

## Res. Asst. PhD DENİZ UZTÜRK BARAN

### Personal Information

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Publons / Web Of Science ResearcherID: AAB-4952-2020

ScopusID: 57195929702

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### Education Information

Doctorate, Galatasaray University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (Dr), Turkey 2017 - 2023

Postgraduate, Galatasaray University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (YI) (Tezli), Turkey 2014 - 2017

Undergraduate, Istanbul Technical University, Maden Fakültesi, Maden Mühendisliği Bölümü, Turkey 2008 - 2014

### Dissertations

Doctorate, DIGITALIZATION IN AGRICULTURE: DESIGN AND MODELLING OF SMART AGRICULTURE SYSTEMS, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Endüstri Mühendisliği, 2023

Postgraduate, Sustainable university building design with integrated 2-tuple with QFD, Galatasaray Üniversitesi, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği (YI) (Tezli), 2018

### Research Areas

Industrial Engineering, Supply Chain and Logistics Management, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Galatasaray University, İktisadi Ve İdari Bilimler Fakültesi, İşletme, 2018 - Continues

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

- I. **Industry 4.0 technologies in Smart Agriculture: A review and a Technology Assessment Model proposition**  
UZTÜRK BARAN D., BÜYÜKÖZKAN FEYZİOĞLU G.  
Technological Forecasting and Social Change, vol.208, 2024 (SSCI)
- II. **Fermatean fuzzy sets and its extensions: a systematic literature review**  
BÜYÜKÖZKAN FEYZİOĞLU G., UZTÜRK BARAN D., Ilıcak Ö.  
Artificial Intelligence Review, vol.57, no.6, 2024 (SCI-Expanded)
- III. **Integrated design framework for smart agriculture: Bridging the gap between digitalization and**

## **sustainability**

BÜYÜKÖZKAN FEYZİOĞLU G., UZTÜRK BARAN D.

Journal of Cleaner Production, vol.449, 2024 (SCI-Expanded)

- IV. **Strategic Analysis for Advancing Smart Agriculture with the Analytic SWOT/PESTLE Framework: A Case for Turkey**  
UZTÜRK BARAN D., BÜYÜKÖZKAN FEYZİOĞLU G.  
Agriculture (Switzerland), vol.13, no.12, 2023 (SCI-Expanded)
- V. **Influential factor analysis for cloud computing technology service provider**  
Büyükozkcan G., UZTÜRK BARAN D., Maden A.  
Technological Forecasting and Social Change, vol.192, 2023 (SSCI)
- VI. **Evaluating Blockchain requirements for effective digital supply chain management**  
BÜYÜKÖZKAN FEYZİOĞLU G., Tufekci G., UZTÜRK BARAN D.  
INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, vol.242, 2021 (SCI-Expanded)
- VII. **A novel Pythagorean fuzzy set integrated Choquet integral approach for vertical farming technology assessment**  
Büyükozkcan G., Göçer F., UZTÜRK BARAN D.  
COMPUTERS & INDUSTRIAL ENGINEERING, vol.158, 2021 (SCI-Expanded)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **2-Tuple Linguistic Model-based Circular Maturity Assessment Methodology: A Case for Agriculture**  
UZTÜRK BARAN D., BÜYÜKÖZKAN FEYZİOĞLU G.  
10th IFAC Triennial Conference on Manufacturing Modelling, Management and Control (MIM), Nantes, France, 22 - 24 June 2022, vol.55, pp.2036-2041
- II. **A Novel 2-Tuple SAW-MAIRCA Method for Partner Evaluation for Circular Economy**  
Büyükozkcan G., UZTÜRK BARAN D.  
International Conference on Intelligent and Fuzzy Systems, INFUS 2021, İstanbul, Turkey, 24 - 26 August 2021, vol.307, pp.113-120
- III. **Novel ELICIT Information-based MOORA Approach for Vertical Farming Technology Assessment**  
Buyukozkan G., UZTÜRK BARAN D.  
2021 IEEE CIS International Conference on Fuzzy Systems, FUZZ 2021, Virtual, Online, Luxembourg, 11 - 14 July 2021, vol.2021-July
- IV. **Fleet Vehicle Selection for Sustainable Urban Logistics**  
Büyükozkcan G., Uztürk D.  
9th International Conference on Informatics, Environment, Energy and Applications, IEAA 2020, Amsterdam, Netherlands, 13 - 16 March 2020, pp.116-120
- V. **Integrated Fuzzy Multi Criteria Decision Making Approach for Sustainable Energy Technology Selection**  
Büyükozkcan G., Havle C. A., Feyziolu O., UZTÜRK D.  
9th International Conference on Informatics, Environment, Energy and Applications, IEAA 2020, Amsterdam, Netherlands, 13 - 16 March 2020, pp.93-98
- VI. **Smart fridge design with interval-valued intuitionistic fuzzy QFD**  
Büyükozkcan G., UZTÜRK D.  
International Conference on Intelligent and Fuzzy Systems, INFUS 2019, İstanbul, Turkey, 23 - 25 July 2019, vol.1029, pp.1170-1179
- VII. **Fuzzy linguistic integrated methodology for sustainable hospital building design**  
UZTÜRK D., Romero A. L., Büyükozkcan G., Martinez L.  
International Conference on Intelligent and Fuzzy Systems, INFUS 2019, İstanbul, Turkey, 23 - 25 July 2019, vol.1029, pp.1180-1188
- VIII. **2-tuple linguistic integrated group decision making methodology for E-commerce strategy selection**

Büyüközkan G., UZTÜRK BARAN D.

11th Conference of the European Society for Fuzzy Logic and Technology, EUSFLAT 2019, Prague, Czech Republic, 9 - 13 September 2019, pp.706-713

- IX. **An Integrated Cloud Service Selection Methodology for Businesses**  
Uztürk Baran D., Büyüközkan Feyzioğlu G., Öztekin M. Y., Negüs A. F.  
WCE 2019, London, United Kingdom, 3 - 06 July 2019, pp.1-5
- X. **Smart Last Mile Delivery Solution Selection for Cities**  
BÜYÜKÖZKAN FEYZİOĞLU G., UZTÜRK BARAN D.  
2019 World Congress on Engineering, WCE 2019, London, England, 3 - 05 July 2019, vol.2240, pp.278-284
- XI. **2-tuple based VIKOR methodology for green building certification selection**  
UZTÜRK D., Büyüközkan G., NEGÜS A. F., ÖZTEK M. Y.  
2018 World Congress on Engineering, WCE 2018, London, United Kingdom, 4 - 06 July 2018, vol.2236, pp.484-489
- XII. **Stakeholder preference based 2-tuple integrated method for sustainable hospital design**  
UZTÜRK D., Büyüközkan G.  
2018 World Congress on Engineering, WCE 2018, London, United Kingdom, 4 - 06 July 2018, vol.2236, pp.441-446
- XIII. **Combined QFD TOPSIS Approach with 2-Tuple Linguistic Information for Warehouse Selection**  
BÜYÜKÖZKAN FEYZİOĞLU G., UZTÜRK D.  
IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), Naples, Italy, 9 - 12 July 2017

## Metrics

Publication: 22

Citation (WoS): 15

Citation (Scopus): 88

H-Index (WoS): 2

H-Index (Scopus): 4