  
Journal of Applied Mathematics, vol.2011, 2011 (Journal Indexed in SCI Expanded)
- XVII. **Selecting the high - performing departments within universities applying the fuzzy MADM methods**  
Rouyendegh B.  
Scientific Research and Essays, vol.6, is.13, pp.2646-2654, 2011 (Journal Indexed in SCI Expanded)

## Articles Published in Other Journals

- I. **Evaluation of Usability According To The Digital Platforms In Turkey**  
ERASLAN E., ERDEBİLLİ B., Nacar E. N.  
Ergonomics, vol.2, is.1, pp.18-24, 2019 (Refereed Journals of Other Institutions)
- II. **A Comparison of Different Multi-Criteria Analyses for Electric Vehicle Charging Station Deployment**  
ERDEBİLLİ B., Dogru C. I. , aybirdi c. b.  
Communications in Mathematics and Applications, vol.10, is.1, pp.145-158, 2019 (Refereed Journals of Other Institutions)
- III. **Multi-area economic dispatching using improved grasshopper optimization algorithm**  
Zhang P., Ma W., Dong Y., ERDEBİLLİ B.  
Evolving Systems, 2019 (Refereed Journals of Other Institutions)
- IV. **The Intuitionistic Fuzzy ELECTRE model**  
Rouyendegh (Babek Erdebilli) B.  
International Journal of Management Science and Engineering Management, vol.13, is.2, pp.139-145, 2018 (Journal Indexed in ESCI)
- V. **Using Intuitionistic Fuzzy TOPSIS in Site Selection of Wind Power Plants in Turkey**  
Rouyendegh (B. Erdebilli) B., Yildizbasi A., Arikan U. Z. B.  
Advances in Fuzzy Systems, vol.2018, 2018 (Journal Indexed in ESCI)
- VI. **Development of decision support model for selecting a maintenance plan using a fuzzy MCDM approach: A theoretical framework**  
Abdulgader F. S. , EİD R., Rouyendegh (B Erdebilli) B.  
Applied Computational Intelligence and Soft Computing, vol.2018, 2018 (Refereed Journals of Other Institutions)
- VII. **A MCDM approach for supplier selection process: A pilot study from Iran**  
ERDEBİLLİ B., Gholamrezanezhad F.  
Marketing and Branding Research, 2017 (Refereed Journals of Other Institutions)
- VIII. **A hybrid approach for selecting material handling equipment in a warehouse**  
Saputro T. E. , Rouyendegh Babek Erdebilli B.  
International Journal of Management Science and Engineering Management, vol.11, is.1, pp.34-48, 2016 (Journal

## Books & Book Chapters

- I. **IMPROVING AN INTEGRATED INTUITIONISTIC FUZZY ELECTRE DEA METHODOLOGY**  
ERDEBİLLİ B.  
in: Recent Applications of Data Envelopment Analysis, Ali Emrouznejad, Josef Jablonský, Rajiv Banker and Mehdi Toloo, Editor, University of Economics, Prague, Czech, prague, pp.141-146, 2017
- II. **IMPROVING AN INTEGRATED INTUITIONISTIC FUZZY ELECTRE DEAMETHODOLOGY**  
ERDEBİLLİ B.  
in: Advanced Business Analytics, Fausto Pedro García Márquez, Benjamin Lev, Editor, Springer International Publishing, pp.181-194, 2015

## Refereed Congress / Symposium Publications in Proceedings

- I. **Adapting the Analytic Hierarchy Process (AHP) to a Cancer Research Project: An Example of Interdisciplinary Work.**  
KAYHAN H., ERDEBİLLİ B.  
5 th INTERNATIONAL SYMPOSIUM ON MULTIDISCIPLINARY STUDIES (ISMS), Ankara, Turkey, 16 - 17 November 2018, pp.660-661
- II. **A STRATEGIC PARTNERSHIP FRAMEWORK USING FUZZY MULTI CRITERIA DECISION MAKING TECHNIQUES: A CASE STUDY IN DEFENSE INDUSTRY**  
Ceylan A., ERDEBİLLİ B.  
12th International Conferences on New Challenges in International NCM Conference: New Challenges in Industrial Engineering and Operations Management, 11 - 12 September 2018
- III. **Critical Success Factors in Organizational Culture**  
YILDIZBAŞI A., ÇAĞLAYAN N., ERDEBİLLİ B.  
12th International Conferences on New Challenges in International NCM Conference: New Challenges in Industrial Engineering and Operations Management, 11 - 12 September 2018
- IV. **A MULTI CRITERIA DECISION MAKING MODEL FOR SOLVING ACADEMICSTAFF SELECTION PROBLEM: A CASE STUDY FROM TURKEY**  
ERDEBİLLİ B., YILDIZ M., POLADOVA A.  
12th International Conferences on New Challenges in International NCM Conference: New Challenges in Industrial Engineering and Operations Management, 11 - 12 September 2018
- V. **Online meal ordering around university campus area: a plot study**  
ERDEBİLLİ B., Memiş R., Mousavi R.  
12th International Conferences on New Challenges in International NCM Conference: New Challenges in Industrial Engineering and Operations Management, 11 - 12 September 2018
- VI. **A TOPSIS with Intuitionistic Fuzzy Sets and DEA Approach to Evaluate Retail Industry Performance Ability**  
ERDEBİLLİ B., YILDIZBAŞI A., ÖZTÜRK M.  
DEA40: International Conference of Data Envelopment Analysis, United Kingdom, 16 - 18 April 2018, pp.23-27
- VII. **An Intuitionistic fuzzy TOPSIS and DEA approach to evaluate retail sector performance**  
YILDIZBAŞI A., ERDEBİLLİ B., Öztürk M.  
DEA40: International Conference on Data Envelopment Analysis, 16 - 18 April 2018
- VIII. **Performance evaluation of green supplier selection problem using DEA intuitionistic fuzzy MCDM method**  
YILDIZBAŞI A., ERDEBİLLİ B.  
Data Envelopment Analysis International Conference (DEAIC 2018), 13 - 17 July 2018

- IX. IMPROVING AN INTEGRATED INTUITIONISTIC FUZZY ELECTRE DEA METHODOLOGY**  
ERDEBİLLİ B.  
DEA 2017, Prague, Czech Republic, 26 July - 31 December 2017, pp.141-146
- X. The Optimization of PID Controller for Dc-Motor by Using The Modified Particle Swarm Optimization**  
Ali A., Ali A., ERDEBİLLİ B.  
ICAMT 2017, 25 - 27 October 2017
- XI. AHP Approach for Selecting Enterprise Resource Planning (ERP)**  
DEMİRKOL D., ERDEBİLLİ B.  
New Challenges in Management and Business, 11 - 13 February 2017
- XII. Warehouse Selection based on Fuzzy ELECTRE**  
ERDEBİLLİ B.  
ECCO XXVIII Conference, European Chapter on Combinatorial Optimization, Italy, 28 - 31 May 2015
- XIII. An Integrated IFELECTRE Model**  
ERDEBİLLİ B.  
XIII International Conference on Management and Industrial Engineering (ICMIE 2015), France, 23 January - 24 May 2015
- XIV. A hybrid intuitionistic MCDM model for supplier selection**  
Rouyendegh B.  
5th International Conference on Agents and Artificial Intelligence, ICAART 2013, Barcelona, Spain, 15 - 18 February 2013, vol.2, pp.519-522
- XV. Selection of working area for industrial engineering students**  
Rouyendegh B., Can G. F.  
2nd World Conference on Learning, Teaching and Educational Leadership, WCLTA-2011, İstanbul, Turkey, 28 - 30 October 2011, vol.31, pp.15-19
- XVI. Increasing creativity with unusual designs**  
Ergin M. H. , Rouyendegh B.  
2nd World Conference on Learning, Teaching and Educational Leadership, WCLTA-2011, İstanbul, Turkey, 28 - 30 October 2011, vol.31, pp.20-24
- XVII. Improving the creativity in introductory engineering course applying fuzzy network process: A pilot study**  
Rouyendegh B., Ergin M. H. , Salar M.  
World Conference on Educational Technology Researches, WCETR-2011, Nicosia/Kyrenia, Cyprus (Gkry), 5 - 09 July 2011, vol.28, pp.139-143
- XVIII. MBA Students' preference on: Online, formal and hybrid MBA programs**  
Rouyendegh B., Erkan T. E.  
World Conference on Educational Technology Researches, WCETR-2011, Nicosia/Kyrenia, Cyprus (Gkry), 5 - 09 July 2011, vol.28, pp.770-775

## Activities in Scientific Journals

Journal of Turkish Operations Management (JTOM), First Editor, 2017 - Continues

## Citations

Total Citations (WOS):8

h-index (WOS):2