

Yigit Osman AKYILDIZ

Yigit Osman Akyıldız is a Ph.D. student in the Department of Biochemistry at Selçuk University, Türkiye, and an R&D Specialist at YEO Teknoloji. He received his B.Sc. degree in Biotechnology and M.Sc. degree in Biochemistry from Selçuk University, where his master's research focused on hydrogen production at liquid/liquid interfaces. His main research interests include hydrogen production, photocatalysis, photoelectrochemistry, electrocatalysis, and interfacial energy conversion processes. He has experience in the synthesis and characterization of catalytic materials and in the development of electrochemical and photocatalytic systems for sustainable energy applications. His research activities also include CO₂ reduction, O₂ reduction and NH₃ production. During his academic career, he has participated in a TÜBİTAK 1002 project and several other research projects, gaining experience in advanced electrochemical and material characterization techniques. Alongside his academic studies, he works at YEO Teknoloji, where he contributes to research and development activities focused on hydrogen and sustainable energy technologies.

