# Seminar

# **Professor Chunhua OU**

## Memorial University of Newfoundland, Canada

**Topic**
New Results on Traveling Waves for a Keller-Segel Model with Logistic Source

**Date| Time**
3 June 2024 (Monday) | 10:00am – 11:00am (HK Time)

**Venue:**
TU717

**Abstract:**
In this talk, we will investigate the existence of traveling waves for the Keller-Segel chemotaxis system with logistic source in parabolic-parabolic and parabolic-elliptic cases. By a unified approach, we obtain new results on the traveling waves of these systems, via a novel constructive method and applying Schauder's fixed point theorem. These findings can be further applied to study the spreading behaviors and estimate the spreading speed of the systems.

**ALL ARE WELCOME**