

### **Aim and Objectives**

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**Aim of the study:** Microalgae based waste water treatment and removal of heavy metal.

#### **Objectives:**

1. Identification and characterization of indigenous microalgae
2. Optimization of Microalgal growth conditions at Laboratory scale
3. Microalgae based remediation of wastewater contaminants
4. Bioremediation approach using Potential microalgae for heavy metal removal
5. Enhancement for removal of heavy metal using Nano particle and algae-bacterium co-culture technique.