

# Environmental Occupational Health, Safety, and Industrial hygiene & Technology

---

**Title:** Environmental Occupational Health, Safety, and Industrial hygiene & Technology

**Team members:** Praveen, Sravya, Nagaraju

**Institution:** M.V.G.R College Of Engineering, vizianagaram,535002

**DEPT:** Dept of chemical engineering

**Project guide:** Santosh.g

Research:

## Description:

### **Objective :**

The objective of this research project is to clearly identify and characterize the risks associated with occupational and environmental exposures to chemicals in any industry and specify the test methods that are relevant in recognizing, assessing, and controlling the physical, chemical, and environmental hazards involved in the workplace that could disrupt worker's health and the environment. This research connects in an area concerned with the safety, health and welfare of people engaged in work or employment. Conclusion describes and enhances the health and safety of people at work and in their communities in an industry.

### **Abstract:**

In the preliminary stages of chemical plant design, selecting the process route is one of the main design decisions but now safety, environmental and occupational health issues have become important considerations. Occupational safety and health can be important for moral, legal, and financial reasons. In common-law jurisdictions, employers have a common law duty (reflecting an underlying moral obligation) to take reasonable care for the safety of their employees and make their environment hygienic. To have a better industrial hygiene, the following are the best practices. They are, anticipation, recognition, evaluation, prevention, control. These aspects are very essential in maintaining the environmental occupational health, safety and hygienic conditions in an industry. because good occupational health safety practices can also reduce employee injury and illness related costs, including medical care, sick leave and disability benefit costs. This research includes the reasons, limitations and their control over the hazardous conditions and also the prevention of risk of an employee in an industry.

### **Keywords:**

Environmental exposures, relevant, assessing, controlling, workers health, health and safety, communities, occupational health issues, jurisdictions, reasonable care, practices, maintaining, injury and illness, cost, sick leave, prevention.