

കൊച്ചി ശാസ്ത്ര സാങ്കേതിക സർവ്വകലാശാല  
COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY



COCHIN UNIVERSITY P.O.  
COCHIN - 682022  
KERALA, S. INDIA

15/07/2023

## Guidelines for Water Discharges

### 1. Introduction

**Objective:** To establish standards and guidelines for water discharges that protect ecosystems, wildlife, and human health.

**Scope:** Applicable to all water discharges within the jurisdiction of CUSAT.

### 2. Water Quality Standards

**Statutory Regulations:** Adhere to statutory regulations and standards for water pollution control

**Maximum Contaminant Levels (MCLs):** Implement MCLs for drinking water as specified by regulatory bodies to ensure safety.

### 3. Guidelines for Water Discharges

- **Point and Nonpoint Sources:** Address both point sources (e.g., municipal wastewater discharges) and nonpoint sources (e.g., agricultural runoff) of pollution.
- **Pollutant Categories:** Monitor and control specific pollutants that interfere with human or aquatic health, including PCBs, PAHs, Hg, and toxic metals.

### 4. Protection of Ecosystems and Wildlife

- **Habitat Preservation:** Prevent habitat alteration and destruction through careful management of discharges and flow regime modifications.
- **Invasive Species Control:** Implement measures to control invasive species that threaten ecosystem balance.

### 5. Human Health Considerations

- **Drinking Water Safety:** Ensure that water discharges do not compromise the safety of drinking water supplies.
- **Pathogen Control:** Monitor and control pathogens to prevent health risks associated with recreational and drinking water.

### 6. Compliance and Monitoring

- **Regular Monitoring:** Conduct regular monitoring of water quality to ensure compliance with established standards.
- **Reporting and Accountability:** Establish a system for reporting water quality data and holding responsible parties accountable for non-compliance.

## 7. Conclusion

- Commitment to Sustainability: Reaffirm CUSAT's commitment to sustainable water management practices that protect the environment and public health.



*[Handwritten Signature]*

**DIRECTOR**

**INTERNAL QUALITY ASSURANCE CELL**