



## **UNIVERSITY OF ALBERTA - Undergraduate Research Assistant 2018**

Greenhouse Gases Emissions from Managed Soils.

**Supervisor:** Dr. Guillermo, Hernandez Ramirez (Assistant Professor), Department of Renewable Resources

### **Project Description:**

Our research group focuses measuring greenhouse gas (GHG) emissions from croplands, grasslands, forest and other ecosystems. Our projects aim at quantifying and understanding the processes leading to increase GHG emission and also on finding effective solutions to mitigate this environmental problem. This position will involve intense field, laboratory work, and data analyses. There will be a need to learn new methods for the different projects as well as to work closely and coordinate with graduate students and technical personal associated with the research projects.

I am seeking for responsible research assistant with an interest in environmental research in managed ecosystems. The on-going projects focus on soils as the base resource for sustaining agricultural and grassland systems.

Interested candidates should e-mail a short CV, a short letter describing their previous work, research experience and interests (1-page limit), and the names and contact information of two references.

The strongest candidates will have most of the following assets:

Basics knowledge of soil,

Desire to undertake scientific approaches in fields and lab,

A willingness to conduct data input and management,

A teamwork aptitude — an ability to work independently and with others,

A valid driver license and clean driving record/abstract (full class 5 non-probationary).

Experience as operator of agricultural equipment could be an asset to this position although this aspect is not essential to this job position

Laboratory work will be located in Earth Sciences Building and South Academic Building, and the lab training will involve the use of instrumentation to quantify soil properties and gaseous emissions. Summer field work will take place in several sites across Alberta encompassing land reclamation, agricultural, grasslands and boreal forest ecosystems.

There are multiple open positions.

Remuneration: CAD 20 per hours with maximum of 40 hours per week.

Timeline for applications: until filled

Desirable timeline for this position:

30 April to 31 August 2018 (Note that there is flexibility with beginning and termination dates; these can be before or after the suggested dates).

**Contact Information:** [ghernand@ualberta.ca](mailto:ghernand@ualberta.ca)

**Website**

[https://sites.google.com/a/ualberta.ca/agroecosystems\\_group/opportunities](https://sites.google.com/a/ualberta.ca/agroecosystems_group/opportunities)

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