

Curriculum Vitae
Nurdan Tüysüz, Assist Prof.
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1. Education – degree, discipline, institution, year:

- a. **BSc:** Selçuk University, Industrial Engineering, 2013.
- b. **MSc:** İstanbul University, Industrial Engineering, 2017.
- c. **PhD:** İstanbul Technical University, Industrial Engineering, 2024.

2. Academic and Professional Experience – institution/entity, rank, years, full / part time:

- a. **Research Assistant:** Istanbul Gelisim University, Industrial Engineering, 2016-2024, full-time.
- b. **Assistant Professor:** Istanbul Gelisim University, Industrial Engineering, 2024-present, full-time.

3. Professional Credentials, Certifications, or Licensing - In addition to Item 1:

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4. Professional Development Activities: Below all are Professional Development Activities

- a. **Master's thesis:** A proposal of hesitant fuzzy logic based cities ranking model for supermarket retailing, İstanbul University Institute of Graduate Studies in Science and Engineering, İstanbul University, 2017.
- b. **Ph.D. thesis:** Extensions of Z-fuzzy Numbers and Novel Multi Criteria Decision Making Models, İstanbul Technical University Graduate Education Institute, İstanbul Technical University, 2024.

5. Contributions to Discipline (Service, Publications, Presentations):

Service activities:

- a. Orientation commission member of the department of Industrial Engineering, İstanbul Gelisim University, 2016-present
- b. Erasmus exchange commission member of the department of Industrial Engineering, İstanbul Gelisim University, 2016-present
- c. MÜDEK-ABET Education-Training Planning and Coordination Commission member of Industrial Engineering, İstanbul Gelisim University, 2016-present
- d. Amnesty commission member of the department of Industrial Engineering, İstanbul Gelisim University, 2016-present
- e. Bologna commission member of the department of Industrial Engineering, İstanbul Gelisim University, 2016-present
- f. Double major/minor commission member of the department of Industrial Engineering, İstanbul Gelisim University, 2016-present

Some of Book Publications:

- a. Çelikbilek, Y., Tüysüz, N., & Tüysüz, F. (2021). Multi-criteria Assessment of Sustainability for Energy Systems Under Uncertainty: Grey-Based Approach. In *Energy Systems Evaluation (Volume 2) Multi-Criteria Decision Analysis* (pp. 103-128). Cham: Springer International Publishing.

Some Articles published in international peer-reviewed journals:

- a. Yıldız, N., Tüysüz, F., (2019), A Hybrid Multi-Criteria Decision Making Approach for Strategic Retail Location Investment: Application to Turkish Food Retailing, *Socio-Economic Planning Sciences*, 68, 100619.
- b. Tüysüz F. & Yıldız, N., (2020), A novel multi-criteria analysis model for the performance evaluation of bank regions: an application to Turkish agricultural banking, *Soft Computing*, 24, 5289-5311.

- c. **Tüysüz, N., & Kahraman, C.** (2020), CODAS method using Z-fuzzy numbers. *Journal of Intelligent & Fuzzy Systems*, 38(2), 1649-1662.
- d. **Tüysüz, N., & Kahraman, C.** (2020), Evaluating social sustainable development factors using multi-experts Z-fuzzy AHP. *Journal of Intelligent & Fuzzy Systems*, 39(5), 6181-6192.
- e. Sari, I. U., & **Tüysüz, N.** (2022), COVID-19 Risk Assessment of Occupations Using Interval Type 2 Fuzzy Z-AHP & Topsis Methodology. *Journal of Multiple-Valued Logic & Soft Computing*, 38.
- f. **Tüysüz, N., & Kahraman, C.** (2023). A Novel Z-Fuzzy AHP&EDAS Methodology and Its Application to Wind Turbine Selection. *Informatica*, 34(4), 847-880.
- g. **Tüysüz, N., & Kahraman, C.** (2023) An Integrated Picture Fuzzy Z-AHP & TOPSIS Methodology: Application to Solar Panel Selection. *Applied Soft Computing*, 110951.
- h. **Tüysüz, N., & Kahraman, C.** (2024). A Novel Decomposed Z-Fuzzy TOPSIS Method with Functional and Dysfunctional Judgments: An Application to Transfer Center Location Selection. *Engineering Applications of Artificial Intelligence*, 127, 107221.
- i. **Tüysüz, N., & Kahraman, C.** (2024). Interval-Valued Spherical Fuzzy Z-AHP Method based on Reliability of Judgments: Green Supplier Selection. *Journal of Multiple-Valued Logic & Soft Computing*, 42.

Some Papers Presented at International/National Scientific Meetings:

- a. **Yıldız, N. & Tüysüz, F.,** (2017), Studies on Renewable Energy for Turkey: A Review, 23-25 December 2017, *4th International Conference on Pure and Applied Sciences: Renewable Energy*, İstanbul, Turkey, pp.175-175.
- b. **Tüysüz, F. & Yıldız, N.,** (2017), A Simulation Based Multi-Criteria Approach For The Analysis of Sustainability Factors in Supply Chains, 19-20 October 2017, *The 15th International Logistics and Supply Chain Congress*, İstanbul, Turkey, pp. 1-7.
- c. **Yıldız, N. & Tüysüz, F.,** (2017), Simulation Based Multi-Criteria Analysis of the Factors Used for the Evaluation of Retail Location Selection, 14-15 October 2017, *The 5th International Fuzzy Systems Symposium*, Ankara, Turkey, pp. 41.
- d. **Yıldız, N. & Tüysüz, F.,** (2017), Multi Criteria Decision Model For Solid Waste Management: A Case Of Turkey, 21-24 September 2017, *International Congress of the New Approaches and Technologies for Sustainable Development*, Isparta, Turkey, pp. 633-634.
- e. **Yıldız, N. & Tüysüz, F.,** (2017), A Multi-Criteria Decision Model Proposal for the Analysis of Sustainable Development Factors, 21-24 September 2017, *International Congress of the New Approaches and Technologies for Sustainable Development*, Isparta, Turkey, pp. 635-636.
- f. **Yıldız, N., Tüysüz F.,** (2018), A Multi-Objective Decision Model for Evaluating Energy Sources, 20-24 June 2018, *International Conference on Applied Analysis and Mathematical Modelling*, İstanbul, Turkey.
- g. **Yıldız, N., Tüysüz F.,** (2018), A Multi-Criteria Decision Model for the Performance Evaluation of Financial Organizations: A Case of Turkey, 20-24 June 2018, *International Conference on Applied Analysis and Mathematical Modelling*, İstanbul, Turkey.
- h. **Yıldız, N., Kahraman C.,** (2020), Evaluation of Social Sustainable Development Factors Using Buckley's Fuzzy AHP Based on Z-Numbers, 23-25 July 2019, *International Conference on Intelligent and Fuzzy Systems*, İstanbul, Turkey.
- i. **Tüysüz, N., & Kahraman, C.** (2023) Picture Fuzzy Z-AHP: Application to Panel Selection of Solar Energy. In *International Conference on Intelligent and Fuzzy Systems*, August 22-24, 2023 İstanbul, Turkey (pp. 337-345). Cham: Springer Nature Switzerland.