



NAAC REACCREDITED 'A -GRADE'

SEVADAL MAHAVIDYALAYA, NAGPUR
Sakkardara Square, Umrer Road, Nagpur

**Report of Workshop on
'Molecular Biology & Immunology'**



Jointly Organized By

**Department of Microbiology
And
Hi-Media Laboratories Private Limited, Mumbai**

Academic Session: 2019-20

Report of Workshop on ‘Molecular Biology and Immunology’

Date of organizing Workshop	23rd & 24th September 2019
Name of the Department	Microbiology & Biotechnology, Sevadal Mahila Mahavidyalaya, Nagpur
Academic Session	2019-2020
Number of students Participated	75

Aims and Objective of the Workshop:

Students of Microbiology and Biotechnology should gain fundamental knowledge of molecular biology and immunological techniques so that they become well acquainted and feel comfortable while working on the sophisticated tools required for the molecular biology experiments. To achieve this main objective, Department of Microbiology and Biotechnology, Sevadal Mahila Mahavidyalaya, Nagpur organized two days workshop for hands-on training in Molecular Biology & Immunology in collaboration with Hi-Media Laboratories Private Limited, Mumbai on 23rd and 24th September 2019. Organization of such workshops will give a wide exposure to the students to concept, skills and to learn and perform experiments independently on different tools required in molecular biology and immunology.

Glimpses of the Activities undertaken in the Workshop:

Two days Workshop on hands-on training in Molecular Biology & Immunology was organized so that comprehensive background lectures coupled with extensive hands-on experience were provided to the students and to the new staff members. The workshop was divided into several modules such as techniques like isolation of genomic and plasmid DNA, restriction digestion of DNA, Agarose gel electrophoresis, Polymerase chain reaction (PCR), single radial Immunodiffusion electrophoresis, preparation of different types of buffers used in molecular biology taught to perform. Each module was taught by an expertise in the area covered in the workshop. Each module began with a lecture that introduced the technique in describing both the uses and applications of that particular technique. The lectures were followed by a laboratory session during which students followed protocols that were carefully designed to learn the objective of the techniques. Throughout these laboratory sessions, students were given an importance of proper technique of handling different

apparatus and equipments like micropipettes, cooling micro centrifuge, gel electrophoresis units, uv-transilluminator etc, preparation of standard buffer solutions and accuracy in weighing of chemicals and pipetting of solutions.

In these workshop 75 students of B. Sc. SEM V Microbiology and Biotechnology participated and undergone training in the basic techniques of Molecular biology and Immunology. Hands on training on techniques such as isolation of genomic and plasmid DNA, restriction digestion of DNA, Agarose gel electrophoresis, PCR, single radial Immuno-diffusion electrophoresis, preparation of different types of buffers used in molecular biology were given to the students. Students were provided with the participation certificates after successful completion of the workshop.

Chief Guest of the workshop Mr. Sanjeev Kumar Singh, Marketing Manager, Hi-Media Laboratories, Mumbai in his address explained that in the era of globalization students should get well equipped with latest knowledge and technical skill in highly sophisticated world of molecular biology and immunology.

Mr. Girish Pai, Product Manager, Molecular Biology, Hi-Media Laboratories, Mumbai assisted to the students for technical knowhow of the complexity of reactions occurs in the analysis of DNA and Antigen Antibody reaction.

Hon'ble Prof. Pravin Charde, Principal, Sevadal Mahila Mahavidyalaya, Nagpur presided over the function, in his presidential address Hon'ble Dr. Pravin Charde, Principal, expressed his views and reiterated that every student participant take advantage of variety of experiments which would be very useful in their further higher studies and also to get the jobs in their future life.

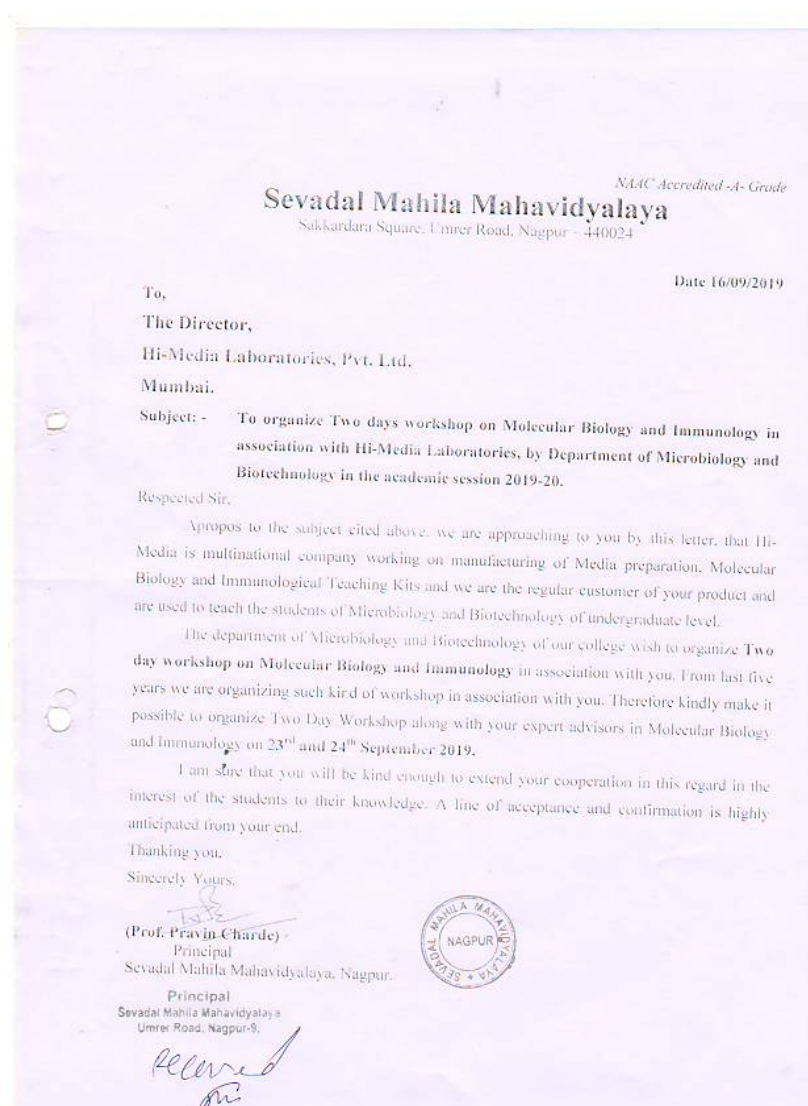
Dr. Prabhakar Bhandari, Head Department of Microbiology and Biotechnology, in his welcome address, said that the hands on training and workshop on Molecular Biology and Immunology would be very beneficial for the students for their higher studies. Throughout the workshop students have studied to many experiments which usually only conducted in the hi-tech and innovative established laboratories.

Hon'ble Shri Sanjayji Shende, President, Sevadal Education Society, Nagpur has always encourages to conduct such training and workshop for the benefit of students and his best wishes are always with us.

The workshop was concluded in high note with valedictory function where workshop certificates issued by Multi-National Company with ISO 9001-2008 and internationally recognized by WHO-GMP and CE were distributed to the participant

students. These certificates would prove very helpful to the students in securing hi-end jobs in the field of Microbiology and Biotechnology.

Mrs. S. R. Nimbarte, Dr. (Mrs.) K. V. Dubey, Ms. Mili Thakkar, Preet Naidu, Aditi Khagar and non teaching staff of the Department of Micro-Biology and Bio-Technology took every hardship for the grand success of the hands on training and workshop.



Application to the Director, Hi-Media Laboratories Private Limited, Mumbai for collaborative organization of workshop on Molecular Biology & Immunology.



Student Felicitating to Hon'ble Prof. Pravin Charde, Principal, during the inaugural function of the workshop on Molecular Biology and Immunology



Introductory remarks and importance of workshop details given by Dr. Prabhakar Bhandari, Head Department of Microbiology and Biotechnology.



Felicitations of Chief Guest Mr. Sanjeev Kumar Singh, Marketing Manager Hi-Media Laboratories Pvt. Ltd. Mumbai.



Mr. Sanjeev Kumar Singh, Marketing Manager from Hi-Media Laboratories Pvt. Ltd. Mumbai guided the student about marketing skills of the Product.



Mr. Girish Pai, Product Manager, Molecular Biology Technical expert from Hi-Media Laboratories Pvt. Ltd. Mumbai.



Mr. Girish Pai, Product Manager, explained the significance of Molecular Biology in today's era of developmental Science and Technology.



Hon'ble Prof. Pravin Charde, Principal, giving his Presidential address during the inaugural function of the workshop.



Student's active participation during workshop on Molecular Biology and Immunology organized.



Press Note of the workshop on Molecular Biology and Immunology organized by Department of Microbiology, Sevadal Mahila Mahavidyalaya, Nagpur was published in The Hitavada City Line on 12th October 2019.