



# Journal of Turkish Operations Management

---

## Contents

### Research Articles

- AHP – Binary linear programming approach for multiple criteria real estate investment planning** 283-289  
Billur Ecer, Ahmet Aktas, Mehmet Kabak
- A firefly algorithm for the alternative subgraphs assembly line balancing problem** 290-297  
Ümmühan Palamut, Şener Akpınar
- Türkiye ve AB'nin enerji stratejileri ve politikaları** 298-313  
Çetin Önder Incekara
- A study of sustainable facility management from a green supply chain perspective in the united arab emirates** 314-323  
Steven D. Formanek
-



# Journal of Turkish Operations Management

---

## Editor-in-Chief

Assoc. Prof. Dr. Babek Erdebilli (B.D. Rouyendegh)  
Department of Industrial Engineering,  
AYBU, Ankara, Turkey  
[babek.erdebilli2015@gmail.com](mailto:babek.erdebilli2015@gmail.com), [berdebilli@ybu.edu.tr](mailto:berdebilli@ybu.edu.tr)

## Associate Editor

Asst. Prof. Dr. Abdullah Yıldızbaşı  
[ayildizbasi@ybu.edu.tr](mailto:ayildizbasi@ybu.edu.tr)  
Dr. İbrahim Yılmaz  
[iyilmaz@ybu.edu.tr](mailto:iyilmaz@ybu.edu.tr)

## Assistant Editor

Instructor Nihan Çağlayan  
[nihancaglayan@gmail.com](mailto:nihancaglayan@gmail.com)

## Editorial Board

Prof. Dr. Ali Allahverdi, Kuwait University, Kuwait  
Assoc. Prof. Dr. Fatih Emre Boran, Gazi University, Turkey  
Assoc. Prof. Dr. Yusuf Tansel İç, Başkent University, Turkey  
Assoc. Prof. Dr. Atour Taghipour, Normandy University, France  
Assoc. Prof. Dr. Yucel Yılmaz Ozturkoglu, Yasar University, Turkey  
Assoc. Prof. Dr. Gülin Feryal Can, Başkent University, Turkey  
Assoc. Prof. Dr. Hamid Reza Navidi, Shahed University, Iran  
Assoc. Prof. Dr. Elif Kılıç Delice, Atatürk University, Turkey  
Asst. Prof. Dr. Erdal Aydemir, Suleyman Demirel University, Turkey  
Asst. Prof. Dr. Farzad Sattari Ardebili, Azad Ardebil University, Iran  
Asst. Prof. Dr. Zahra Sadighi Maman, Adelphi University, USA  
Asst. Prof. Dr. Yavuz Selim Özdemir, THK University, Turkey  
Asst. Prof. Dr. Mojtaba Ghiasi, Shahrood University, Iran  
Asst. Prof. Dr. Ahmet Çalık, Karatay University, Turkey  
Asst. Prof. Dr. Abdullah Yıldızbaşı, AYBU, Turkey  
Asst. Prof. Dr. M. Zeynep Ertem AYBU, Turkey  
Asst. Prof. Dr. Gerçek Budak, AYBU, Turkey  
Dr. Menekşe Salar Barım, NIOSH, USA  
Dr. Beata Mrugalska, Poznan University of Technology, Poland  
Dr. İbrahim Yılmaz, AYBU, Turkey  
Dr. Sercan Demir, AYBU, Turkey  
Dr. Saeideh Parsaei fard, University of Toronto, Canada



# Journal of Turkish Operations Management

---

## Advisory Board

Prof. Dr. Emel Kızılkaya Aydoğan, Erciyes University, Turkey  
Prof. Dr. Tahir Hanalioğlu, TOBB ETÜ University, Turkey  
Prof. Dr. Orhan Torkul, Sakarya University, Turkey  
Prof. Dr. Turan Paksoy, Selçuk University, Turkey  
Prof. Dr. Mehmet Kabak, Gazi University, Turkey  
Prof. Dr. Hadi Gökçen, Gazi University, Turkey  
Prof. Dr. Serpil Erol, Gazi University, Turkey  
Prof. Dr. Mete Gündoğan AYBU, Turkey  
Prof. Dr. Ergün Eraslan AYBU, Turkey

## Privilige Owner

Prof. Dr. Mete Gündoğan  
metegundogan@ybu.edu.tr

## Publishing Manager

Prof. Dr. Ergün Eraslan  
eraslan@ybu.edu.tr

## Publisher

Ankara Yildirim Beyazıt University  
Industrial Engineering Department

## Technical Support

Jetmir Maloku  
[jetmirmaloku@gmail.com](mailto:jetmirmaloku@gmail.com)

## Contact Information

Ankara Yildirim Beyazıt University, Industrial Engineering Department  
15 Temmuz Şehitler Binası Ayvalı Mah. Halil Sezai Erkut Cad. 150.Sok. Etlik /Ankara  
Tel : 0090 312 906 2234

---