

2019 CLIFF-GRADS Awardees



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Studying at: Federal University of Piauí, Brazil

Hosted by: USDA Agricultural Research Service, Beltsville
Agricultural Research Center, USA

What is your academic background?

I'm a PhD student at the Federal University of Piauí, where I study agronomy. My thesis topic is the physical, chemical, and biological attributes and soil nitrous oxide emission in soybean, corn, grass and legumes in integrated production systems in the Cerrado of Maranhão state, Brazil.

I've also worked on studies of organic matter decomposition and mineralization in residues of grasses and forage legumes of tropical climate.

Which project have you been selected for?

"Cover crop and animal manure impacts on soil N₂O emissions", supervised by Dr Michel Cavigelli.

How will this award impact your study?

I believe that this opportunity can expand my technical knowledge: new methodologies to evaluate soil carbon and new practices of land use and management systems for mitigating soil degradation processes and emissions of greenhouse gases.

Tell us a bit more about yourself?

I have experience in studies with agroecosystems, which have potential to carbon sequestration in the soil, as a function of association of crops, like rotation and consortium. I have interest in prospective new research partnerships that can generate positive impacts in tropical agriculture through the structuring of research networks and the publication of high impact scientific papers.
