

Women Leading Sustainable Science: Bridging Nanotechnology, Renewable Energy, and Biodiversity Research

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Abstract

This presentation highlights a real-world example of women-led interdisciplinary research at the crossroads of nanotechnology, renewable energy, and environmental science. Focusing on a collaborative initiative between the Department of Biology, University of Tirana, and the green energy company Voltalia, we explore how photovoltaic park installations may influence local biodiversity. Through the co-supervision of a PhD project, this partnership exemplifies how academic-industry collaboration can advance sustainability goals, support female leadership in STEM, and generate data-driven insights for environmentally responsible energy solutions. The project serves as a model for integrating scientific research with societal impact and industry relevance.



Figure 1: Women in STEM Bridging Science and Impact