Füsun Recal
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Education

Yıldız Technical University , Turkey   2015 – 2022
PhD in Industrial Engineering
Thesis: A Machine Learning Framework for Converting National
Occupational Accidents Data into Decision Support Output

Kent State University, U.S.A
M.Ed. in Evaluation and Measurement   2010 – 2011
M.Tech. in Technology Management   2009 – 2010

Bahcesehir University, Turkey
MSc. in Industrial Engineering   2007 – 2009

Isik University , Turkey   2001 – 2006
BSc. in Industrial Engineering
Full Scholarship

Publications in International SCI

- Füsun Recal and Tufan Demirel (2021), "Comparison of Machine Learning Methods in Predicting Binary and Multi-class Occupational Accident Severity". Journal Of Intelligent & Fuzzy Systems, 40 (6): 10981-10998. DOI: 10.3233/jifs-202099
- Sukran Seker, Fusun Recal, Huseyin Basligil (2017), "A combined DEMATEL and grey system theory approach for analyzing occupational risks: A case study in Turkish shipbuilding industry". Human and Ecological Risk Assessment, 23:6, 1340-1372, DOI: 10.1080/10807039.2017.1308815

Presentations in Conferences

- Tunç Bozbura & Füsun Ersin, "TRIZ (Theory of Solving Inventive Problems) in Human Capital Management". TMT 2009, 13th International Research/Expert Conference on Trends in the Development of Machinery and Associated Technologies Conference, Hammamet, Tunisia

Posters

- Füsun Recal & Tufan Demirel, Analysis of Occupational Accidents Among Sales and Related Workers in Grocery Stores Between 2013-2017, 9th International Congress on Occupational Safety and Health, 2018.

Academic Experience

Asst. Professor   10.2022 – Present
Department of Industrial Engineering, Isik University

- Production Systems
- ERP Systems
- Ergonomics and Work Measurement

Part Time Teaching Position   09.2018 – 09.2022

Department of Industrial Engineering, Isik University

- Ergonomics and Work Measurement
- Production Systems
- Reliability Engineering
- Logistics Management
- Occupational Safety and Health

Research Assistant   02.2008 – 08.2009

Vice President Office, Bahcesehir University

Assisted to Institutional Assessment and International Projects such as EUA Self
Evaluation study, Higher education Quality/Performance monitoring studies,
ERASMUS Life Long Learning and IP Projects

Teaching Assistant   02.2006 – 08.2008

Department of Industrial Engineering, Isik University

Assisted courses: System Simulation, Supply Chain Management,
Engineering Economy

Skills

R (Skill level: 5/5), VBA (Skill level: 4/5), Python (Skill level: 4/5), HTML (Skill level: 3/5), SQL (Skill level: 3/5)
English proficiency (Skill level: 4/5)

Qualifications / Certificates

Occupational Health and Safety B class Certificate
ISO 9001:2015 Internal Auditor Certificate
Netoloji Eflow Designer Certificate