

Talha Kuru



Talha Kuru received his B.Sc. and M.Sc. degrees in Biotechnology from Selçuk University, Türkiye, in 2020 and 2023, respectively, and is currently pursuing his Ph.D. in Biotechnology at the same university. Alongside his academic studies, he works as an R&D Specialist at YEO Teknoloji Energy and Industry Inc., where he contributes to research and development activities in renewable energy and advanced energy technologies. His research focuses primarily on photocatalytic, piezocatalytic, and photo-enhanced piezocatalytic hydrogen production, semiconductor-based catalyst design, heterojunction systems, clay-supported functional materials, and electrochemical energy conversion, including hydrogen and ammonia production. He has authored or co-authored 8 peer-reviewed articles indexed in SCI/SCI-Expanded journals and is an inventor on two granted national patents related to catalytic materials and hydrogen production technologies. He has also presented his research at numerous national and international scientific conferences. His current h-index is 6, with more than 90 citations according to Google Scholar, reflecting his growing contributions to sustainable hydrogen production and functional materials for renewable energy applications.