

LSU AgCenter: Biological & Agricultural Engineering
Summer & Fall 2023 (2-4 months. Four months preferred)
Supervisor/Mentor:
Dr. Giovanna M. Aita, PhD. Profile: https://www.lsuagcenter.com/profiles/gaita
Positions Available:
Up to two, located within the Audubon Sugar Institute.
Job Description/Responsibilities:
The interns will help conduct research in the area of biomass conversion to bioproducts. Interns will be part of any on-going research projects in nanotechnology & biotechnology. Project areas involve green synthesis of nanoparticles from renewable biomass and process by-products, nanoparticle characterization and evaluation of their biological activities (e.g., antimicrobial, antioxidant), and development of biofertilizers. Interns will be trained on safety, on the use of equipment (e.g., microplate reader, autoclave, SEM, TEM, ATR-FTIR) and basic techniques needed for the project. Interns are expected to work in the laboratory full-time alongside Dr. Aita's research team.
Qualifications:
<ul style="list-style-type: none"> • The student should have general knowledge and skills in the areas of microbiology (aseptic techniques, microbial growth, media preparation) biology, chemistry, or biochemistry, and should have completed at least his/her third year at a university level. MS and PhD students are encouraged to apply. • The candidate should be able to work as part of a multidisciplinary team and have adequate communication, writing and computational skills. Laboratory experience is required. Good housekeeping practices and techniques are a must.
Contact Information:
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