

## CURRICULUM VITAE

- Name Surname** : Metehan ATAY
- Date of Birth** : 12.06.1995
- Title** : Assist. Prof. Dr.
- Education Level** : Ph.D
- Current Affiliation** : Hasan Kalyoncu University

Degree	Field	University	Year
B.Sc.	Industrial Engineering	Gaziantep University	2013-2017
B.Sc.	Industrial Engineering	University of POLITEHNICA Bucharest (Erasmus+)	2017-2018
B.Sc.	Mechanical Engineering (Minor)	Gaziantep University	2016-2018
M.Sc.	Operations Research	Gaziantep University	2018-2020
Ph.D.	Operations Research	Gaziantep University	2020-2024

### 5. Academic Titles

- Assist. Prof. Dr. : 03.06.2024  
Assoc. Prof. Dr. :  
Professor :

### 6. M.Sc. and Ph.D. Thesis

#### 6.1. M.Sc. Thesis

Designing Domestic Flight Network Depending Aircraft Type and Hub Locations in Turkey (ID :623063)

#### 6.2. Ph.D. Thesis

Navigating Managerial Challenges in the Airline Industry: Insights from Flight Network Design and Fleet Structuring (ID :860893)

### 7. Publications

#### 7.1. International Peer Reviewed Journals (SCI,SSCI,Arts and Humanities)

- Atay, M. (2025). From Operations to Policy: Integrating the CII Index into Analytical Frameworks for Airline Decarbonization, 174(3), 103841 (Q1)
- Atay, M., Eroğlu, Y., & Ulusam Seçkiner, S. (2021). Investigation of breaking points in the airline industry with airline optimization studies through text mining before the covid-19 pandemic. *Transportation Research Record*, 2675(5), 301-313. (Q1)
- Atay, E., Bahadır Yılmaz, E., & Atay, M. (2024). Analysis of dementia research trends in nursing using text mining approach. *Psychogeriatrics*. (Q2)

#### 7.2. Other International Journals

- Atay, M., Eroğlu, Y., & Seçkiner, S. U. (2022). Does fleet standardization matter on profitability and financial policy response of airlines during COVID-19 pandemics in the US?. *EURO Journal on Transportation and Logistics*, 11, 100088.
- Atay, M., Eroglu, Y., & Seckiner, S. U. (2023). Domestic flight network hub location problem under traffic disruption with sustainability provision. *Case Studies on Transport Policy*, 12, 101011.
- Atay, M., Seckiner, S. U., & Eroglu, Y. (2025). Critical limit assessment and optimization of airline fleet service strategy. *Journal of the Air Transport Research Society*, 4, 100052.

### 7.3. Published International Conference Proceedings

- a. Forecasting Monthly Sales of Vendor Machine: A Case Study, IWCF 2017 International Web Conference on Forecasting (ISBN 978-605-67889-0-1)
- b. Yiğit, F., & Atay, M. (2022). A SWARA-VAHP and FCM Based Model Proposal for MCIC. International conference on Science, Engineering Management and Information Technology (SEMIT 2022) 2-3 February 2022, Ankara, Turkey

### 7.4. National Peer Reviewed Journals

- a. Atay, M., Eroğlu, Y., & Seçkiner, S. U. (2019). Demand Forecasting and Turkish Airlines Domestic Fleet Optimization at the 3rd Istanbul Airport with Artificial Neural Networks and Adaptive Neurofuzzy Systems. *Industrial Engineering*, 30(2), 141-156.
- b. Seçkiner, S., Atay, M., & Eroğlu, Y. (2021). Applications and Future of Robotic Process Automation in the Aviation Sector. *Journal of Aviation*, 5(2), 290-297.
- c. ATAY, M., EROĞLU, Y., & SEÇKİNER, S. (2021). Analysis of strategic and financial decision factors of airline companies under operational disruption during the COVID-19 crisis. *Journal of Aviation and Space Studies*, 2(1), 70-88.
- d. CIKMAZ, G., ATAY, M., & Keskin, H. (2022). Investigation of the effects of Ukraine-Russia tension on Turkish airspace and Istanbul Airport. *Journal of Aviation*, 6(2), 228-234.
- e. ATAY, M., ALHAMAD, M., Çetinkaya, C., & SEÇKİNER, S. (2023). Modeling of Syrian refugee camps and humanitarian aid depot locations using geographic information system (GIS) and linear programming. *Çukurova University Faculty of Engineering Journal*, 38(3), 633-645.

### 7.6. Published National Conference Proceedings

- a. Scenario Based Stochastic Green Hub Location Problem For Airline Expansion Strategy, Gaziantep University, 42. National Operations Research Congress, 2023
- b. Airline Fleet Analysis And Optimization Through Response Surface Methodology, Hasan Kalyoncu Üniversitesi, 21st International Logistics and Supply Chain Congress, 2023
- c. Estimation to Number of Passengers by Using ANN, ANFIS Techniques and Optimization to Fleet Assignment of Turkish Airlines: 3. Istanbul Airport Case , National Operations Research and Industrial Engineering Congress 2018, Eskisehir/Turkey.

### 7.7. Other Publications

## 8. Projects

### **COST Association – European Cooperation in Science and Technology**

- a. CA23159 - Decarbonising Waterborne Transportation (DeWaTra) (17.10.2024- 16.10.2028)  
WG 3. Operation of ship propulsion systems with alternative fuels  
WG 4. Renewable energy contributions to ship energy efficiency
- b. CA23138 - Port City Territories in Action: A collaborative Laboratory for Inclusive Energy Transition (PACT) (20.10.2024-22.10.2028)  
WG 2. Knowledge discovery in data  
WG 3. Theoretical knowledge
- c. CA23157 CA23157 - European Network for Multiple View Life Cycle Sustainability Assessment (MultiViewLCSA) (28.10.2024-27.10.2028)  
WG 1. Multiple-View Modelling of LCSA  
WG 2. Data Governance for LCSA
- d. CA23104 - Mainstreaming water reuse into the circular economy paradigm (Water4Reuse)  
WG 1. Institutional framework and socio-economic aspect of water REUSE: from knowledge to strategies
- e. CA22124 - EU Circular Economy Network for All: Consumer Protection through reducing, reusing, repairing (ECO4ALL)  
WG 3. Comparative country analysis and best practices identification.