



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 Biotechnology**  
**In Association with**  
**Hi-Media Laboratories Private Limited, Mumbai**

**Academic Session: 2023-24**

Workshop on 'Molecular Biology & Immunology' 2023-24



*N. S. Noble*  
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Sevalal Mahila Mahavidyalaya  
Nagpur.

## Report of Workshop on 'Molecular Biology and Immunology'

Date of organizing Workshop	3 <sup>rd</sup> & 4 <sup>th</sup> January 2024
Name of the Department	Microbiology & Biotechnology, Sevadal Mahila Mahavidyalaya, Nagpur
Academic Session	2023-2024
Number of students Participated	60

### 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 3<sup>rd</sup> and 4<sup>th</sup> January 2024. 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 54 students of sixth semester B. Sc. Microbiology and Biotechnology participated and undergone training in the basic techniques of Molecular



  
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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.

**Dr. Sunil Kokane**, 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. Mrs. Anjali Mahakalkar**, In- Charge of Science Faculty, Sevadal Mahila Mahavidyalaya, Nagpur presided over the function. In the presidential address she expressed her happiness over the hands on training and workshop. She 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.

**Hon'ble Prof. Pravin Charde**, Principal, Sevadal Mahila Mahavidyalaya, Nagpur has congratulated to the students and urge to participate every student in the workshop and get benefit out of it.

**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.

Dr. Mrs. S. R. Nimbarte, Dr. (Mrs.) K. V. Dubey, Ms. Mili Thakkar, Ms. Charu Sukheja, Ms. Rupali Parmar, Khushi Belekar, Mr. Nayan Pathak 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.



**Sevadal Mahila Mahavidyalaya**  
Sakkardra Square, Unner Road, Nagpur - 440024

Date 10/02/2023

To,  
**The Director,**  
**Hi-Media Laboratories. Pvt. Ltd.**  
**Mumbai.**

**Subject: - To organize Two days workshop on Molecular Biology and Immunology in association with Hi-Media Laboratories, by Department of Microbiology and Biotechnology in the academic session 2022-23.**

Respected Sir,


Appropos to the subject cited above, we are approaching to you by this letter, the Hi-Media is multinational company working on manufacturing of Media preparation, Molecular Biology and Immunological Teaching Kits and we are the regular customer of your product and are used to teach the students of Microbiology and Biotechnology of undergraduate level.

The department of Microbiology and Biotechnology of our college wish to organize Two day workshop on Molecular Biology and Immunology in association with you. From last five years we are organizing such kind of workshop in association with you. Therefore kindly make it possible to organize Two Day Workshop along with your expert advisers in Molecular Biology and Immunology on 13<sup>th</sup> & 14<sup>th</sup> February 2023.

I am sure that you will be kind enough to extend your cooperation in this regard in the interest of the students to their knowledge. A line of acceptance and confirmation is highly anticipated from your end.

Thanking you,


Sincerely Yours,

  
(Prof. Pravin Charde)  
Principal  
Sevadal Mahila Mahavidyalaya, Nagpur.



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



  
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## Photographs of the Workshop



Student Felicitating to Hon'ble Prof. Mrs. A. S. Mahakalkar, In Charge of Science Faculty during the inaugural function of the workshop



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



Felicitation of Dr. Sunil Kokane, Product Manager, Molecular Biology Technical expert from Hi-Media Laboratories Pvt. Ltd. Mumbai.





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



Mr. Sanjeev Kumar Singh, Marketing Manager, distributing the certificate.



Hon'ble Prof. Mrs. A. S. Mahakalkar, giving the certificates to the student participating in the workshop

Workshop on 'Molecular Biology & Immunology' 2023-24



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All Students showing certificates on successful completion of the workshop.

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## Sevadal Mahila Mahavidyalaya



A TWO-DAY workshop on Molecular Biology and Immunology was held on January 3 and 4 at the Department of Microbiology and Biotechnology, Sevadal Mahila Mahavidyalaya. Hi-Media Laboratories, Mumbai, Area Sales Manager Sanjeev Kumar Singh, was chief guest; Product Manager Dr Sunil Kokane also spoke. Dr Prabhakar Bhandari, HoD made welcome address. Prof Anjali Mahakalkar, In-charge of Science Faculty, presided over. Sevadal Education Society President Sanjay Shende, Principal Prof Pravin Charde gave their best wishes. Dr S R Nimbarte, Dr KV Dubey, Mili Thakkar, Charu Sukheja, Rupali Parmar, Khushi Belekar, Nayan Pathak and other staff worked for the event's success.

Colleges may send their news items on  
[cityline@thehitavada.com](mailto:cityline@thehitavada.com)

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 15<sup>th</sup> January 2024.

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