



PHD POSITION IN PLANT-SOIL MICROBIOLOGY

Plant-Microbe Lab

Project Description: A PhD position is available in the Plant-Microbe Lab under the supervision of Dr. Malinda Thilakarathna at the University of Alberta. Our current research program is focused on beneficial microorganisms, soil amendments, biotic and abiotic factors on field crop production and soil health.

Key Responsibilities:

The candidate will be part of a collaborative research group and have the opportunity to work with a multidisciplinary research team. The candidate is expected to work both independently and as part of a large research team. Current projects examine plant-microbial interactions, soil health, and soil microbiome.

Key Qualifications:

We are seeking a candidate with:

- MSc in microbiology, biology, biochemistry, molecular biology
- Experience in soil/plant microbiome (essential)
- Experience with processing next-generation sequencing data
- Experience in wet-lab molecular biology (e.g. DNA/RNA extraction, PCR, etc.)
- Experience with using R programming for statistical analyses
- Enthusiastic to learn bioinformatics
- Strong interpersonal skills
- Strong written and oral communication skills with a track record of peer-reviewed publications

Salary and Appointment: CAD \$27,000 per year.

To Apply: Please forward your CV, letter of research interests, and contact information for three references to Dr. Malinda Thilakarathna (thilakar@ualberta.ca). Please use "Plant-Microbe PhD" in the subject line.

Closing date: Interested candidates should apply by September 20, 2023, but review of applications will commence immediately.

We thank all applicants for their interest; however, only those individuals selected for an interview will be contacted.

The University of Alberta is committed to an equitable, diverse, and inclusive workforce. We welcome applications from all qualified persons. We encourage women; First Nations, Métis and Inuit; members of visible minority groups; persons with disabilities; persons of any sexual orientation or gender identity and expression; and all those who may contribute to the further diversification of ideas and the University to apply.