

## Asst. Prof. CANAN AĞLAN GÖKLER

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Istanbul Technical University, İşletme Fakóltesi, Endüstri Mühendisliđi Bölümü,  
Turkey 2009 - 2015

Postgraduate, Istanbul Technical University, İşletme Fakóltesi, Endüstri Mühendisliđi Bölümü,  
Turkey 2007 - 2009

Undergraduate, Bahcesehir University, Faculty Of Engineering, Department Of Industrial  
Engineering, Turkey 2003 - 2007

### Biography

Canan Ađlan is an assistant professor in Industrial Engineering at Marmara University. She obtained her Ph.D. in industrial engineering from Istanbul Technical University. Her research interests include hybrid manufacturing systems, hybrid production control systems, Lot splitting, in-plant logistics operations, lean new product development, lean construction techniques, leanness assessment and mathematical modeling.

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Melez üretim sisteminde CONWIP kontrolü ve parti bölmesinin birlikte modellenmesi, İstanbul Teknik Üniversitesi, İşletme Fakóltesi, Endüstri Mühendisliđi Bölümü, 2014

Postgraduate, Melez üretim kontrol stratejileri, İstanbul Teknik Üniversitesi, İşletme Fakóltesi, Endüstri Mühendisliđi Bölümü, 2009

### Research Areas

Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Marmara University, Faculty of Engineering, Industrial Engineering, 2021 - Continues  
Research Assistant, Marmara University, Faculty of Engineering, Industrial Engineering, 2013 - 2021  
Research Assistant, Ozyegin University, Faculty Of Engineering, Department Of Industrial Engineering, 2012 - 2013  
Research Assistant, Beykent University, Faculty Of Engineering-Architecture, Department Of Industrial Engineering, 2010 - 2011

## Courses

Operations Research, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
Selected Topics in Industrial Engineering, Undergraduate, 2017 - 2018, 2016 - 2017

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A complete lean system design for team-oriented product development projects**  
Durmuşoğlu M. B., Aglan C.  
International Journal of Lean Six Sigma, 2024 (SCI-Expanded)
- II. **Axiomatic design for safe construction considering lean and ergonomic principles: an application in Turkey**  
AĞLAN GÖKLER C., KILIÇ H. S., Gao S., Deliveli N.  
International Journal of Occupational Safety and Ergonomics, 2024 (SSCI)
- III. **A leanness assessment methodology based on neutrosophic DEMATEL**  
KILIÇ H. S., Yurdaer P., AĞLAN GÖKLER C.  
JOURNAL OF MANUFACTURING SYSTEMS, vol.59, pp.320-344, 2021 (SCI-Expanded)
- IV. **A COMPLETE DESIGN METHODOLOGY FOR LEAN IN-PLANT LOGISTICS TO ASSEMBLY LINE USING AD PRINCIPLES**  
Aglan C., Durmuşoğlu M. B.  
INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING-THEORY APPLICATIONS AND PRACTICE, vol.26, no.5, pp.766-796, 2019 (SCI-Expanded)
- V. **Modified self-adaptive local search algorithm for a biobjective permutation flow shop scheduling problem**  
ALABAŞ USLU Ç., Dengiz B., Aglan C., SABUNCUOĞLU İ.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.27, no.4, pp.2730-2745, 2019 (SCI-Expanded)
- VI. **Lot-splitting approach of a hybrid manufacturing system under CONWIP production control: a mathematical model**  
AĞLAN GÖKLER C., Durmuşoğlu M. B.  
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, vol.53, no.5, pp.1561-1583, 2015 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A Multi-Objective Supplier Selection and Order Allocation Model for Green Supply Chains**  
TUZKAYA G., KILIÇ H. S., AĞLAN C.  
Journal of Military and Information Science, 2016 (Peer-Reviewed Journal)
- II. **A Multi Objective Supplier Selection and Order Allocation Model for Green Supply Chains**  
TUZKAYA G., KILIÇ H. S., AĞLAN C.  
Journal of Military and Information Science, vol.4, pp.87-96, 2016 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **CONWIP and Hybrid CONWIP Production Control Systems: A Literature Review**  
DURMUŞOĞLU M. B., AĞLAN C.  
in: Production Management: Advanced Tools, Models, and Applications for Pull Systems, Khojasteh, Yacob, Editor, CRC Press, pp.123-142, 2017
- II. **Lean Thinking via Business Intelligence Technologies and Innovation Process**  
Fırat S. Ü., Ağlan C., Şimşit Z. T., Ülkü İ., Bayram G., Erdem M.  
in: Handbook of Research on Driving Competitive Advantage through Sustainable Lean and Disruptive Innovation, Latif Al-Hakim, Xiaobo Wu, Andy Koronios, Yongyi Shou, Editor, IGI Global, Arizona, pp.59-85, 2016
- III. **çekme üretim kontrol sistemleri**  
AĞLAN C., DURMUŞOĞLU M. B.  
in: Uygulamalı üretim yönetimi el kitabı, Mehmet Bülent Durmuşoğlu, Osman Kulak, Editor, TÜSSİDE, pp.239-261, 2014

## Refereed Congress / Symposium Publications in Proceedings

- I. **Integration of Industry 4.0 and Lean Principles**  
İZER M. U., AĞLAN C.  
International Symposium for Production Research 2017, 13 - 15 September 2017
- II. **Balancing Production and Shipping in Implosive Industries**  
AĞLAN C., DURMUŞOĞLU M. B., İZER M. U.  
International Symposium for production research, 13 - 15 September 2017
- III. **Usage Of Unit Load Automated Storage And Retrieval System For Stock Area Design With System Analysis In A Firm Making Job Order Production**  
İZER M. U., ŞAHİN N. P., AĞLAN C.  
Uluslararası Katılımlı 16. Üretim Araştırmaları Sempozyumu, İstanbul, Turkey, 12 - 14 October 2016, pp.658-663
- IV. **Usage of Unit Load Automated Storage Retrieval System for Stock Area Design with System Analysis in Firm Making Job Order Production**  
İZER M. U., Şahin N. P., AĞLAN C.  
ÜAS 2016, 12 - 14 October 2016
- V. **A supplier selection and order allocation methodology for green supply chains**  
TUZKAYA G., KILIÇ H. S., AĞLAN C.  
ICOVACS 2015-International Conference on Value Chain Sustainability, 12 - 13 March 2015
- VI. **Bir Yükseköğretim Kurumunda Değer Akış Haritalandırma Yöntemi ile Sürdürülebilir Süreç Tasarımı**  
İzer M. U., Ağlan C., Erol Bingüler A. H., Fırat S. Ü.  
ÜAS'13 - 13. Üretim Araştırmaları Sempozyumu, Sakarya, Turkey, 25 - 27 September 2013, vol.2, pp.819-828
- VII. **Bir Yükseköğretim Kurumunda Değer Akış Haritalandırma Yöntemi ile Sürdürülebilir Süreç Tasarımı Üretim Araştırmaları Sempozyumu Sakarya Türkiye**  
İzer M. U., Ağlan C., Erol Bingüler A. H., Fırat S. Ü.  
Üretim Araştırmaları Sempozyumu, Sakarya, Turkey, 25 - 27 September 2013
- VIII. **Comparison of Energy Storage Alternatives Using Fuzzy TOSIS Method**  
Ak R., Ağlan C.  
World Congress on Engineering (WCE 2011), London, Canada, 6 - 08 July 2011, pp.1170-1173

## Scientific Refereeing

COMPUTERS & INDUSTRIAL ENGINEERING, SCI Journal, January 2020

INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, SCI Journal, November 2019

INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING-THEORY APPLICATIONS AND PRACTICE, SCI Journal, April 2019  
INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING-THEORY APPLICATIONS AND PRACTICE, SCI Journal, March 2019  
INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING-THEORY APPLICATIONS AND PRACTICE, SCI Journal, January 2019  
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, SCI Journal, July 2017  
INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING-THEORY APPLICATIONS AND PRACTICE, SCI Journal, June 2017  
INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING-THEORY APPLICATIONS AND PRACTICE, SCI Journal, May 2017  
INTERNATIONAL JOURNAL OF INDUSTRIAL ENGINEERING-THEORY APPLICATIONS AND PRACTICE, SCI Journal, April 2017  
INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, SCI Journal, September 2016  
COMPUTERS & INDUSTRIAL ENGINEERING, SCI Journal, June 2016

## **Mobility Activity**

Post Doc, Post Doc, Melbourne University, Australia, 2019 - 2020

## **Metrics**

Publication: 20  
Citation (WoS): 18  
Citation (Scopus): 34  
H-Index (WoS): 2  
H-Index (Scopus): 2