

Project Summary

Our group, made up of two members, Glen A. Ortiz and Jose M. Roman, started a project with Research in Nano Fabric in Puerto Rico, specifically in El Yunque National Rain Forest. In addition to nanotechnology, we are also infusing our work with biomimicry. Using biomimicry we are researching the capabilities of the lizard called the Anole, and the plantain tree leaves, which are both commonly found in Puerto Rico. We aim to improve the uniform of the rangers that work there on a daily basis, to protect them from dangers and hazards they face in their line of work. By doing so, we can make the fabric water proof, tear proof and more resistance to the weather conditions present at El Yunque. We gathered information and completed our research by studying and analyzing other ideas and projects that proved to be similar.