



# ST. ALOYSIUS' COLLEGE

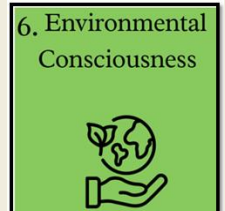
AUTONOMOUS  
JABALPUR- 482001  
MADHYA PRADESH, INDIA

## CRITERION-7

### INSTITUTIONAL VALUES AND BEST PRACTICES

Key Indicator – 7.1

Institutional Values and Social Responsibilities



Metric No.: 7.1.3

Environmental Consciousness and Sustainability

Document Name

Hazardous Chemicals and Radioactive Waste  
Management



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

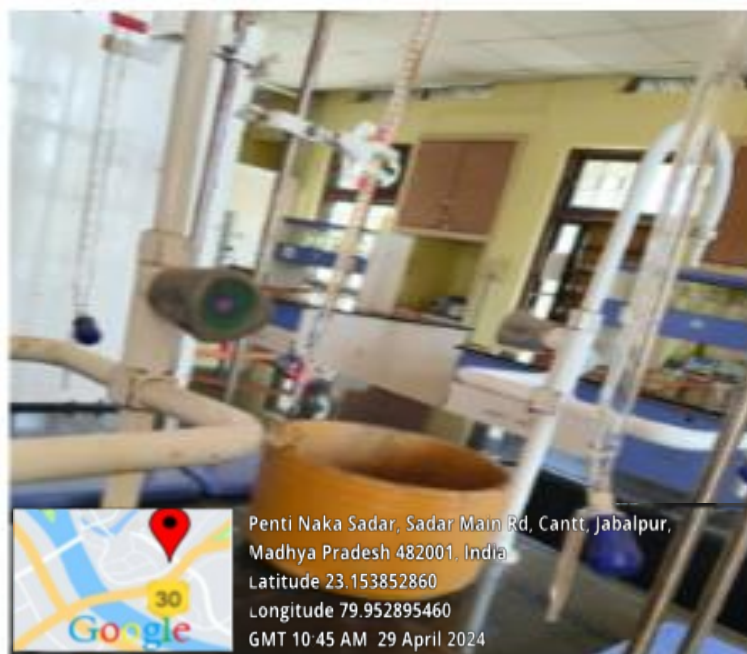
DST-FIST Supported & Star College Scheme by DBT.

## Environmental Consciousness and Sustainability

### 7.1.3 Facilities in the Institution for the management of the following types of degradable and non-degradable waste

#### Hazardous chemicals and Radioactive Waste Management

Disposal of Cyanide after converting the cyanide into less hazardous using Lassaigne test



Container used for the collection of cyanide and its treatment.



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## DISPOSAL OF HAZARDOUS CHEMICAL-EtBr (CARCINOGEN)

- EtBr waste is disposed of according to local regulations and institutional guidelines for hazardous chemical waste.
- Neutralize EtBr solutions before disposal and follow recommended procedures for waste disposal.
- Gel containing EtBr is melted in oven and then disposed of.





# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

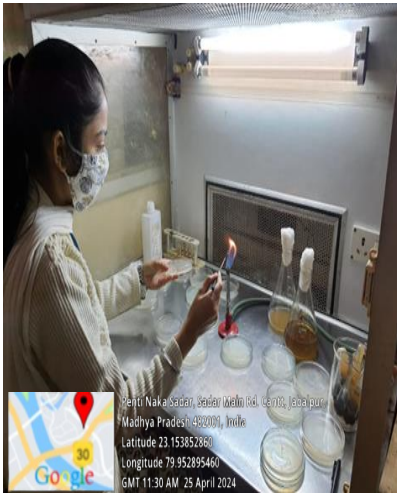
Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## AUTOCLAVING

- Decontamination of Biohazardous Waste
- Deactivation of Microorganisms



**Autoclave for treating microbiological waste and sterilizing glassware**



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

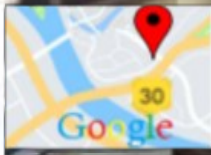
Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

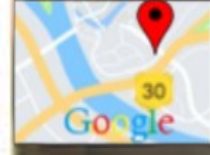
DST-FIST Supported & Star College Scheme by DBT.

## Fume Cupboards

**Fume Cupboards used to protect from toxic gases**



Penti Naka Sadar, Sadar Main Rd, Cantt, Jabalpur,  
Madhya Pradesh 482001, India  
Latitude 23.153852860  
Longitude 79.952895460  
GMT 10:45 AM 29 April 2024



Penti Naka Sadar, Sadar Main Rd, Cantt, Jabalpur,  
Madhya Pradesh 482001, India  
Latitude 23.153852860  
Longitude 79.952895460  
GMT 10:45 AM 29 April 2024



# ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

## Radioactive Waste Management Policy

St. Aloysius College procures sealed radioactive sources with authorization from the Atomic Energy Regulatory Board (AERB).

The activity level of these sources is kept within safe limits permissible for human exposure. After their useful life, the sealed radioactive sources are typically returned to the manufacturer.

Occasionally, they are disposed of as municipal waste, in compliance with regulatory guidelines. It is important to note that the college does not generate any radioactive waste as no radioactive reactions are conducted on campus.