

**CENTRAL INSTRUMENTATION FACILITY
FACULTY OF SCIENCE
JAMIA HAMDARD**

List of Instruments with guidelines for the users

1. ATOMIC ABSORPTION SPECTROPHOTOMETER (AAS)
2. CHNS ANALYZER
3. CENTRIFUGE RT-6000 (REFRIGERATED, UPTO 3000 RPM)
4. ELISA READER
5. FT-IR
6. GEL DOCUMENTATION SYSTEM
7. HPLC
8. HPTLC
9. RT-PCR
10. SCINTILLATION COUNTER (LS-6500)
11. SPECTROPOLARIMETER (CD)
12. VISIBLE RANGE SPECTROPHOTOMETER
13. ULTRA-CENTRIFUGE LE-80
14. UV-VIS SPECTROPHOTOMETER Λ -20 (DOUBLE BEAM)
15. UV-VIS SPECTROPHOTOMETER 80-DV (DOUBLE BEAM)
16. AMICOM SAMPLE CONCENTRATOR
17. ELIX-20/MILLI-Q WATER FILTRATION UNIT
18. 2D-GEL ELECTROPHORESIS/PD-QUEST
19. NANODROP SPECTROPHOTOMETER
20. SARTORIUS MICRO EL BALANCE
21. SOLVENT FILTRATION UNIT
22. SONICATOR

GUIDELINES:

The users are requested to follow the below mentioned guidelines for the usage of the above instruments:

1. Timings of the usage of the instruments are: 8:30 AM to 5:00 PM during March to October and 9:00 AM to 5:30 PM during November to February.
2. Usage of the instruments beyond working hours and on Saturday, Sunday and holidays will only be permitted to those scholars who were unable to complete their work during normal working hours on weekdays.
3. An advance booking is always helpful not only to avoid the overlapping of the work but also to know the working state/availability of the instrument.
4. C.I.F. staff is always available to help but some instruments such as AAS, HPLC, CHNS, Ultra-Centrifuge etc. are either run by the C.I.F. staff only or need their continuous supervision. So, it is requested that the users book the time slots well in advance.
5. For instruments, like HPLC which require longer time of operation, prior booking needs to be done through proper channel and user should describe the necessary conditions and accessories required for his/her work.
6. C.I.F. has limited resources; therefore users are expected to arrange consumables/standards required for their experiments.
7. Users from other faculties need to submit an application duly signed by their respective supervisors, HODs and Deans of the faculty.
8. Timings for distribution of distilled/double distilled/Milli-Q water are 11:00 AM to 11:30 AM in the morning and 4:30 PM to 5:00 PM in the after noon.
9. All the users have to bear the charges due to damage/loss occurring during their experiments.
10. All the new users have to get enrolled first in the C.I.F. before starting their work.

(Dean, Faculty of Science)