

Anil R. Mhashal



Contact Information
Soft Matter Theory Group
Polymer & Advance Material Laboratory
National Chemical Laboratory
Pune-411 008
Phone: 91 020 25903148
Email: ar.mhashal@ncl.res.in
Website: www.thesmtg.com
Guide: Dr. Sudip Roy

Current Interests

- *Ab initio* studies of protein dynamics and mechanistic studies
- Protein folding.
- Lipid bilayer-nanoparticle interactions

Education

- BSc. Bio-technology from KET's V.G vaze college, Mumbai, Mumbai University.
- MSc. Bio-informatics from Bioinformatics Centre, University of Pune

Presentation

- MSc. Project 2009-2010. An *ab initio* approach for prediction for 3 dimensional structure of oligopeptide using conformational predicted states and interrupted multiple molecular dynamic simulation.
- Presented a poster at KIIT-2010, Bhubaneswar on An *ab initio* approach for prediction for 3 dimensional structure of oligopeptide.
- Presented a poster at TIFR & NCL 2010 on Domain motion studies of PcrA helicase using Molecular Dynamics Simulation.

Experience

- Working as a JRF from July 2010 – current. Studying the domain motion studies of PcrA helicase enzyme using molecular dynamics simulation.
- Studying the interaction of gold nanoparticle with the SOPC lipid bilayer membrane.
- Protein structure prediction of the immunoglobulin binding domain of streptococcal protein G using MD simulation.