



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: 2018-2019

Report of Workshop on ‘Molecular Biology and Immunology’

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| Date of organizing Workshop | 28th & 29th September 2018 |
| Name of the Department | Microbiology & Biotechnology, Sevadal Mahila Mahavidyalaya, Nagpur. |
| Academic Session | 2018-2019 |
| Number of students Participated | 92 |

Aims and Objective of the Workshop:

Microbiology and Biotechnology professionals and students should gain fundamental knowledge of molecular biology and immunological techniques and to make students well acquainted and comfortable with the tools of molecular biology, 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 28th and 29th September 2018. The objective of the training programme through organizing workshop was to give exposure to the students to concept, skills and tools of molecular biology and immunology and to provide hands-on training on various molecular biology and immunological techniques by a technical expert from Hi-Media Laboratories Pvt. Ltd. Mumbai.

Glimpses of the Activities undertaken in the Workshop:

Workshop on hands-on training in Molecular Biology & Immunology was offered over a period of two days and was organized so that comprehensive background lectures coupled with extensive hands-on experience were provided to the students and new staff members as well. 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 immune diffusion electrophoresis, preparation of different types of buffers used in molecular biology were 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 93 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.

‘Students should be geared up the technically sound knowhow for more avenues in the field of Microbiology and Bio-technology’ said Chief Guest of the workshop Mr. Singh, Marketing Manager, Hi-Media Laboratories, Mumbai. Further in his address he said 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. Dange, 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 over organizing the hands on training and workshop. He particularly reiterated that every student participant take advantage of varieties of experiments which would be very useful in their further higher studies and also to get the jobs in their future life.

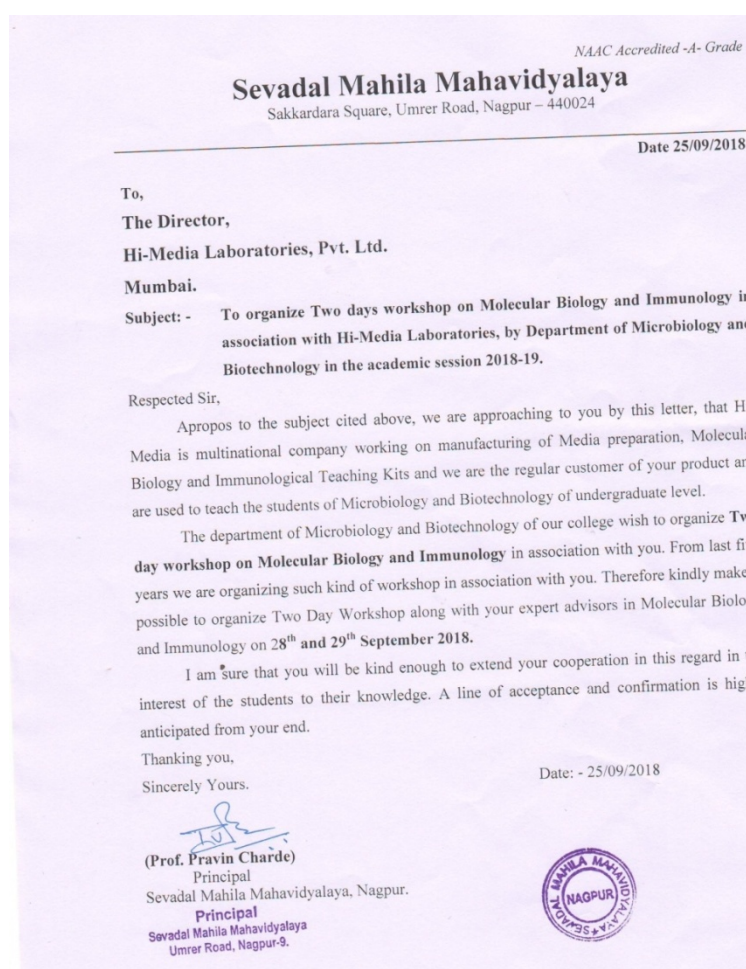
Dr. Prabhakar Bhandari, Head Department of Microbiology and Biotechnology, in his welcome address, said that the hands on training and workshop on Molecular Biology and Immunology would be very beneficial for the students for their higher

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.



Request letter to the Director, Hi-Media Laboratories Private Limited, Mumbai.



HiMedia Laboratories Pvt. Ltd.

Ref. No. /18-19/SN402
Date: 05th Oct '2018

To,
The Principal,
Sevadal Mahila Mahavidyalaya,
Nagpur.

Subject: Jointly organizing the Two Days workshop on "Molecular Biology and Immunology" on dated 28th & 29th September 2018.

Respected Sir,

I will please to inform you that Department of Microbiology and Biotechnology, Sevadal Mahila Mahavidyalaya, Nagpur and Hi-Media Pvt. Ltd are jointly organizing a Two days workshop on "Molecular Biology and Immunology" on dated 28th & 29th September 2018.

I very much look happy to associate and to organize this workshop at your college. I wish every success to this very important event.

Thanking You,
For HiMedia Laboratories Pvt. Ltd.,

Sunil Ghubde
Business Development Manager

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Consent from the Director, Hi-Media Laboratories Private Limited, Mumbai for collaborative organization of workshop on Molecular Biology.



Dr. Prabhakar Bhandari, Head Department of Microbiology and Biotechnology, welcomed the student and introduced the students about the importance of organizing workshop on Molecular Biology and Immunology



Mr. Singh, Marketing Manager from Hi-Media Laboratories Pvt. Ltd. Mumbai and Chief Guest of the workshop guided to the student about skill development and its avenues in Biotech other allied industries.



Hon'ble Prof. Pravin Charde, Principal, Sevadal Mahila Mahavidyalaya, Nagpur giving his Presidential address during the inaugural function of the workshop on Molecular Biology and Immunology.



Mr. Denge, Product Manager, Molecular Biology Technical expert from Hi-Media Laboratories Pvt. Ltd Mumbai being felicitated by the student of Fifth Semester Microbiology and Biotechnology.

Workshop Photographs:



Mr. Denge, Product Manager, Molecular Biology and Technical expert from Hi-Media Laboratories Pvt. Ltd. Mumbai guiding and demonstrating different techniques to the students during workshop.



Press Note of the workshop on Molecular Biology and Immunology organized by Department of Microbiology, Sevadal Mahila Mahavidyalaya, Nagpur was published in Lokasatta Nagpur, News daily on 27th November 2018.