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PERSONAL

Date of Birth	July 5, 1986
Place of Birth	Ankara, Turkey

ACADEMIC POSITIONS

10/2023 -	Associate Professor, Department of Industrial Engineering Atılım University, Turkey
06/2022 – 10/2023	Assistant Professor, Department of Industrial Engineering Atılım University, Turkey
12/2019 – 06/2022	Assistant Professor, Department of Mathematics Atılım University, Turkey
02/2015 - 09/2019	Instructor, Department of Statistics Ankara University, Turkey

EDUCATION

2012-2018	Middle East Technical University, Institute of Applied Mathematics, Financial Mathematics, Ph.D.
2009-2012	Middle East Technical University, Institute of Applied Mathematics, Financial Mathematics, M.S.
2007-2010	Cankaya University, Faculty of Economics and Administrative Science, Department of International Trade, B.S.
2005-2009	Cankaya University, Faculty of Economics and Administrative Science, Department of Management, B.S.
1997-2004	TED Ankara College

HONORS&AWARDS

2	TUBITAK - 2211 National Graduate Scholarship Programme
1	TUBITAK - 2210 National Scholarship Programme for MSc Students

RESEARCH INTERESTS

1	Data Science
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GRANTS

2	TÜBİTAK 1002 - Development of a Univariate Hybrid Deep Learning Model for Wind Energy, Grant no. 122F064, Principal Researcher.
1	TUBITAK 3501- Approximation of the Buffer Overflow Probabilities of Markov Modulated Parallel Queues and their Applications, Grant no. 122F043, Researcher.

PUBLICATIONS

12	Yoruk, G., Bac, U., Yerlikaya-Ozturk, F., Unlu, K. D. Strategic Electricity Production Planning of Turkey via Mixed Integer Programming Based on Time Series Forecasting. Mathematics, 11, 1865, 2023. doi:10.3390/math11081865 (JIF Quartile = Q1)
11	Eryilmaz, S., Unlu, K. D. A new generalized -shock model and its application to 1-outof-(m+1):G cold standby system." Reliability Engineering and System Safety, 234, 109203, 2023. doi:10.1016/j.ress.2023.109203 (JIF Quartile = Q1)
10	Esager, M.W.M, Unlu, K. D. Forecasting Air Quality in Tripoli: An Evaluation of Deep Learning Models for Hourly PM2:5 Surface Mass Concentrations." Atmosphere,14, 478 2023. doi:doi.org/10.3390/atmos14030478 (JIF Quartile = Q3)
9	Akdi, Y., Karamanoglu, Y.E., Unlu, K. D., Bas, C. Identifying the cycles in COVID-19 infection: the case of Turkey." Journal of Applied Statistics, 50:11-12, 2023. doi:10.1080/02664763.2022.2028744 (JIF Quartile = Q2)
8	Akbal, Y., Unlu, K. D. A univariate time series methodology based on sequence-to-sequence learning for short to midterm wind power production." Renewable Energy, 200, 832:844, 2022. doi:10.1016/j.renene.2022.10.055 (JIF Quartile = Q1)
7	Unlu, K. D. A Data-driven model to forecast multi-step ahead time series of Turkish daily electricity load." Electronics, 11:10, 154, 2022. doi:10.3390/electronics11101524 (JIF Quartile = Q2)
6	Akbal, Y., Unlu, K. D. A deep learning approach to model daily particular matter of Ankara: key features and forecasting." Int. J. Environ. Sci. Technol, 19, 5911:5927, 2022. doi:10.1007/s13762-021-03730-3 (JIF Quartile = Q3)
5	Basoglu Kabran, F., Unlu, K. D. A two-step machine learning approach to predict S&P 500 bubbles." Journal of Applied Statistics, 48:13-15, 2231:2238, 2021. doi:10.1080/02664763.2020.1823947 (JIF Quartile = Q3)
4	Akdi, Y., Golveren, E., Unlu, K. D., Yucel, M.E. Modeling and forecasting of monthly PM2:5 emission of Paris by periodogram-based time series methodology." Environ Monit Assess 193, 622, 2021. doi:10.1007/s10661-021-09399-y (JIF Quartile = Q3)
3	Akdi, Y., Unlu, K. D. Periodicity in precipitation and temperature for monthly data of Turkey." Theor Appl Climatol, 143, 957:968, 2021. doi:10.1007/s00704-020-03459-y (JIF Quartile = Q3)
2	Okkaoglu, Y., Akdi, Y., Unlu, K. D. Daily PM10, periodicity and harmonic regression model: The case of London." Atmos Environ, 238, 117755, 2020. doi:10.1016/j.atmosenv.2020.117755 (JIF Quartile = Q1)
1	Unlu, K. D., Sezer, A. D. Excessive backlog probabilities of two parallel queues." Ann Oper Res, 293, 141:174, 2020. doi:10.1007/s10479-019-03324-w (JIF Quartile = Q1)

CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	112
H-index (ISI Web of Science):	6