

My name is AKSHAY TIWARI.

I finished my bachelors degree in “General Chemistry” in the year 2016, from SAVITRIBAI PHULE PUNE UNIVERSITY in India.

I have worked and am particularly interested in the field of non-linear dynamical systems and self assembly of microstructures to form complex and ordered structures.

I did this work under the department of Physical Chemistry.

I have worked under the Dr. Vijaye Tadki

The work consisted of monitoring the system state variables and observing the effect of natural occurring processes like viral assembling or capsid formation on simple bulk variables like pH.

Transferring this data to simple partial differential equation mathematical models to observe the replicating behaviour which can help us in the long run to replicate these naturally occurring systems and create our own self replicating and assembling systems.

I have interest in basic understanding of these self-assembling and self-governing systems and their functioning and my current supervisor is Dr. Mikhail Andreevich.