

M.S. Assistantship – Nitrogen cycling in chickpea (Fall 2022)

The Sustainable Nutrient Management Systems lab (<https://soils.ifas.ufl.edu/sustainable-nutrient-management-systems/>) in the Soil and Water Sciences Department (SWSD) at the University of Florida is seeking a M.S. research assistant to join an interdisciplinary team working on the potential of chickpea to be grown as a winter rotational crop in Northern Florida agroecosystems. The research assistant will conduct field and laboratory work to measure the transfer of nitrogen from chickpea to subsequent summer cash crops, and the effects of chickpea on soil N pools and fluxes as well as soil health indicators. This Assistantship is expected to start in the Fall of 2022 and includes a twelve-month stipend, full tuition coverage, and health insurance over a two-year period.

The successful applicant will have all or some of the following:

- a strong background in soil and plant sciences,
- experience conducting field work in agroecosystems, ideally sampling crops and soils,
- experience with lab protocols related to crop nutrition and soil fertility/health,
- experience with basic statistical analyses (regression, ANOVA), ideally in R,
- the desire to work outside in hot and humid conditions during the Florida summer.

Complete application packets are due to the SWSD by January 3, 2022 (see <https://soils.ifas.ufl.edu/academics/graduate-studies/apply/> for instructions). However, before applying, interested applicants are encouraged to contact Dr. Gabriel Maltais-Landry (maltaislandryg@ufl.edu) directly with a CV, a one-page letter of research experience and interests, and contact information (no letters required) of three referees.

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