

Laboratory Name: Turkcell 6GEN.LAB: Artificial Intelligence and 6G Laboratory

Company: Turkcell İletişim Hizmetleri A.Ş.

Laboratory Manager: Güneş Fatma Kesik

Laboratory Manager Short Biography: Güneş Fatma Kesik is the Associate Director of Next Generation R&D team at Turkcell, with over 15 years of experience in the telecommunications and innovation ecosystem. She received her B.Sc. degree in Electrical and Electronics Engineering from Middle East Technical University and later completed her M.Sc. in Business Administration at Sabancı University. She also participated in the Ericsson MAGNET Global Innovation Program at Northeastern University.

She started her professional career as a Radio Planning and Optimization Engineer at Vodafone, followed by senior engineering roles at Nokia. Throughout her career, she has held positions with increasing responsibilities in technology strategy, innovation management, research coordination, and business development at leading organizations including VELDO Technology, GOHM Electronics, Sabancı University, Ericsson, and Turkcell.

Before joining Turkcell in 2025, she served as Research and Innovation Engagements Manager and Research Projects Coordinator at Ericsson, where she led strategic research collaborations, technology scouting activities, and international R&D initiatives. Her expertise covers R&D strategy, innovation management, technology foresight, portfolio and program management, research funding acquisition, and the coordination of large-scale national and international research projects.

She has extensive experience in establishing collaborations between industry and academia, managing multidisciplinary international consortia, and leading research and innovation programs in next-generation communication technologies. Her work has contributed to several European research initiatives, and she is the co-author of multiple scientific publications in the fields of 6G, network security, AI-native networking, and future network architectures.

Research Area:

- 6G Technologies
- Cognitive and Trustworthy Networks
- Network Management and Automation
- Physical Layer Technologies and Radio Protocols