PhD Candidate specializing in advanced battery technologies and electrochemical energy storage. My research focuses on developing ionic liquid-based electrolytes that enable safer, high-energy lithium batteries with enhanced performance under harsh operating conditions. Driven by the ambition to bridge scientific innovation and industrial application, I work at the intersection of materials science, electrochemistry, and sustainable energy. I am passionate about transforming cutting-edge research into technologies that can accelerate the transition toward a more electrified and sustainable future.