

Dr. Özge Çelik

Dr. Özge Çelik received her Ph.D. in Mathematics from Balıkesir University, Türkiye, in 2026. She is currently a Mathematics Teacher with the Turkish Ministry of National Education and actively conducts interdisciplinary research in artificial intelligence and applied mathematics.

Her research focuses on deep learning, explainable artificial intelligence (XAI), photovoltaic power forecasting, time-series analysis, smart grids, and mathematical modeling. She has developed hybrid neural network architectures based on CNN, LSTM, GRU, and Transformer models for renewable energy forecasting and has contributed to several international conference proceedings and peer-reviewed journal publications. Her current research interests include trustworthy AI, computationally efficient deep learning models, and computer vision applications in medical imaging.

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