

Dr. Turan Gürgeç is an Associate Professor of Automotive Engineering at Firat University, Turkey. He earned his Ph.D. in Mechanical Engineering with a focus on surface enhancement using plasma transferred arc techniques and was later awarded the Associate Professorship in the field of Materials and Manufacturing. His research interests lie at the intersection of nanomaterials, tribology, advanced coatings, thermal energy storage, and intelligent systems for automotive and electronics applications. Dr. Gürgeç has led and contributed to over 25 funded research projects and is the inventor of several patents in smart materials and mechanical systems. He has published extensively in SCI-indexed journals and supervised numerous graduate theses. Currently, he is conducting postdoctoral research at the University of Arizona, focusing on 3D-printed micro-supercapacitors using MXene-based nanomaterials. Dr. Gürgeç is widely recognized for integrating machine learning into material behavior prediction and for his work in sustainable and functional material systems.