

**STUDY PROJECT**  
**ON**  
**POND ECOSYSTEM LOCAL POLLUTED SITE**

*Report submitted by*


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## CERTIFICATE

This is to certify that B.T.C. II<sup>nd</sup> Students, Hall ticket  
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Perp) ecosystem had polluted it under the guidance of  
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\* Study of pond Ecosystem / Local polluted Site

\* Introduction ≡

Ponds are natural water bodies found in the world and they can be manmade. An ecosystem is the technical term for a community of organisms. For such a community to form an ecosystem, it needs to be a distinct system where the organisms live and interact. Pond ecosystem differs from other water ecosystem. Unlike the river ecosystem, which is categorized under the lotic systems, pond ecosystem falls under the lentic ecosystem for the reason that the water remains stagnant in ponds relatively for longer period-time....

Pond ecosystem is an enclosed body of water that houses numerous different creature. It is a biological system that houses numerous different water and plant and animal life interacting with each other....

# BIOCONVERSION OF WASTE FOOD



Under guidance of

**K. RAVI KUMAR SIR**

B.Sc. Dissertation thesis submitted to the

**J.V.R GOVT COLLEGE, SATTUPALLY**

For requirement the award of the bachelor of science

In zoology

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# Student Study Project

Topic Name: Bio-conversion of waste food.

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## **ABSTRACT**

We have large amount of human population and its continues to grow because of that we need to produce large amount of food for people. Time and energy is most important in our life, we are wasting large amount of food in our dilly life and its degraded to basic materials like nitrogen, carbon and oxygen. Plants have an ability to convert these basic materials to edible biomass like carbohydrates, protein and lipids but its take time and energy.

We need to convert the bio mass of waste food to useful biomass before the degrade. This is one of the big challenge but we have a solution for it. Insects have capability to survive in unfavorable conditions and we have large variety and diversity of insects. These insects allow to nurture and grow on waste food and produce insect biomass this insect biomass will used as food for fish and poultry industries and conserve the resources and expenses. We are working on biomass conversion of waste food materials into protein biomass. Some of our results are worth notable in these conversion tasks in lowering of toxicity and production of high biomass.