

Postdoctoral researcher specializing in Femtosecond Laser Micromachining (FLM) and surface nanostructuring. His research primarily centers on the theoretical study and fabrication of Laser-Induced Periodic Surface Structures (LIPSS) tailored for applications in solar energy conversion, electrochemistry, and optics. His additional expertise includes morphological, structural, and chemical characterizations of materials, as well as microwave-assisted Chemical Vapor Deposition of diamond. Furthermore, he engages in the design, fabrication, and characterization of solid-state detectors based on wide-bandgap semiconductors.