



Selected Applicants for 2010 Scholarship Program



HUGO R. SINDELAR IV (University of Florida): Sindelar is examining algae scrubbers and their potential for phosphorus removal. Excessive phosphorus is a major pollutant of the Everglades ecosystem. His research would answer some fundamental questions concerning phosphorus removal within the Everglades.



SYLVIA LEE (Florida International University): Lee is tackling the trajectory of the communities of algae, fungi and microbes (also called periphyton). These communities are very sensitive to changes in environmental conditions. Mapping these changes using Geographic Information Systems will be essential to understand effects of restoration in the Everglades ecosystem.



YIWEI CHENG (Georgia Institute of Technology): Cheng is developing a hydro-ecological model to understand the relationship between water-nutrient flow and vegetation patterning in order to improve management practices in the Everglades wetland.



SEN CHEN (Florida International University): Chen is looking at the role of reduced organic sulfur in methylation of mercury to advance our knowledge of mercury biogeochemistry in the Everglades. By explaining environmental methylmercury trends and local peaks, policy makers will be able to better understand the transfer of mercury from the environment to fish and implications on the management of water, sulfur and mercury in the Everglades ecosystem.

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