

## ÖZGEÇMİŞ

1. **Adı Soyadı:** Zeki Ayağ
2. **Doğum Tarihi:** 17 Eylül 1967
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5. **Öğrenim Durumu:**

Derece	Alan	Üniversite	Yıl
Lisans	Endüstri Mühendisliği	İstanbul Teknik Üniversitesi	1989
Y. Lisans	Endüstri Mühendisliği	İstanbul Teknik Üniversitesi	1991
Doktora	Endüstri Mühendisliği	İstanbul Teknik Üniversitesi	2003

### 6. Akademik Unvanlar:

Prof.Dr.	Kadir Has Üniversitesi	2016-halen
Doç.Dr.	Kadir Has Üniversitesi	2009-2016
Yard.Doç.Dr.	Kadir Has Üniversitesi	2005-2009
Yard.Doç.Dr.	İstanbul Kültür Üniversitesi	2003-2005
Ar. Gör.	İstanbul Teknik Üniversitesi	1989-1993

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### 7. İş Deneyimi:

Tasarım Mühendisi	Magna International, Inc. (Kanada)	2000-2003
Tasarım Mühendisi	Mold-Masters Ltd. (Kanada)	1998-2000
Konstrüksiyon Büro Şefi	Makine Takım Endüstrisi A.Ş.	1995-1998
Kalite Güvence Mühendisi	Pimaş A.Ş.	1993-1995

\* Kayıtlı Profesyonel Mühendis (P.Eng.)-Ontario Profesyonel Mühendisler Birliği (2001-halen)

### 8. Yönetilen Yüksek Lisans ve Doktora Tezleri

#### 8.1 Yüksek Lisans Tezleri

- 8.1.1 Sinem Gürel, "A fuzzy ANP approach to financial performance analysis of airlines companies", Kadir Has Üniversitesi, 2013.
- 8.1.2 Özlenen Şentürk, "Six sigma project evaluation under fuzziness in food industry", Kadir Has Üniversitesi, 2013.
- 8.1.3 Nazmiye Yağmur Aslan, "Minimizing the defect rate using six sigma DMAIC method: A case study in Supsan A.S.", Kadir Has Üniversitesi 2016.
- 8.1.4 Mehmet Özhan Demirhan, "Designing of an enterprise innovation system for companies", Kadir Has Üniversitesi, 2018.

#### 8.2 Doktora Tezleri

- 8.2.1 Bilal Oday Saeed, "Cost reduction through lean principles in solar energy management: A case of İstanbul", Kadir Has Üniversitesi, 2021 (beklenen).

## 9. Yayınlar

### 9.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI & SCI-E)

- 9.1.1** Ayağ, Z. (2002) "An analytic-hierarchy-process based simulation model for implementation and analysis of computer-aided systems", *International Journal of Production Research*, Vol.40, No.13, 3053-3073.
- 9.1.2** Ayağ, Z. (2005) "An integrated approach to evaluating conceptual design alternatives in a new product development environment ", *International Journal of Production Research*, Vol.43, No.4, 687-713.
- 9.1.3** Ayağ, Z. (2005) "A fuzzy AHP-based simulation approach to concept evaluation in a NPD environment ", *IIE Transactions*, Vol.37, No.9, 827-842.
- 9.1.4** Ayağ, Z., Özdemir, R.G. (2006) "A fuzzy AHP approach to evaluating machine tool alternatives ", *Journal of Intelligent Manufacturing*, Vol.17, No.2, 179-190.
- 9.1.5** Ayağ, Z., Özdemir, R.G. (2007) "An intelligent approach to ERP software selection through fuzzy ANP", *International Journal of Production Research*, Vol.45, No.10, 2169-2194.
- 9.1.6** Ayağ, Z. (2007) "A hybrid approach to machine tool selection through AHP and simulation ", *International Journal of Production Research*, Vol.45, No.9, 2029-2050.
- 9.1.7** Ayağ, Z., Özdemir, R.G. (2007) "An analytic hierarchy process-based approach to concept evaluation in a new product development environment", *Journal of Engineering Design*, Vol.18, No.3, 209-226.
- 9.1.8** Ayağ, Z., Özdemir, R.G. (2007) "A combined fuzzy AHP-goal programming approach to assembly-line selection ", *Journal of Intelligent and Fuzzy Systems*, Vol.18, No.4, 345-362.
- 9.1.9** Ayağ, Z., Özdemir, R.G. (2009) "A hybrid approach to concept selection through fuzzy analytic network process", *Computers and Industrial Engineering*, Vol.56, No.1, 368-379.
- 9.1.10** Ayağ, Z. (2010) "A combined fuzzy AHP-simulation approach to CAD software selection", *International Journal of General Systems*, Vol.39, No.7, 731-756.
- 9.1.11** Özdemir, R.G., Ayağ, Z. (2011) "An integrated approach to evaluating assembly-line design alternatives with equipment selection ", *Production Planning and Control*, Vol.22, No.2, 194-206.
- 9.1.12** Ayağ, Z., Özdemir, R.G. (2011) "An intelligent approach to machine tool selection through fuzzy analytic network process", *Journal of Intelligent Manufacturing*, Vol.22, No.2, 163-177.
- 9.1.13** Ayağ, Z., Özdemir, R.G. (2012) "Evaluating machine tool alternatives through modified TOPSIS and alpha-cut based fuzzy ANP", *International Journal of Production Economics*, Vol.140, 630-636.
- 9.1.14** Ayağ, Z., Samanlıoğlu, F., Büyüközkan, G. (2013) "A fuzzy QFD approach to determine supply chain management strategies in the dairy industry", *Journal of Intelligent Manufacturing*, Vol.24, No.6, 1111-1122.
- 9.1.15** Samanlıoğlu, F., Ayağ, Z. (2016) "A fuzzy ANP-based PROMETHEE II approach for machine tool selection problem", *Journal of Intelligent and Fuzzy Systems*, Vol.30, No.4, 2223-2235.
- 9.1.16** Ayağ, Z., Samanlıoğlu, F. (2016) "An intelligent approach to supplier evaluation in automotive sector", *Journal of Intelligent Manufacturing*, Vol.27, No.4, 889-903.
- 9.1.17** Ayağ, Z. (2016) "An integrated approach to concept evaluation in a new product development", *Journal of Intelligent Manufacturing*, Vol.27, No.5, 991-1005.

- 9.1.18** Samanlıoğlu, F., Ayağ, Z. (2017) "A fuzzy AHP-PROMETHEE II approach to evaluation of solar power plant location alternatives, *Journal of Intelligent and Fuzzy Systems*, Vol.33, No.2, 859-871.
- 9.1.19** Ayağ, Z., Samanlıoğlu, F. (2018) "A fuzzy AHP-VIKOR approach for evaluation of educational use simulation software packages", *Journal of Intelligent and Fuzzy Systems* [Kabul Edildi]

## **9.2 Uluslararası diğer hakemli dergilerde yayınlanan makaleler**

- 9.2.1** Ayağ, Z. (2014) "An intelligent approach to prioritize logistics requirements in food industry", *International Journal of Supply Chain Management*, Vol.3, No.4, 29-38.
- 9.2.2** Ayağ, Z. (2014) "A fuzzy analytic hierarchy process to evaluate computer-aided manufacturing software alternatives", *Turkish Journal of Fuzzy Systems*, Vol.5, No.2, 114-127.
- 9.2.3** Ayağ, Z. (2015) "CAD software evaluation for product design to exchange data in a supply chain network", *International Journal of Supply Chain Management*, Vol.4, No.1, 30-38.
- 9.2.4** Ayağ, Z. (2015) "An intelligent approach to employee performance evaluation", *International Journal of Fuzzy Systems and Advanced Applications*, Vol.2, 24-32.
- 9.2.5** Ayağ, Z. (2015) "A fuzzy ANP approach to evaluate computer simulation packages", *International Journal of Business and Systems Research*, Vol.10, No.2/3/4, 332-245.
- 9.2.6** Ayağ, Z., Yücekaya, A. (2018) "A fuzzy ANP-Based GRA approach to evaluate ERP alternatives", *International Journal of Enterprise Information Systems*, Vol.15, No.1, 45-68.
- 9.2.7** Ayağ, Z. (2019) "Green concept evaluation through fuzzy AHP-PROMETHEE", *International Journal of Business and Management* [Kabul Edildi].

## **9.3 Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (Proceedings) basılan bildiriler**

- 9.3.1** Ayağ, Z. (2004) "An approach to evaluating machine tool alternatives using simulation and AHP ", The 4th International Symposium on Intelligent Manufacturing Systems (SAU'04), 6-8 Eylül, Sakarya Üniversitesi, Sakarya, Türkiye.
- 9.3.2** İnce O., Ayağ, Z., Özdemir, R.G. (2005) "A simulation approach to minimizing total cost in the supply chain ", *The 3rd International Logistics and Supply Chain Congress*, 23-24 Kasım, Galatasaray Üniversitesi, İstanbul, Türkiye.
- 9.3.3** Ayağ, Z., Özdemir, R.G., Yelken, B. (2005) "An effective implementation of an enterprise resource planning (ERP) system with an assessment in a Turkish firm ", *The 3rd International Logistics and Supply Chain Congress*, 23-24 Kasım, Galatasaray Üniversitesi, İstanbul, Türkiye.
- 9.3.4** Özdemir, R.G., Ayağ, Z. (2007) "An integrated approach to assembly-line selection", *IX. International Symposium on Analytic Hierarchy Process (ISAHP'2007)*, 3-6 Ağustos, Viña del Mar, Şili.
- 9.6.5** Özdemir, R.G., Ayağ, Z. (2008) "Equipment selection in an assembly-line design through fuzzy replacement analysis and analytic network process", *XV. International Working Seminar on Production Economics (IWSPE'08)*, 3-7 Mart, Innsbruck, Avusturya.
- 9.3.6** Samanlıoğlu, F., Ayağ, Z. (2009) "A cross-docking model with soft time windows ", *IIE Annual Conference and Expo 2009 (IERC'09)*, 30 Mayıs-3 Haziran, Miami, ABD.

- 9.3.7** Ayağ, Z., Samanlıoğlu, F. (2009) "Concept selection in a NPD environment through AHP/ANP: A comparative study ", *IIE Annual Conference and Expo 2009 (IERC'09)*, 30 Mayıs-3 Haziran, Miami, ABD.
- 9.3.8** Ayağ, Z., Büyüközkan, G., Samanlıoğlu, F. (2009) "A fuzzy QFD approach to determine logistics requirements in food industry", *VII. International Logistics and Supply Chain Congress (LM-SCM'09)*, 5-6 Kasım, İstanbul, Türkiye.
- 9.3.9** Ayağ, Z., Özdemir, R.G. (2009) "Fuzzy ANP-based modified TOPSIS for concept selection problem", *I. International Fuzzy Systems Symposium (FUZZSS'09)*, TOBB University of Economics and Technology, 1-2 Ekim, Ankara, Türkiye.
- 9.3.10** Ayağ, Z., Samanlıoğlu, F., (2010) "Analytic Network Process (ANP) for solar power plant location problem", *IIE Annual Conference and Expo 2010 (IERC'10)*, 5-9 Haziran, Cancun, Meksika.
- 9.3.11** Samanlıoğlu, F., Ayağ, Z. (2010) "Determining master schedule of surgical operations by integer programming: A case study", *IIE Annual Conference and Expo 2010 (IERC'10)*, 5-9 Haziran, Cancun, Meksika.
- 9.3.12** Özdemir, R.G., Ayağ, Z. (2010) "Fuzzy ANP-based modified TOPSIS for machine tool selection problem", *XVI. International Working Seminar on Production Economics (IWSPE'10)*, 1-5 Mart, Innsbruck, Avusturya.
- 9.3.13** Ayağ, Z., Samanlıoğlu, F., Yücekaya, A. (2010) "Fuzzy analytic network process approach to shopping center location selection problem", *VIII. International Logistics and Supply Chain Congress (LM-SCM'10)*, 4-5 Kasım, Maltepe Üniversitesi, İstanbul, Türkiye.
- 9.3.14** Yucekaya, A., Ayağ, Z., Samanlıoğlu, F. (2010) "Economic evaluation of wind power investments through multi-year simulation and operational constraints", *The 2nd International Conference on Nuclear and Renewable Energy Resources (NURER'10)*, 4-7 Temmuz, Gazi Üniversitesi, Ankara, Türkiye.
- 9.3.15** Ayağ, Z. (2011) "Evaluating simulation software alternatives through ANP", *The 2th International Conference on Industrial Engineering and Operations Management (IEOM'11)*, 22-24 Ocak, Kuala Lumpur, Malezya.
- 9.3.16** Ayağ, Z., Yücekaya, A. (2011) "Alpha-cut fuzzy analytic network process based approach to evaluate simulation software packages", *The 11th International Symposium on the Analytic Hierarchy Process and Analytic Network Process (ISAHP'11)*, 15-18 Haziran, Sorrento, Napoli, İtalya.
- 9.3.17** Yücekaya, A., Ayağ, Z. (2011) "Cost and SO2 minimizing coal resource selection for power plants", *The 21st International Conference on Multiple Criteria Decision Making (MCDM'11)*, 13-17 Haziran, Jyvaskyla, Finlandiya.
- 9.3.18** Samanlıoğlu, F., Ayağ, Z., Yücekaya, A., Kılıç, A., Balkuvar, İ., Çıkrıkçı, Z. (2011) "A mathematical model for ambulance location and deployment", *The 3rd International Conference on Applied Operational Research (ICAOR'11)*, 24-27 Ağustos, Bahcesehir Üniversitesi, İstanbul, Türkiye.
- 9.3.19** Yücekaya, A., Ayağ, Z., Samanlıoğlu, F. (2011) "Price taker bidding for power plants in Turkish Power Market", *The 3rd International Conference on Applied Operational Research (ICAOR'11)*, 24-27 Ağustos, Bahcesehir Üniversitesi, İstanbul, Türkiye.
- 9.3.20** Samanlıoğlu, F., Ayağ, Z., Yücekaya, A., Elibol, D., Depe, İ., Özdemir, G., Davarcı, C.E. (2011) "A location-routing model for regional blood banks", *IX. International Logistics and Supply Chain Congress (LM-SCM'11)*, 27-29 Ekim, Yaşar Üniversitesi, İzmir, Türkiye.
- 9.3.21** Yücekaya, A., Ayağ, Z., Samanlıoğlu, F. (2011) "Evaluating the energy dependency of Balkan countries and the effect of the natural gas

- pipelines", *International Balkan Annual Conference (IBAC'11)*, 9-13 Mayıs, Skopje, Makedonya.
- 9.3.22** Ayağ, Z., Samanlıoğlu, F., Yücekaya, A. (2011) "Concept evaluation in a NPD environment: An integrated approach", *The 2nd International Fuzzy Systems Symposium (FUZZYSS'11)*, 17-18 Kasım, Ankara, Türkiye.
- 9.3.23** Samanlıoğlu, F., Ayağ, Z., Yücekaya, A. (2012) "A fuzzy TOPSIS Approach for nuclear power plant site selection", *The 3rd Annual Conference of the European Decision Sciences Institute (EDSI'12)*, 24-27 Haziran, İstanbul, Türkiye.
- 9.3.24** Samanlıoğlu, F., Yücekaya, A., Ayağ, Z. (2012) "A network model for location-routing decisions of a logistics company", *ISERC Annual Conference and Expo 2012 (ISERC'12)*, 19-23 Haziran, Florida, ABD.
- 9.3.25** Ayağ, Z., Samanlıoğlu, F., Yücekaya, A. (2012) "Intelligent approach to simulation software evaluation", *The 3rd International Conference on Industrial Engineering and Operations Management (IEOM'12)*, 3-6 Temmuz, İstanbul, Türkiye.
- 9.3.26** Ayağ, Z. (2012) "Concept evaluation through multiple-criteria decision making methods: An evaluation and new approaches", *The 8th International DAAAM Baltic Conference (DAAAM'12)*, 19-21 Nisan, Tallinn, Estonya.
- 9.3.27** Özdemir, R.G., Ayağ, Z. (2012) "A two stage approach for distribution network design problem in cosmetic and cleaning industry", *The 25th European Conference on Operational Research (Euro'12)*, 8-11 Temmuz, Vilnius, Litvanya.
- 9.3.28** Ayağ, Z., Özdemir, R.G. (2012) "CAD software selection through fuzzy AHP", *The 5th International Mechanical Engineering Forum*, 20-22 Haziran, Prag, Çek Cumhuriyeti.
- 9.3.29** Yucekaya, A., Samanlıoğlu, F., Ayağ, Z. (2012) "Compressed air energy storage systems: Current, future and operational analysis", *The 5th International Mechanical Engineering Forum*, 20-22 Haziran, Prag, Çek Cumhuriyeti.
- 9.3.30** Yücekeya, A., Ayağ, Z., Samanlıoğlu, F. (2012) "Option pricing for electricity commodity in Turkish Power Market", *The 3rd International Conference on Industrial Engineering and Operations Management (IEOM'12)*, 3-6 Temmuz, İstanbul, Türkiye.
- 9.3.31** Ayağ, Z. (2012) "An intelligent approach to CAM software selection", *The 2nd International Conference on Communications, Computing and Control Applications (CCCA'12)*, 6-8 Aralık, Marsilya, Fransa [Listed by Web of Science®].
- 9.3.32** Ayağ, Z. (2013) "An intelligent approach to computer-aided design software evaluation", *The 3rd International Fuzzy Systems Symposium (FUZZYSS'13)*, 24-25 Ekim, İstanbul, Türkiye.
- 9.3.33** Durak, M.Y., Özdemir, R.G., Fakı, F., Ayağ, Z. (2013) "Selection of sub-contractor for cutting operation in textile industry using fuzzy TOPSIS", *The 3rd International Fuzzy Systems Symposium (FUZZYSS'13)*, 24-25 Ekim, İstanbul, Türkiye.
- 9.3.34** Ayağ, Z., Özdemir, R.G. (2013) "A fuzzy AHP-based approach to employee performance evaluation", *The 3rd International Fuzzy Systems Symposium (FUZZYSS'13)*, 24-25 Ekim, İstanbul, Türkiye.
- 9.3.35** Ayağ, Z. (2014) "QFD approach to determine supply chain management strategies in automotive sector", *The 2nd International Conference on Tourism, Transport, and Logistics (ICTTL'14)*, 3-4 Nisan, Prag, Çek Cumhuriyeti.
- 9.3.36** Ayağ, Z. (2014) "Quality function deployment approach to evaluate supply chain strategies in Turkish automotive industry", *The 14th*

*International Academic Conference-The International Institute of Social and Economic Sciences (IISES'14)*, 28-31 Ekim, La Valetta, Malta.

- 9.3.37** Ayağ, Z. (2015) "A multiple-criteria decision making method for evaluating solar power plant location alternatives", *The 9th International Management Conference (IMC'15)*, 5-6 Kasım, Bükreş, Romanya.
- 9.3.38** Özdemir, R.G., Ayağ, Z. (2015) "Integrated fuzzy Monte Carlo simulation model and branch and bound algorithm for solving scheduling in filling process", *The 4rd International Fuzzy Systems Symposium (FUZZYSS'15)*, 5-6 Kasım, İstanbul, Türkiye.
- 9.3.39** Ayağ, Z. (2016) "AHP-based approach to evaluate solar power plant location alternatives", *The 3rd Business and Research Conference-The International Institute of Social and Economic Sciences (IISES'16)*, 22-25 Mart, Lizbom, Portekiz.
- 9.3.40** Ayağ, Z. (2016) "Fuzzy based decision making for green concept evaluation: A comparative study", *The 17th International Conference on Fuzzy Systems (FS'16)*, 21-23 Ekim, Roma, İtalya.
- 9.3.41** Ayağ, Z. (2017) "Green concept selection through fuzzy decision making: A comparative study", *The 6th Business and Social Science Conference (BSCC'17)*, 3-4 Ağustos, Dubrovnik, Hırvatistan.
- 9.3.42** Ayağ, Z. (2017) "Evaluating solar power plant location alternatives through a multiple-criteria decision making method", *The 29th International Academic Conference (IISES'17)*, 5-8 Nisan, Roma, İtalya.
- 9.3.43** Ayağ, Z. (2017) "A comparison study of F-AHP based MCDM methods on green concept selection problem", *The 5th International Fuzzy Systems Symposium (FUZZYSS'17)*, 14-15 Ekim, Ankara, Türkiye.
- 9.3.44** Ayağ, Z. (2018) "Green concept evaluation through fuzzy AHP-PROMETHEE II", *The 40th International Academic Conference (IISES'18)*, 25-28 Haziran, Stockholm, İsveç.
- 9.3.45** Ayağ, Z. (2019) "An integrated approach to green concept evaluation", *The 2nd Int'l Conf. on Modern Research in Science, Engineering and Technology (ICMRSET'19)*, 5-7 Nisan, Barselona, İspanya.

#### **9.4 Yazılan uluslararası kitaplar veya kitaplarda bölümler**

#### **9.5 Ulusal hakemli dergilerde yayımlanan makaleler**

#### **9.6 Ulusal bilimsel toplantılarda sunulan ve bildiri kitaplarında basılan bildiriler**

- 9.6.1** Ayağ, Z., Dincmen, M., Durmusoglu, M. B., Ertay, T. (1991) "Expert simulation systems in production systems", *Symposium of Computer Use and Automation in Industry*, I.T.U. in cooperation with Alumni of Berlin Technical University (TU Berlin) and KOSGEB, İstanbul, Türkiye.
- 9.6.2** Akhun, M., Ayağ, Z., Ertay, T. (1992) "Simulation of production systems based on expert systems", *Advances in Simulation '92 Symposium*, 6-7 July, Bogazici University, İstanbul, Türkiye.
- 9.6.3** Erkut, H., Polat, S., Bozdog, C. E., Ceylan, C., Bayraktar, C. A., Ayağ, Z. (1992) "Investigation of inflation-productivity-interest relationships using system dynamics modeling ", *Advances in Simulation' 92 Symposium*, 6-7 July, Bogazici University, İstanbul, Türkiye.
- 9.6.4** Ayağ, Z., Dincmen, M. (1993) "Expert systems in industry and an expert system design for quality control", *XV. Operation Research and Industrial Engineering National Congress (YA/EM'1993)*, 7-9 July, İstanbul, Türkiye.
- 9.6.5** Özdemir, R. G., Ayağ, Z., Ozturk, I. (2004) "An economic error measure for demand forecasting", *XXIV. Operation Research and Industrial*

- Engineering National Congress (YA/EM`04)*, 15-18 June, Cukurova University, Adana, Türkiye.
- 9.6.6** Özdemir, R. G., Ayağ, Z., Cakir, D. (2004) "A line balancing method for set-up time reduction", *XXIV. Operation Research and Industrial Engineering National Congress (YA/EM`04)*, 15-18 June, Cukurova University, Adana, Türkiye.
- 9.6.7** Özdemir, R. G., Ayağ, Z., Dursunoglu, M. (2004) "A simulation-based model for capacity improvement in manufacturing systems", *XXIV. Operation Research and Industrial Engineering National Congress (YA/EM`04)*, 15-18 June, Cukurova University, Adana, Türkiye.
- 9.6.8** Ayağ, Z., Özdemir, R. G., Beser, M. (2004) "An approach for competitive advantage by improving integration between marketing and production", *XXIV. Operation Research and Industrial Engineering National Congress (YA/EM`04)*, 15-18 June, Cukurova University, Adana, Türkiye.
- 9.6.9** Ayağ, Z., Özdemir, R. G., Uguz, H. (2004) "A decision support system for evaluating ERP packages ", *XXIV. Operation Research and Industrial Engineering National Congress (YA/EM`04)*, 15-18 June, Cukurova University, Adana, Türkiye.
- 9.6.10** Ayağ, Z., Özdemir, R. G., Yilmaz, A. (2004) "A step-by-step model for implementing hardware infrastructure of ERP systems ", *XXIV. Operation Research and Industrial Engineering National Congress (YA/EM`04)*, 15-18 June, Cukurova University, Adana, Türkiye.
- 9.6.11** Gultas, I., Özdemir, R. G., Ayağ, Z. (2005) "Using of investment analysis techniques for equipment selection in assembly lines under demand uncertainty ", *XXV. Operation Research and Industrial Engineering National Congress (YA/EM`05)*, 4-6 July, Koc University, İstanbul, Türkiye.
- 9.6.12** Ince, O., Ayağ, Z., Özdemir, R. G. (2005) "The determining of buffer size capacity in assembly lines) ", *XXV. Operation Research and Industrial Engineering National Congress (YA/EM`05)*, 4-6 July, Koc University, İstanbul, Türkiye.
- 9.6.13** Özdemir, R. G., Ayağ, Z., Kula, U., Ince, O. (2006) "A case study in supply chain management using 0-1 integer goal programming ", *XXVI. Operation Research and Industrial Engineering National Congress (YA/EM`06)*, 3-5 July, Kocaeli University, Kocaeli, Türkiye.
- 9.6.14** Ayağ, Z., Özdemir, R. G. (2007) "Enterprise resource planning (ERP) system investments and analysis", *Dynamics 2007-Management of Investments and Project Risks, National Project Management Congress*, 13-14 April, Kadir Has University, İstanbul, Türkiye.
- 9.6.15** Ayağ, Z., Buyukozkan, G., Tufekcioglu, M., Gurel, S., Özdemir, S. (2007) "An ANP-based application for supplier selection in automotive industry ", *XXVII. Operation Research and Industrial Engineering National Congress (YA/EM`07)*, 2-4 July, Dokuz Eylul University, Izmir, Türkiye.
- 9.6.16** Danaci, T., Ayağ, Z. (2007) "Technology management for effective new product development process", *VI. Workshop on Industrial and Management Engineering, The Chamber of Mechanical Engineers in Türkiye: Bursa Branch*, November 9-10, Bursa, Türkiye.
- 9.6.17** Danaci Sakalar, T., Ayağ, Z. (2008) "Technology road-mapping for effective new product development process", *II. National System Engineering Congress*, Yıldız University, February 6-8, İstanbul, Türkiye
- 9.6.18** Ayağ, Z., Samanlıoğlu, F., Dalgic, M.S., Eksi, M., Erol, Y.A. (2008) "A software development for product costing through activity-based costing ", *XXVIII. Operation Research and Industrial Engineering National Congress (YA/EM`08)*, 30 June-2 July, Galatasaray University, İstanbul, Türkiye.

- 9.6.19** Ayağ, Z., Samanlıoğlu, F., Turkmen, E., Ozturk, V., Kotek, H. (2008) "Facility site location through analytic network process ", *XXVIII. Operation Research and Industrial Engineering National Congress (YA/EM`08)*, 30 June-2 July, Galatasaray University, İstanbul, Türkiye.
- 9.6.20** Samanlıoğlu, F., Ayağ, Z. (2008) "OR/MS research in hazardous waste management ", *XXVIII. Operation Research and Industrial Engineering National Congress (YA/EM`08)*, 30 June-2 July, Galatasaray University, İstanbul, Türkiye.
- 9.6.21** Samanlıoğlu, F., Ayağ, Z., Ercan, B.B., Yetim, M. (2008) "Application of a bi-objective ambulance location model ", *XVIII. Operation Research and Industrial Engineering National Congress (YA/EM`08)*, 30 June-2 July, Galatasaray University, İstanbul, Türkiye.
- 9.6.22** Ayağ, Z., Özdemir, R.G. (2008) "The evaluation of ERP software through fuzzy replacement analysis and analytic network process ", *XXVIII. Operation Research and Industrial Engineering National Congress (YA/EM`08)*, 30 June-2 July, Galatasaray University, İstanbul, Türkiye.
- 9.6.23** Buyukozkan, G., Ayağ, Z., Caka, E., Ozgunduz, G., Sahin, G. (2008) "Determining the supply chain strategies in food industry: A proposed model and its application", *VIII. National Production Research Symposium (UAS'08)*, 24-25 October, organized by İstanbul University and İstanbul Kültür University, İstanbul, Türkiye.
- 9.6.24** Samanlıoğlu, F., Ayağ, Z., Esen, E.E., Gunduz, A., Polat, M.O., Tavsanli, S., Ozak, F. (2009) "Route improvement for a courier truck: A case study", *XXIX. Operation Research and Industrial Engineering National Congress (YA/EM`09)*, 22-24 June, Bilkent University, Ankara, Türkiye.
- 9.6.25** Ayağ, Z., Samanlıoğlu, F., Ozpamuk, T., Ertem, S., Gumulcinelioglu, C. (2009) "Fuzzy analytic hierarchy process (FAHP) to evaluate solar power plant location alternatives", *XXIX. Operation Research and Industrial Engineering National Congress (YA/EM`09)*, 22-24 June, Bilkent University, Ankara, Türkiye.
- 9.6.26** Has, M., Taskiran, I., Turkyilmaz, M., Ayağ, Z., Samanlıoğlu, F., Yucekaya, A. (2010) "Evaluating shopping center location alternatives through ANP: A case study", *XXX. Operation Research and Industrial Engineering National Congress (YA/EM`10)*, June 30- July 2, Sabancı University, İstanbul, Türkiye.
- 9.6.27** Duman, B., Erdem, M., Isik, E.N., Ozkaya, E., Ayağ, Z., Samanlıoğlu, F., Yucekaya, A. (2010) "Cloth selection problem for passenger seats in public transport vehicles through TOPSIS", *XXX. Operation Research and Industrial Engineering National Congress (YA/EM`10)*, June 30- July 2, Sabancı University, İstanbul, Türkiye.
- 9.6.28** Kayakus, O., Ergin, D., Samanlıoğlu, F., Ayağ, Z., Yucekaya, A. (2010) "A mathematical model of pandemic influenza A/H1N1", *XXX. Operation Research and Industrial Engineering National Congress (YA/EM`10)*, June 30- July 2, Sabancı University, İstanbul, Türkiye.
- 9.6.29** Alev, K., Cikrikci, Z., Balkuvar, I., Samanlıoğlu, F., Ayağ, Z., Yucekaya, A. (2010) "A location problem of first aid ambulances", *XXX. Operation Research and Industrial Engineering National Congress (YA/EM`10)*, June 30- July 2, Sabancı University, İstanbul, Türkiye.
- 9.6.30** Elibol, D., Depe, I., Özdemir, G., Davarci, C.E., Samanlıoğlu, F., Ayağ, Z., Yucekaya, A. (2010) "A logistics, location and routing problem of İstanbul Kızılay blood banks", *XXX. Operation Research and Industrial Engineering National Congress (YA/EM`10)*, June 30- July 2, Sabancı University, İstanbul, Türkiye.
- 9.6.31** Samanlıoğlu, F., Sezenler, E., Ayağ, Z., Yucekaya, A. (2010) "A hazardous waste location-routing problem", *XXX. Operation Research*



and Industrial Engineering National Congress (YA/EM`10), June 30- July 2, Sabancı University, İstanbul, Türkiye.

- 9.6.32** Alacan, M., Ozal, C., Cetinkaya, I., Altıok, I., Kol, G., Yucekaya, A., Ayağ, Z., Samanlıoğlu, F. (2010) "A personnel supply planning system for hospital call centers", *XXX. Operation Research and Industrial Engineering National Congress (YA/EM`10)*, June 30- July 2, Sabancı University, İstanbul, Türkiye.
- 9.6.33** Gokoluk, S.S., Tasdemir, E.E., Kirgoz, D., Cakir, H., Yucekaya, A., Ayağ, Z., Samanlıoğlu, F. (2010) "A mixed integer multi-period capital budgeting model for investment companies", *XXX. Operation Research and Industrial Engineering National Congress (YA/EM`10)*, June 30- July 2, Sabancı University, İstanbul, Türkiye.
- 9.6.34** Ayağ, Z., Samanlıoğlu, F., Yucekaya, A. (2010) "Fuzzy AHP approach to CAD software selection problem", *X. National Production Research Symposium (UAS`10)*, September 16-18, Girne American University, Girne, Cyprus.
- 9.6.35** Samanlıoğlu, F., Ayağ, Z., Yucekaya, A. (2010) "Multiple-criteria crossdocking model with flexible time window ", *X. National Production Research Symposium (UAS`10)*, September 16-18, Girne American University, Girne, Cyprus.
- 9.6.36** Yucekaya, A., Ayağ, Z., Samanlıoğlu, F. (2010) "ERP software selection through AHP in a project-based production company", *X. National Production Research Symposium (UAS`10)*, September 16-18, Girne American University, Girne, Cyprus.
- 9.6.37** Gun, E., Cetintas, F., Özdemir, R.G., Ayağ, Z. (2010) "Estimation model to determine optimal lot size for a two-stage inventory system", *X. National Production Research Symposium (UAS`10)*, September 16-18, Girne American University, Girne, Cyprus.
- 9.6.38** Özdemir, R.G., Z., Ayağ, Z., Özdemir, A., Aksu, G. (2011) "An mathematical approach for hierarchical production planning in food packaging industry", *XXXI. Operation Research and Industrial Engineering National Congress (YA/EM`11)*, July 5-7, Sakarya University, Kocaeli, Türkiye.
- 9.6.39** Aydemir, T., Kara, D.G., Kocabacak, I., Yildirim, B., Ayağ, Z. (2011) "Evaluating bank alternatives through ANP", *XXXI. Operation Research and Industrial Engineering National Congress (YA/EM`11)*, July 5-7, Sakarya University, Kocaeli, Türkiye.
- 9.6.40** Özdemir, R.G., Ayağ, Z., Karaca, N. (2011) "A production planning approach under assembly-line balancing constraints in textile sector", *XI. National Production Research Symposium (UAS`11)*, June 23-24, İstanbul Ticaret University, İstanbul, Türkiye.
- 9.6.41** Ayağ, Z., Yucekaya, A. (2011) "Evaluating ERP software investments in terms of project management and risk factors", *VIII. Workshop on Industrial and Management Engineering, The Chamber of Mechanical Engineers in Türkiye: Bursa Branch*, November 24-26, Bursa, Türkiye.
- 9.6.42** Yucekaya, A., Ayağ, Z. (2011) "Analyzing energy plans of Türkiye in the light of increasing energy demand and fuel costs", *VIII. Workshop on Industrial and Management Engineering, The Chamber of Mechanical Engineers in Türkiye: Bursa Branch*, November 24-26, Bursa, Türkiye.
- 9.6.43** Ayağ, Z. (2013) "Technology management in new product development environment", *IX. Workshop on Industrial and Management Engineering, The Chamber of Mechanical Engineers in Türkiye: Eskisehir Branch*, December 6-7, Eskisehir, Türkiye.

## 9.7 Diğer Yayınlar

## 9.8 Atıflar

Web of Science-Toplam Makale Sayısı: 20  
h-index: 12  
Toplam Atıf Sayısı: 686  
Atıf Yapan Makale Sayısı: 544  
Makale Başına Ortalama Atıf Sayısı: 34,3  
Toplam Atıf Sayısı (Kendi Atıfları Hariç): 636

## 10. Projeler

- 10.1** InoSuit (İnovasyon Odaklı Mentörlük Projesi: "Firmalara Özgü Kurumsal Bir İnovasyon Sisteminin Kurulması"), Türkiye İhraçatçılar Meclisi (TİM) organizasyonu ve Kadir Has Üniversitesi desteği ile; 2017-halen. Firmalar: Ören Kablo Sistemleri Elektrik San. ve Tic. Ltd. Şti., Boytas Mobilya San. ve Tic. A.S. (TMSF Yönetiminde), Sönmez Transformer A.S.
- 10.2** IBM SUR Award: Urban Engineering Studies in İstanbul, the prestigious IBM Shared University Research (SUR) award, 2013-2015, Araştırmacı.
- 10.3** Kadir Has Üniversitesi BAP Projesi (KHAS-BAP): Development of an effective hazardous material (HAZMAT) management system for Marmara Region through a multiple-criteria decision making method (with Dr. F. Samanlıoğlu), 2009-2010, Araştırmacı.
- 10.4** Eureka Projesi: An expert system design for quality control in household manufacturing, in collaboration with İstanbul Technical University, Arçelik A.S., TEE A.S. and Bruel Kayser Co. of Denmark, 1993, Araştırmacı.
- 10.5** TSE Projesi: TS 62: Twist drills, National standard preparation, in collaboration with Makina Takim Endustrisi A.S. and Turkish Standardization Institute (TSE), 1996-1998, Araştırmacı.
- 10.6** TTGV Projesi: The design and manufacturing of thin-ceramic- and TIN-coated cutting tools, Makina Takim Endustrisi A.S., 1996-1997, Araştırmacı.

## 11. İdari Görevler

- 11.1** Fen Bilimleri Enstitüsü Md., Kadir Has Üniversitesi, 2014-2017.
- 11.2** Endüstri Mühendisliği Böl.Bşk., Kadir Has Üniversitesi, 2006-2015.
- 11.3** Fen Bilimleri Enstitüsü Md.Yrd., Kadir Has Üniversitesi, 2006-2008.
- 11.4** Endüstri Mühendisliği Böl.Bşk.Yrd., Kadir Has Üniversitesi, 2006-2006.
- 11.5** Senatör, Kadir Has Üniversitesi, 2014-2017.
- 11.6** Kalite Komisyonu Üyesi, Kadir Has Üniversitesi, 2015-2017.
- 11.7** Yönetim Kurulu Üyesi, Fen Bilimleri E., Kadir Has Üniversitesi, 2009-2017.
- 11.8** Endüstri M. YL. Koor., Fen Bilimleri E., Kadir Has Üniversitesi, 2009-2015.
- 11.9** Yönetim Kurulu Üyesi, Fen Bilimleri E., Kadir Has Üniversitesi, 2009-2015.
- 11.10** Kurul Üyesi, Fen Bilimleri E., Kadir Has Üniversitesi, 2008-2017.
- 11.11** Kurul Üyesi, Müh.ve Doğa Bil. Fak., Kadir Has Ü., 2006-2015/2018-halen.
- 11.12** Akademik Kurul Üyesi, Müh.ve Doğa Bilimleri Fak., Kadir Has Ü., 2005-halen.

## 12.Diğer Hizmetler

- 12.1** YÖK Kalite Kurulu-Takım Başkanı/Değerlendirici, 2016-halen.
- 12.2** MÜDEK-Değerlendirici/Genel Kurul Üyesi, 2005-halen.
- 12.3** ÜAK-Doçentlik Sınav Jüri Üyeliği, 2017-halen.
- 12.4** Yayın Kurulu Üyeliği, Dergi ve Konferanslar İçin,
- 12.5** Düzenleme Kurulu Üyeliği
- 12.6** Bilimsel Hakemlik
- 12.7** TÜBİTAK Panelist ve Proje Değerlendirme
- 12.8** Sanayi Bakanlığı AR-GE Merkezi Hakemliği

### 13. Bilimsel Kuruluşlara Üyelikler

- 13.1 Türkiye Mimarlar ve Makine Mühendisleri Odası, Kayıtlı Mühendis, 1989-h.
- 13.2 Prof.Eng.Ontario (PEO), KANADA, Kayıtlı Profesyonel Müh. (P.Eng.), 2001-h.
- 13.3 Institute of Industrial Engineers (IIE), Kıdemli Üye, 2006-halen.
- 13.4 İTÜ Mezunlar Derneği, Üye, 2006-halen.
- 13.5 Mekanik Tasarım ve Üretim Derneği (MATİM), Üye, 2007-halen.
- 13.6 İstanbul Proje Yönetimi Derneği (IPYD), Üye, 2007-halen.
- 13.7 Yöneylem Araştırması Derneği (YAD), Üye, 2007-halen.
- 13.8 Türk Endüstri Mühendisleri Grubu (TURK IE), Üye, 2007-halen.
- 13.9 Bulanık Sistemler Derneği (BÜSİDE), Üye, 2008-halen.
- 13.10 Int'l Society on Multiple Criteria Decision Making (MCDM), Üye, 2008-h.
- 13.11 International Association of Engineers (IAENG), Üye, 2008-halen.
- 13.12 IAENG Society of Industrial Engineering, Üye, 2008-halen.
- 13.13 IAENG Society of Operations Research, Üye, 2008-halen.
- 13.14 IAENG Society of Artificial Intelligence, Üye, 2008-halen.
- 13.15 IAENG Society of Information System Engineering, Üye, 2008-halen.
- 13.16 Danube Adria Asso. for Automation and Mfg. (DAAAM) Int'l, Üye, 2012-h.
- 13.17 IEOM Society, Üye, 2014-halen.
- 13.18 Decision Sciences Institute (DSI), Üye, 2015-halen.
- 13.19 Int'l Society for Environmental Information Sciences, Üye, 2015-halen.
- 13.20 theIREM Institute of Research Engineers and Doctors, Kıdemli Üye, 2015-h.
- 13.21 Lean Enterprise Institute, Üye, 2015-halen.
- 13.22 Int'l Asso.of Risk and Compliance Professionals (IARCP), Üye, 2015-halen.
- 13.23 Int'l Institute of Social and Economic Sciences (IISES), Üye, 2015-halen.
- 13.24 Int'l Engineering & Technology Institute (IETI), Kıdemli Üye, 2016-halen.
- 13.25 MÜDEK, Üye, 2017-halen.
- 13.26 Social Sciences and Economics Research Society (SSERS), Üye, 2019-halen.

### 14.Ödüller

- 14.1 Kadir Has University "*Best Academician Award of the Year*" presented by President
- 14.2 H.E. Abdullah Gül in the Opening Ceremony of the 2010-2011 Academic Year.
- 14.3 2006-2007 akademik yılında SCI®' de yayımlanan çok sayıda yayınlardan dolayı Kadir Has Üniversitesi tarafından verilen takdir belgesi (Sertifika)
- 14.4 2005-2006 akademik yılında SCI®' de yayımlanan yayınlardan dolayı Kadir Has Üniversitesi tarafından verilen takdir belgesi (Sertifika)
- 14.5 2004-2005 akademik yılında SCI®' de yayımlanan yayınlardan dolayı İstanbul Kültür Üniversitesi tarafından verilen takdir belgesi (Sertifika)
- 14.6 Kadir Has Üniversitesi tarafından SCI®' de yayımlanmış yayınlardan dolayı verilen destek ödülleri (5 kez)
- 14.7 Tübitak tarafından SCI®' de yayımlanmış yayınlardan dolayı verilen destek ödülleri (7 kez)
- 14.8 İstanbul Kültür Üniversitesi tarafından SCI®' de yayımlanmış yayınlardan dolayı verilen destek ödülleri (2 kez)

**15.Son iki yılda verdiği lisans ve lisansüstü düzeydeki dersler**

Akademik Yıl	Dönem	Dersin Adı*	Haftalık Saati	Öğrenci Sayısı
			T+U	
2017-2018	Güz	IE 321 Factory Design and Plant Layout	3+0	18
		IE 344 Computer Integrated Manufacturing	3+0	16
	İlkbahar	IE 422 Strategic Planning	3+0	18
		IE 421 Innovation and Technology Management	3+0	7
		GE 400 Final Project	0+6	8
	Yaz	IE 241 İmalat Süreçleri		15
2018-2019	Güz	IE 321 Factory Design and Plant Layout	3+0	38
		IE 344 Computer Integrated Manufacturing	3+0	9
	İlkbahar	IE 422 Strategic Planning	3+0	22
		IE 421 Innovation and Technology Management	3+0	50
		GE 400 Final Project	0+6	5
	Yaz	IE 241 İmalat Süreçleri	3+0	12**

\* Dersler İngilizce verilmektedir.

\*\* Tahmini