

## **Metin DİNMEZ**

Metin DİNMEZ is a Research Assistant in the Chemical Engineering Department of Konya Technical University, Türkiye, and is currently pursuing his M.Sc. degree in Chemical Engineering. He received his B.Sc. degree (2025) in Chemical Engineering from Çanakkale Onsekiz Mart University. His main research interests include surface science, thin films, plasma-enhanced chemical vapor deposition (PECVD), functional coatings, and nanoparticle synthesis. He has experience in the development and characterization of functional surfaces and coatings using plasma-based deposition techniques. His current research focuses on the synthesis and characterization of SiO<sub>x</sub>-based nanoparticles and functional hydrophobic surfaces using PECVD. His research also focuses on understanding the relationships between deposition parameters, surface morphology, chemical structure, and wettability properties of functional surfaces. His broader research interests include advanced functional materials, surface modification, plasma processing, hydrophobic coatings, nanoparticle synthesis, and machine learning-assisted process modeling and optimization.

