*Aggregation Kinetics*

Research Objectives:

1. Performing computer simulations on Diffusion Limited Cluster- cluster Aggregation (DLCA) processes. (stochastically modeled)
2. Formulating kinetics of the sol to gel transition in these models along with effect of change in parameters of the system.
3. Can you predict the dependence of the kinetics and transition points for different volume fractions and relate it to a system independent parameter?

Learnt shell scripting because of the data analysis involved

It will be helpful in chemistry, atmospheric sciences, microbe scale biology (actually any scale as far as nearly scale invariant fractal nature of particle morphology is observed.)