

Report of Lab Audit 2020

The lab audit of all the thirty four (34) labs was scheduled from March 11, 2020 to March 13, 2020. The following three committees were formed for conducting the lab audits:

First Committee:

1. Prof. P. Ramarao - Chairperson
2. Prof. Raj Kumar
3. Dr. J. K. Pattanaik
4. HoD of the Department

Second committee:

1. Prof. Ramakrishna Wusirika - Chairperson
2. Prof. Rajesh Kumar
3. Prof. Monisha Dhiman
4. HoD of the Department

Third committee:

1. Prof. P. K. Mishra - Chairperson
2. Prof. Pankaj Prashar
3. Dr. Bawa Singh
4. HoD of the Department/Section

The compiled and detailed report of lab audit is as under:

Lab:1 Food Science and Technology

1. Operational fume hoods are to be provided in laboratories where noxious of toxic chemicals are handled.
2. Incidents/accidents have to be recorded.

Lab:2 Human Genetics and Molecular Medicine Lab-I

1. The full chemical name (in English) with legible labels have to be placed on all containers and identify the hazard class of the chemical (flammable, corrosive, oxidizer, etc.).
2. Areas around eyewash and safety shower are to be regularly checked.
3. Hand washing soap and towels are to be made available
4. Biohazard waste bags are to be adequately labelled and are to be replaced frequently.
5. Usage register of computers is to be made available.

Lab:3 Human Genetics and Molecular Medicine Lab-II

1. All chemical storage freezers are to be defrosted regularly.
2. Do not keep expired, reactive and time-sensitive chemicals in lab
3. Areas around eyewash and safety shower are to be regularly checked.
4. Fridges used for storage of hazardous substances are to be labelled with appropriate hazard symbols.

Lab:4 Plant Tissue Culture Lab

1. Working surfaces are to be cleaned
2. SOPs are to be prepared for handling of cryogenics (liquid nitrogen etc.) during storage, transport and usage.

3. SOPs for chemical and biochemical hygiene should be available and reviewed periodically.
4. Hand washing soap and towels are to be made available
5. Good practices are to be followed in the lab like food and drink should not be used in the laboratory; Soft/cotton clothing should not be either too loose or too tight; long hair are to be tied back and incidents/accidents are to be recorded.

Lab:5 Plant Science Lab-IV

1. Areas around eyewash and safety shower are to be regularly checked.
2. Disinfectants for decontamination or sanitation are to be used in the laboratory and should be kept in biological spill kit.
3. Practices of not taking food and drink are to be followed in the lab.

Lab:6 Zoology Lab

1. SOPs for chemical and biochemical hygiene is to be prepared and reviewed periodically
2. Areas around eyewash and safety shower are not regularly checked.
3. Practices for not taking food and drink are to be followed in the lab.

Lab:7 Biochemistry and Microbiology Lab

1. Areas around eyewash and safety shower are to be regularly checked.
2. Practices of not taking food and drink are to be followed in the lab.
3. All laboratory waste bins are to be color coded and separate for biomedical waste/hazardous waste/shrapnel etc.
4. Three coloured bins/bags/needles disposal and compliance of industrial-waste management rules are to be followed.

Lab:8 Physics Lab

1. Large print out of emergency procedures and evacuation plans need to be pasted at multiple places.
2. Usage register of computers is to be made available.
3. Practices of not taking food and drink are to be followed in the lab and incidents/accidents are to be recorded.
4. All laboratory waste bins are to be color coded and separate for biomedical waste/hazardous waste/shrapnel etc.

Lab:9 Research Lab Physics

1. Areas around eyewash and safety shower are to be regularly checked.
2. The fume hood working area is to be cleaned
3. Practices of not taking food and drink are to be followed in the lab and incidents/accidents are to be recorded.
4. All hazardous wastes are to be stored in sturdy leak proof containers with closed lid.
5. All laboratory waste bins are to be color coded and separate for biomedical waste/hazardous waste/shrapnel etc.

Lab:10 Mass Communication Lab

1. Appropriate first-aid kit is to be made available.
2. All Computers and accessories in the lab are to be worked in order on UPS with appropriate antivirus.
3. Practices of soft/cotton clothing is to be followed either not too tight or too loose

Lab:11 Chemistry Lab I

1. SOPs are to be prepared for handling of cryogenics (liquid nitrogen etc.) during storage, transport and usage.
2. Chemical and biological Spill control kits are to be made available.
3. Areas around eyewash and safety shower are to be regularly checked.
4. Disinfectants are to be made available for decontamination or sanitation use in the laboratory and are to be present in biological spill kit.
5. Practices of not taking food and drink is to be followed in the lab and incidents/accidents are to be recorded.
6. All laboratory waste bins are to be color coded and separate for biomedical waste/hazardous waste/shrapnel etc.

Lab:12 Chemistry Lab II

1. Chemical and biological Spill control kits are to be made available.
2. Areas around eyewash and safety shower are to be regularly checked.
3. Practices of not taking food and drink are to be followed in the lab and incidents/accidents are to be recorded.
4. Waste containers are to be appropriately labeled,
5. Three coloured bins/bags/needles disposal and compliance of industrial-waste management rules are to be followed.

Lab:13 Chemistry Lab - III

1. SOPs for chemical and biochemical hygiene is to be prepared and reviewed periodically.
2. Chemical and biological Spill control kits are to be made available.
3. Areas around eyewash and safety shower are to be regularly checked.
4. The fume hood working area is to be cleaned
5. Practices of not taking food and drink is to be followed in the lab and Soft/cotton clothing should not be either too loose or too tight
6. All laboratory waste bins are to be color coded and separate for biomedical waste/hazardous waste/shrapnel etc.
7. Waste containers are to be appropriately labeled (no abbreviations, formulas or shorthand).
8. Three coloured bins/bags/needles disposal and compliance of industrial-waste management rules are to be followed.

Lab:14 Pharmacy Lab I and II

1. SoPs for chemical and biochemical hygiene are to be updated.
2. Ice machine is to be repaired

Lab:15 CIL I and CIL II

Practice of not taking food and drink is to be followed in the lab.

Lab:16 EVST Lab I

1. Warning signs are to be pasted appropriately.
2. Secondary containment is to be used for liquid chemicals.

Lab:17 EVST Lab II

1. Practice of not taking food and drink is to be followed in the lab and long hair are to be tied back.

Lab:18 EVST Lab III

1. Practice of not taking food and drink is to be followed in the lab and Soft/cotton clothing should not be either too loose or too tight

Lab:19 Human Genetics and Molecular Medicine Lab

1. Areas around eyewash and safety shower are to be regularly checked.
2. The fume hood working area is to be cleaned
3. Practice of not taking food and drink is to be followed in the lab.

Lab:20 Molecular Medicine Lab

1. Areas around eyewash and safety shower are to be regularly checked.
2. The fume hood working area is to be cleaned
3. Practice of not taking food and drink is to be followed in the lab.
4. Disinfectants record of expiry date is to be present in biological spill kit.
5. Ice machines are to be labeled "Not for human consumption."
6. All laboratory waste bins are to be color coded and separate for biomedical waste/hazardous waste/shrapnel etc.
7. Waste containers are to be appropriately labeled.

Lab:21 Animal Cell Culture

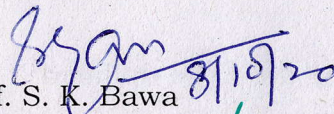
1. Special containment procedures is to be in place for equipment containing mercury (e.g. thermometers, manometers, pressure gauges, etc.).
2. Disinfectants are to be made available for decontamination or sanitation use in the laboratory and are to be present in biological spill kit.
3. Practice of food and drink is to be present in the lab.

Lab:22 Geology and Geography

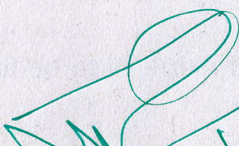
1. Secondary containment is to be used for liquid chemicals.
2. Chemical and biological Spill control kits are to be made available.
3. Practice of food and drink is not present in the lab.

Lab:23 Computational Lab

1. Warning signs are to be pasted appropriately.
2. An instructional notice is to be displayed to protect data.


Prof. S. K. Bawa
Director, IQAC

Hon'ble Vice Chancellor


16/10/2020