METHODOLOGY & WORK PLAN

Khed Taluka is a part of Northern Western Ghats, Pune district, Maharashtra. Khed Taluka is one of the prime Tehsil in Pune district; it is basically agricultural area and leading the production rate as compare to other Tehsil. Chaskaman dam situated at 18°15’-40” North and 73°47’-15” East; at an average altitude 1000 ml. Surveys were made to observe the agricultural field and pesticide uses around the Chaskaman Dam. The analysis of physic- chemical parameters of water carried out from Chaskaman Dam, Rajgurunagar. The following aspects are covered in the present investigation-

- Data analysis of agricultural pesticide uses and its impact
- Morphology and Taxonomy of *Rasbora daniconius*
- Internal anatomy of *Rasbora daniconius*
  
a) Toxicological studies by using agricultural pesticides Rogor on *Rasbora daniconius*.

b) Histomorphology of some systems of *Rasbora daniconius*,

WORK PLAN:

The data obtained from below mentioned aspect of the study will be useful for the society. It helps to the development of aquatic life especially fresh water fishes.
First Year:

Extensive survey of agricultural field nearby Chaskaman Dam would be counted to known intensity of use of pesticides and complete information regarding pesticide Rogor in tribal area of Khed Taluka and nature of damage. To survey and collect the total information regarding Chaskaman Dam and its *Rasbora daniconius* fish diversity. To study the behavior, ecology and habit and habitat of *Rasbora daniconius*. To collect the *Rasbora daniconius* fishes from Chaskaman Dam and to rare in laboratory for taxonomical study. A water analysis carried out from collected sample of Chaskaman Dam to determine acidity or pH levels.

Second Year:

Biological study of *Rasbora daniconius*, laboratory trials toxicity effect of Rogor on *Rasbora daniconius* fresh water fish and observe the changes of some systems and organs. Calculate the statistical analysis of mortality and its toxicity of *Rasbora daniconius* fresh water fish. To observed the histomorphological changes of *Rasbora daniconius* after the Rogor treatment. Try to control strategies of agricultural pesticides into biopesticides which are less harmful to the human health, environment and aquatic fauna.