

Department of Microbiology
Janata Mahavidyalaya, Chandrapur

Report on Bridge course

Title: '**Advanced techniques in Molecular Biology**'.

Date: From 12th Feb.-16th Feb.2018.

Number of students enrolled: 61

1) Five days bridge course was organized by department of Microbiology. Total duration of the bridge course was 35hrs. Total 61 students participated during the course.

2) Course was inaugurated by principal Dr .M .Subhas , IQAC coordinator Dr. Nahida Baig and Dr. khinchi ,Vice- Principal was present as chief guest .

3) Students of M.Sc .Botany, M.Sc. Zoology and B.Sc. 3rd year Microbiology participated in the course based on '**Advanced techniques in Molecular Biology**'.

4) Various micro-techniques and use of instrumentation was demonstrated by Prof. Ms. Archana Jadhav, Dr. Mrs. Supriya wankar and Prof. Ms. Kiran Kundu.

4) Students get the knowledge and performed the experiment regarding the advanced technique in molecular biology viz.

1. Plasmid DNA isolation. (Duration: 8hr.)

2. Chromosomal DNA isolation (Duration: 8hr.)

3. Restriction digestion enzyme. (Duration: 8hr.)

5) Students learnt about the preparations of Normal and Molar chemical solutions, preparation of buffer solutions, preparation of Agarose gel slab and also learnt about use and handling of instrumentation viz . Cooling centrifuge, SDS –page, gel electrophoresis, PCR techniques, trans-illuminator and use of Micropipettes etc.

6) These molecular technique will be helpful for students during dissertation work, research project and Ph.D work and during their job in relative industrial work and research laboratories.

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