

ŞİRİN ÖZLEM

Nationality: Turkish

Email Address: sirin.ozlem@isikun.edu.tr

Education:

PhD – Bogazici University, Industrial Engineering (2018) – GPA: 3.44 / 4

- Thesis Title: Risk Analysis and Modeling of the Maritime Traffic in the Strait of Istanbul
- Thesis Supervisor: Prof. Ilhan OR

MSc – Bogazici University, Industrial Engineering (2011) - GPA: 3.38 / 4

- Thesis Title: Simulation of the Vessel Traffic in the Strait of Istanbul
- Thesis Supervisor: Prof. Ilhan OR

BSc – Anadolu University, Management (2011)

BSc – Uludag University, Industrial Engineering, (2008) - GPA: 3.52/4 (ranked 2nd)

Academic Positions:

Research Assistant–MEF University, Industrial Engineering (2014-2020)

Assistant Professor-Işık University, Industrial Engineering (2020-)

Courses Taught:

Operations Research II

Statistics for Engineers

Statistics and Probability (half semester)

Risk Analysis

Publications:

1. **Özlem, Ş.**, Altan Y.C., Otay N. E., Or, I., “Grounding Probability in Narrow Waterways”, *Journal of Navigation*, <https://doi.org/10.1017/S0373463319000572>, 2019.
2. **Özlem, Ş.**, Otay N. E., Or, I., “Scheduling and Simulation of Maritime Traffic in Congested Waterways: An Application to the Strait of Istanbul”, *Journal of Navigation*, 2019, under review.
3. Tan, Ö.F., **Ş. Özlem**, “Ramadan Effect on Stock Markets”, *Journal of Research in Business*, 2018.
4. **Özlem, Ş.**, Altan Y.C., Otay N. E., Or, I., “Quantifying the grounding probability in narrow waterways”, accepted as book chapter and to be presented in *8th International Conference on Collision and Grounding of Ships and Offshore Structures*, 21 – 23 October 2019, Lisbon, Portugal.
5. Dorantes-Gonzalez, D. J., Küçükaydın, H., Özlem, Ş., Bulgan, G., Aydın, U., Son Turan, S., Teixeira, F. F. Improved business model representation of innovation concepts. *World Conference on Technology, Innovation and Entrepreneurship*, 2015.

6. **Özlem Ş.**, Or, I., “İstanbul Boğazı Deniz Kazaları Olasılıklarının Bayes Ağları ve Benzetim Esaslı Modellenerek İncelenmesi”, YAEM National Conference, Ankara, September 2015.
7. **Özlem Ş.**, “A Bayesian Network to Study the Factors Affecting the Vessel Accidents in the Strait of Istanbul”, 1st National Vessel Traffic Services Congress, Vessel Traffic Operators Society, 2014.
8. **Özlem Ş.**, Or, I., Simulation of The Vessel Traffic Schedule in The Strait of Istanbul, 8th International Mediterranean and Latin American Modeling Multiconference, EMSS2011, Rome, Italy, 2011.