

CURRICULUM VITAE

- 1. Name Surname** : İrem OTAY
- 2. Date of Birth** : 1984
- 3. Department** : Industrial Engineering
- 4. Education** :

Derece	Department	University	Year
Bachelor	Industrial Engineering	Yıldız Technical University	2006
Master	MBA, General Management	Bahçeşehir University	2009
Ph.D.	Management Engineering	Istanbul Technical University	2015

5. Academic Titles

Title	Discipline	University	Year
Assistant Professor	Industrial Engineering	Okan University	2016
Associate Professor			
Full Professor			

6. Supervised Master and Ph.D. Thesis

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6.1. Title of Master Thesis

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6.2. Dissertation Title:

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7. Publications

7.1. International Refereed Journal Publications

Bolat, B., Çebi, F., Temur, G. T., **Otay, İ.** (2014). "A Fuzzy Integrated Approach for Project Selection", Journal of Enterprise Information Management, 27(3), 247-260. (SSCI)

Çebi F., **Otay İ.** (2015). "A Fuzzy Multi-Objective Model For Solving Project Network Problem with Bonus and Incremental Penalty Cost", Computers & Industrial Engineering, 82, 143-150. (SCI, Elsevier)

Çebi F., **Otay İ.** (2015). "Multi-Criteria and Multi-Stage Facility Location Selection under Interval Type-2 Fuzzy Environment: A Case Study for a Cement Factory", International Journal of

Computational Intelligence Systems, 8(2), 330-344.
(SCI-Expanded).

Onar, S. C., Oztaysi, B., **Otay, İ.**, Kahraman, C. (2015). “Multi-Expert Wind Energy Technology Selection Using Interval-Valued Intuitionistic Fuzzy Sets”, Energy, 90, Part 1, 274-285.
(SCI, Elsevier).

Çebi F., **Otay İ.** (2016). “A Fuzzy Approach for Multi-Product Supplier Selection Problem Under Quantity Discount & Lead Time Criteria”, Information Sciences, 339, 143-157.
(SCI, Elsevier).

Otay, İ., Kahraman, C. (2016). “Multicriteria bottle design in the beverage industry using interval-valued intuitionistic fuzzy sets”, Journal of Multiple-Valued Logic and Soft Computing, 27(5-6), 457-474.
(SCI-Expanded, Old City Publishing)

Otay, İ., Çebi, F. (2016). “Multiobjective Fuzzy Mathematical Model for a Supply Chain Problem with Forward and Reverse Flows”, International Journal of Information and Decision Sciences, 8(4).
(Scopus, Inderscience Publishers).

Otay, İ. Oztaysi, B., Cevik Onar, S., Kahraman, C. (2017). “Multi-expert performance evaluation of healthcare institutions using an integrated intuitionistic fuzzy AHP&DEA methodology”, Knowledge-Based Systems, 133, 90-106.
(SCI, Elsevier).

7.2. International Conference Presentations & Proceedings

Çebi F., **Otay İ.** “An Integrated Approach to Supplier Selection and Order Allocation Problem: A Case Study in a Hospital”, Pre-prints of 17th International Working Seminar on Production Economics, Vol. 3, pp. 49-60, Innsbruck, 20th-24th February 2012.

Otay İ., Çebi F. “An Integrated Multi-Criteria Decision Making Methodology for Facility Location Selection Problem under Fuzzy Environment: Application in Cement Sector”, Proceedings of the 10th International FLINS Conference, Uncertainty Modeling in Knowledge Engineering and Decision Making, Vol. 7, pp. 279-284, İstanbul, 26th-29th August 2012.

Otay, İ., Çebi, F., Bolat, B. “Evaluating Recovery Options by a Mathematical Model Integrated with Fuzzy Multimooora Method”, Proceedings of 44th International Conference on Computers & Industrial Engineering and 9th International Symposium on Intelligent Manufacturing and Service Systems, pp. 86-100, İstanbul, 14th-16th October 2014.

Otay, İ., Kahraman, C. “Worldwide Investing in Real Estate Using Interval-Valued Intuitionistic Fuzzy Sets”, The 16th World Congress of the International Fuzzy Systems Association (IFSA) and the 9th Conference of the European Society for Fuzzy Logic and Technology (EUSFLAT), Gijón, Asturias (İspanya), 30th June-3rd July 2015.

Boltürk, E., **Otay, İ.**, Şenvar, Ö. Hospital Site Selection via Hesitant Fuzzy TOPSIS, 8th IFAC Conference on Manufacturing Modelling, Management and Control, University of Technology of Troyes, Troyes (France), 28 -30 June 2016, IFAC-PapersOnLine, 49(12), 1140-1145.

Otay, İ., Kahraman, C. “Development of Neutrosophic Analytic Hierarchy Process: Application to a Healthcare Problem”, The POMS 28th Annual Conference, May 5-8, 2017, Seattle, WA – USA.

Otay, İ., Cevik Onar, S., Topcu, İ. “Structuring a Decision Model for Humanitarian Relief Logistics”, The POMS 28th Annual Conference, May 5-8, 2017, Seattle, WA –USA.

Otay, İ., Kahraman, C. “Six Sigma Project Selection Using Interval Neutrosophic TOPSIS”, The Conference of the European Society for Fuzzy Logic and Technology (EUSFLAT 2017), 11th-15th September 2017, Warsaw, Poland.

7.3. International Books / Chapters of Books

Çebi, F., **Otay, İ.**, Çelebi, D. (2014). Chapter 90: “Fuzzy MCDM Approach for Make or Buy Decision Problem”, Encyclopedia of Business Analytics and Optimization, (Eds. John Wang), pp. 978-995, IGI Global, USA.

Otay, İ. (2015). Chapter 4: “A Review on Intelligent Systems in Research and Development, Intelligent systems in Management”, Intelligent Techniques in Engineering Management, (Eds. Kahraman, C., Onar, S. C.), Vol. 87, pp. 79-106, (ISBN 978-3-319-17905-6), Springer, Switzerland.

Kahraman, C., **Otay, İ.**, Oztayşi, B. (2015). “Fuzzy Extensions of Confidence Intervals: Estimation for μ , σ^2 , and p ”, Fuzzy Statistical Decision Making: Theory and Applications (Eds: Kahraman, C., Kabak, O.), Vol. 343, pp. 129-154, (ISBN 978-3-319-39014-7), Springer, Switzerland.

Otay, İ., Kahraman, C. (2016). “Fuzzy Sets in Earth & Space Sciences”, Fuzzy Logic in Its 50th Year: A perspective of New Developments, Directions and Challenges, (Eds: Kahraman, C., Kaymak, U., Yazıcı, A.) , Vol. 341, pp. 161-174, (ISBN 978-3-319-31091-6), Springer, Switzerland.

7.4. National Refereed Journal Publications

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7.5. National Conference Presentations & Proceedings

Otay, İ., Çebi, F. “Kapalı Çevrim Tedarik Zinciri Probleminin Çözümüne Bulanık Bir Yaklaşım”, 15th Production Research Symposium (15. Üretim Araştırmaları Sempozyumu), Ege Üniversitesi, İzmir, 14th-16th October 2015.

Çebi, F., Bolat, B., **Otay, İ.** “Aralık Değerli Sezgisel Bulanık kümeler yardımıyla proje seçimi”, 35th National Conference for Operations Research and Industrial Engineering (Yöneylem Araştırması ve Endüstri Mühendisliği –YAEM- 35. Ulusal Kongresi), Orta Doğu Üniversitesi (ODTÜ), Ankara, 9th-11th September 2015.

Otay, İ., İmre, Ş., Temur, G.T., Bolat, B. “E-waste Collection Center Location Evaluation Problem: The Case of Istanbul”, 16th Production Research Symposium (16. Üretim Araştırmaları Sempozyumu), İstanbul Teknik Üniversitesi, İstanbul, 12th-14th October 2016.

7.6 Other Publications

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8. Projects

09.2015-03.2017 “Elektrik ve Elektronik Atıkların Tersine Lojistik Süreçlerinin İyileştirilmesine Yönelik Bütünleşik Bir Sistem Tasarımı” (An Integrated System Design for Improving Reverse Logistics Processes of Waste of

Electrical and Electronic Equipment), Scholarship (2015-16)- Researcher (2016-17), TUBITAK 1005 National New Ideas and Products Research Support Program.

9. Administrative Tasks:

Organizing Committee Member: 1st Project Management Conference with International Participation (UKPYK), Istanbul Technical University, Faculty of Management, Istanbul, 19th - 20th September, 2014.

Organizing Committee Member: 16th Symposium on Production Research, Istanbul Technical University, Faculty of Management, Istanbul, 12th -14th October, 2016.

10. Academic/Professional Memberships:

11. Awards:

- 2009-2014 TÜBİTAK Department of Science Fellowships and Grant Programs (BİDEB), 2211 Domestic PHD Scholarship Program
- 2015-2016 TÜBİTAK, the National Academic Network and Information Centre (ULAKBİM), Incentive Program for International Scientific Publications (UBYT)
- 2008-2009 Bahçeşehir University %100 Merit Scholarship

12. Courses taught in last two years

Academic Year	Term	Course	Weekly Hours			Number of Students
			Theor.	Appl.	Credits	
2016-2017	Fall	END103 Endüstri Mühendisliğine Giriş	2	0	2	16
		IE103 Introduction to Industrial Engineering	2	0	2	29
		END305 Üretim Planlama I	3	0	3	30
		IE305 Production Planning I	3	0	3	49
2016-2017	Spring	END306 Üretim Planlama II	3	0	3	36
		IE306 Production Planning II	3	0	3	37
		END409 Verimlilik Yönetimi	3	0	3	31
		IE409 Productivity Management	3	0	3	20
		END408 Bitirme Projesi II	0	2	1	5
		IE408 Graduation Project II	0	2	1	4
2017-2018	Fall	END103 Endüstri Mühendisliğine Giriş	2	0	2	14
		IE103 Introduction to Industrial Engineering	2	0	2	29
		END305 Üretim Planlama-I	3	0	3	31
		IE305 Production Planning I	3	0	3	27
		END321 Yöneylem Araştırması I	3	0	3	34
		IE321 Operations Research I	3	0	3	31