

Greenhouse gas fluxes in croplands, grasslands, and/or forest ecosystems

PROJECT DESCRIPTION

Increased greenhouse gas (GHG) emissions from terrestrial ecosystems are causing global climate change to progressively occur. This environmental concern substantiates our research work. Our research group focuses on understanding the processes leading to increase GHG emission and also on finding effective solutions to mitigate this environmental problem. Increased GHG emission also impacts the efficiency, sustainability and license to operate of production systems such as croplands, grasslands and forests. This position will involve quantification and interpretation of GHG fluxes under a range of management practices and biophysical conditions.

The intern will be introduced to sophisticated methods, and this work will be conducted in collaboration with other members of our team. Numerical, computational and communicational skills are highly desirable. Proactive, flexible, dedicated, well-centered, and responsible are other expected assets. The intern will work on experiments in fields and laboratory as well as data analyses and presentation. By the end of the internship, the intern will be asked to make a presentation about her/his research conducted at UAlberta campus.

FACULTY-DEPARTMENT

Agriculture, Life and Environmental Sciences - Renewable Resources

OPEN TO STUDENTS FROM THE FOLLOWING INSTITUTIONS

Chinese universities participating in the [*Double First-Class Initiative*](#).

DESIRED FIELD OF STUDENT STUDY

Soil science, environmental sciences, agriculture, atmospheric science, biological sciences, biology, botany, earth science, environmental engineering, forestry

INTERNSHIP LOCATION

Edmonton Campus

NUMBER OF INTERNSHIP POSITIONS

3

INTERNSHIP DATES

Start: July 2, 2019

End: October 2, 2019

ARE THE DATES FLEXIBLE?

Yes, I am flexible regarding the internship dates. Selected students can contact me to request a date change.