

Students' Annual Seminar

Mrinmoy Mukherjee

Topic I: Stability of a Model Polymer Chain in Supercooled Binary Liquid Mixture

Here, we try to understand the effect of glassy dynamics on the stability of a model polymer chain and investigate the underlying timescales which govern the degradation of the polymer chain. We hope that this will lead to understand the primary factors in protein stabilization in the context of bio preservation.

Topic II: Effect of Reproduction on Chemotactic Pattern Formation by Microorganisms

Here, we study a generic route to pattern formation by motile, reproducing microorganisms in presence of self-produced chemicals both for chemoattraction and chemorepulsion.

Thursday, May 18th 2017

4:00 PM (Tea/Coffee at 3:45 PM)

Seminar Hall, TCIS