



Mr. Rahul Sharma

Department: Chemistry

Specialization: Physical Chemistry

Designation: Assistant Professor

Qualification: M.Sc., Ph.D.

Application of Stochastic search techniques, namely, Genetic Algorithms, Particle Swarm Optimization, Differential Evolution etc., in various problems arising in Physical Chemistry, mainly:

Development of Soft computing techniques in solving Eigen problems encountered in Quantum Chemistry

Location of various maxima, minima and first order saddle points for atomic and molecular clusters, and developing methods to determine reaction paths for such systems.