

CIRCULAR



DEPARTMENT SCHOOL OF PHARMACY CIRCULAR

No: AJU/SOHAS/048/25

Date 12.02.2025

It is hereby notified to all the faculties, Lab assistants and attenders that School of Pharmacy is going to organize an Expert Talk Session on **Disposal of Outdated Laboratory Chemicals a Good Laboratory Practice** on 15th February 2025 on the University campus. Interested students from different departments as well as faculty members can participate this session. Mr. Sumanta Sen, Mr. Vikash Dash, Mr. Alok Kumar Moharana and Dr. Shweta will coordinate this event. The venue will be the seminar hall of SUSHRUTA and timing will be 11:30 AM.


Dean
School of Pharmacy
ARKA JAIN University Jharkhand

Dean
School of Pharmacy

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EXPERT TALK SESSION ON DISPOSAL OF OUTDATED LABORATORY CHEMICALS A GOOD LABORATORY PRACTICE

Date of Event	15.02.2025
Name of the Event	Expert Talk Session On Disposal of Outdated Laboratory Chemicals A Good Laboratory Practice
Type of the Event	Environment Consciousness/Sustainability/Technical Skill Development Program
Conducted by	School of Pharmacy
No. Of Participants	60

OBJECTIVE:

The main aim was to educate students and faculty on safe chemical handling, disposal methods and the importance of adhering to Good Laboratory Practice. It would also provide in-depth knowledge on promoting regulatory compliance, sustainability and research safety through expert insights and discussions.

DETAILS:

The School of Pharmacy, ARKA JAIN University organized an insightful Expert Talk Session on "Disposal of Outdated Laboratory Chemicals A Good Laboratory Practice" on 15th February 2025 from 11:00am onwards at Block B Auditorium. The session aimed to educate students and faculty on the safe and effective management of expired and hazardous chemicals in laboratory. The event commenced with a warm welcome of the esteemed speaker Mr. Ajit Singh, a distinguished Ecologist, who was presented with a sapling by Dr. Jyotirmaya Sahoo, Dean, School of Pharmacy, ARKA JAIN University. This symbolic gesture emphasized the institutions commitment to sustainability and environmental consciousness. Following the welcome ceremony Mr. Ajit Singh conducted an engaging session covering crucial aspects of laboratory chemical disposal. He elaborated on various methods of handling outdated chemicals, including neutralization, incineration, chemical treatment and collaboration with authorized waste disposal agencies. The importance of adhering to Good Laboratory Practice (GLP), proper labelling, storage, risk assessment and record-keeping was thoroughly discussed. The session also emphasized the significance of regulatory compliance, highlighting national and international guidelines such as those by the Central Pollution Control Board (CPCB) and World Health Organization (WHO). Mr. Singh encouraged the adoption of green chemistry practices to minimize environmental impact and promote sustainability in pharmaceutical research. At the end an interactive session was followed where participants actively interacted with Mr. Singh seeking clarifications and sharing their own experiences regarding chemical waste management. The session

fostered a collaborative learning environment and enhanced the participants understanding of the topic. The event concluded with a felicitation ceremony where Mr. Ajit Singh was honoured with a memento as a token of appreciation for his valuable insights and contribution to the academic community. The program was skilfully anchored by Ms. Sristi Shreya and efficiently coordinated by Mr. Sumanta Sen, Mr. Alok Moharana, Mr. Vikash Das, Dr. Shweta Srivastava, and Ms. Purnima Mahato. The event was conducted under the vigilant support and guidance of Dr. Jyotirmaya Sahoo, Dean, School of Pharmacy.

TAKEAWAY (OUTCOMES):

The expert talk session proved to be highly informative and thought provoking, reinforcing the importance of chemical management and good laboratory practice. It left a lasting impact on both students and faculty, encouraging them to implement sustainable and safe practices in their research activities.

POSTER OF THE EVENT




ARKA JAIN University
 Jharkhand
 


SCHOOL OF PHARMACY
Organizes

AN EXPERT TALK SESSION
 ON
**DISPOSAL OF OUTDATED
 LABORATORY CHEMICALS
 A GOOD LABORATORY
 PRACTICE**

Date : 15th February 2025
Time : 11:30 AM Onwards
Venue : Sushruta Auditorium

An Environment Consciousness and Sustainability
 and Technical Skill Development Program



SPEAKER
Mr. AJIT SINGH
 Ecologist, Jamshedpur

 arkajainuniversity
  arkajainuniversity
  1800 - 1200 - 200

PHOTOS OF THE EVENT



Fig.1-Mr. Ajit Singh addressing the gathering.



Fig. 2- Felicitation of the Guest Speaker by the Dignitaries.



Fig. 3- Welcoming of Mr. Ajit Singh by Dr. Jyotirmaya Sahoo



Fig. 4- Students engrossed in the session

FEEDBACK ANALYSIS



LIST OF PARTICIPANTS

JGI ARKA JAIN University
Jharkhand
SCHOOL OF PHARMACY
EVENT REGISTRATION CUM
Attendance Form

Name of the Event: Dr. Expert Talk Session on
Disposal of Chemical Laboratory Chemicals & Good Laboratory Practice Date of the Event: 15.2.25 to _____

Sl. No.	Name of the Candidate	Enrollment No.	Signature of the Candidate	How would you like this session/event	Feedback		Would you like to attend this type of event/session in future	Attendance												
					The speaker explained the topic clearly	The speaker explained the topic clearly		D1	D2	D3	D4	D5	D6	D7	D8					
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WRITE-UP SUMMARY

An Report on
Disposal of outdated Laboratory chemicals & Good Laboratory Practices

Submitted By — Ritika Kumari
(PSU/240397)

The expert talk by Mr. Ajit Singh, Ecologist provided a comprehensive understanding of chemical waste management and its crucial role in ensuring laboratory safety and environmental protection. The session included following learnings:

- 1) **Proper Identification and Classification of Chemicals:** - We learned how to categorize chemicals based on their hazard levels - flammable, corrosive, reactive or toxic to determine suitable disposal methods.
- 2) **Safe Storage Practices:** The importance of segregating chemicals according to their compatibility to prevent dangerous reaction was emphasized. Mr. Singh discussed labelling practices, including using hazard symbols and expiration date for easy identification.
- 3) **Chemical Disposal Methods:** Various disposal techniques were explained such as:-
 - Neutralization - For acids & bases.
 - Incineration - For organic solvents and other hazard compounds.
 - Chemical Treatment - To break down harmful substances into less toxic forms.
 - Disposal through authorized Agency - Ensuring compliance by collaborating with certified waste disposal units.
- 4) **Regulatory Compliance:** - We gained insights into national and international guidelines, including those set by CPCB (Central Pollution Control Board) and WHO (World Health Organization), reinforcing the need to follow legal protocols for chemical waste disposal.
- 5) **Record-Keeping and Documentation:** - The session highlighted the necessity of maintaining proper records of chemical purchases, usage,

and disposal. Accurate documentation ensures transparency and aids in audits or inspections.

- 6) **Emergency Response and Risk Mitigation:** -
Mr. Singh discussed the steps to be taken in case of chemical spills, leaks or accidental exposure emphasizing the use of safety showers, eyewash stations, and personal protective equipment (PPE).
 - 7) **Sustainability and Eco-Friendly Practices:** -
A crucial takeaway was the encouragement to adopt green chemistry principles - minimizing waste generation, recycling solvents, and using less hazardous reagents to reduce the environmental impact of laboratory activities.
 - 8) **Team Collaboration and Training:** -
The session reinforced the importance of teamwork in maintaining a safe lab environment. Regular training sessions for students and staff on GHS and waste management practices were strongly recommended.
- Overall, the session not only expanded our technical knowledge but also instilled a sense of responsibility towards maintaining a safe, compliant and sustainable laboratory environment.

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