

Molecular Biology techniques workshop 2022-2023 Report

Place: A. V. College, Vasai road (West)

Department: Biotechnology

Date: 25th February 2023

Under the Skill-development Program, a hands-on training in Molecular Biology Techniques was conducted in the department of Biotechnology in collaboration with the Science Association, on the 24th and 25th February 2023, to provide a relevant theoretical background and offer hands-on experience in several lab techniques, including the following:

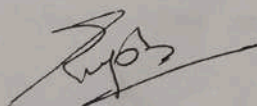
- Polymerase Chain Reaction (PCR; For Amplifying Target DNA Templates)
- Agarose Gel Electrophoresis (Resolving Nucleic Acids)
- SDS-Poly Acrylamide Gel Electrophoresis (SDS-PAGE; Resolving Peptides and Proteins)
- Molecular Marker (RFLP & RAPD)


These techniques have a wide range of applications in various scientific disciplines, in academia as well as industry. The purpose of this workshop was to offer a practical understanding of the basic principles and procedures involved in these techniques.

The workshop was inaugurated on 24th February 2023 by our honorable Principal Dr. Arvind Ubale, Vice-Principal Dr. Anilkumar Shelke and Dr. Janki Savagaon and the Co-ordinator of the workshop, Dr. Shobha Gupta. Principal Dr. Ubale addressed the students by giving a motivating speech and then workshop began.


The workshop started with explanation of the working-principle of the above mentioned techniques by our T.Y.B.T. student volunteers, who gave a deep insight of these techniques to their junior friends of S.Y.B.T. and F.Y.B.T. The Co-co-ordinators of the workshop, Mrs. Kanika Bhargava and Dr. Aayushi Maloo set up all the experiments in the laboratory and made all the requirements available for the smooth conduction of the procedures. Students were made to form groups and were led by the teachers of the organizing team, Ms. Sadhana Purkait, Ms. Joya Gonsalves and Ms. Dhanashree Warudkar.

The experts from Hi-Media team, Mr. Nitesh Halwai and Mr. Sumit Tawade took lot of efforts to explain the procedures to the students. They also explained the scope and applications of these techniques in the field of academia, research and industry. The students found the workshop very helpful and informative. Their views were taken in the form of feedback through online forms. The workshop ended with felicitating our student volunteers and a vote of thanks.


Dr. Shobha Gupta
(Convener)


Mrs. Arundhati Bane
(In-Charge, Science Association)




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/IDYAVARDHINI'S A.V. COLLEGE OF ARTS
K. M. COLLEGE OF COMMERCE
E.S.A. COLLEGE OF SCIENCE
VASAI ROAD, DIST.- PALGHAR
MAHARASHTRA - 401 202

20/02/2023

To,
The Principal,
A.V. College,
Vasai Road.

Subject: Permission regarding organization of two days hands on training on "Molecular Biology Techniques & Trouble shooting" at Dept. of Biotech

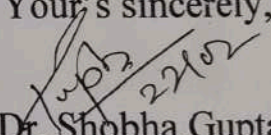
Respected Sir,

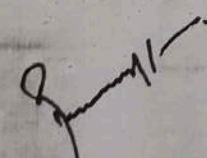
We the faculty of Dept. of Biotech, want to conduct two days (24th Feb & 25th Feb, 2023) hands on training on "Molecular Biology Techniques & trouble shooting" for our B. Sc. Biotechnology students, by the experts from Hi-Media Company. The techniques included in the training are part of the syllabus and the instruments required are not available in our lab.

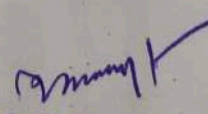
Kindly permit us & also provide breakfast & lunch for the Expert Team & Staff on 24th & 25th February, 2023.

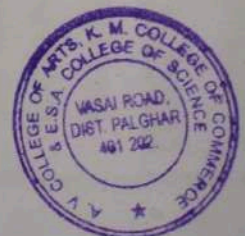
Thanking you in anticipation.

Your's sincerely,


Dr. Shobha Gupta
Assistant Professor &
Training co-ordinator
Department of Biotechnology
A. V. College, Vasai road (W)


Enclosure: Flyer and training-workshop schedule


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Fwd: Confirmation of 3 days workshop on 23rd, 24th & 25th February 2023 at 9am- 4pm.

1 message

Shobha Gupta <shobha.gupta@avc.ac.in>
To: Sadhana Purkait <sadhana.purkait@avc.ac.in>

Wed, Sep 6, 2023 at 3:10 PM

----- Forwarded message -----

From: Nitesh Halwai <niteshh@himedialabs.com>
Date: Tue, Feb 21, 2023, 13:36
Subject: Re: Confirmation of 3 days workshop on 23rd, 24th & 25th February 2023 at 9am- 4pm.
To: Shobha Gupta <shobha.gupta@avc.ac.in>
Cc: <yogitaj114@gmil.com>, Nilesh Patekar <npatekar@himedialabs.com>, Sumit Tawade <stawade@himedialabs.com>

Dear Ma'am,

As per our discussion, can we schedule it for 2 days (i.e. 24-25 Feb Fri & Sat), in which we can conduct the following experiments.

1. PCR
2. RAPD
3. RFLP

Timings for this you can consider is 9-4. Lunch & other breaks we can schedule during incubation or free time during experiments.

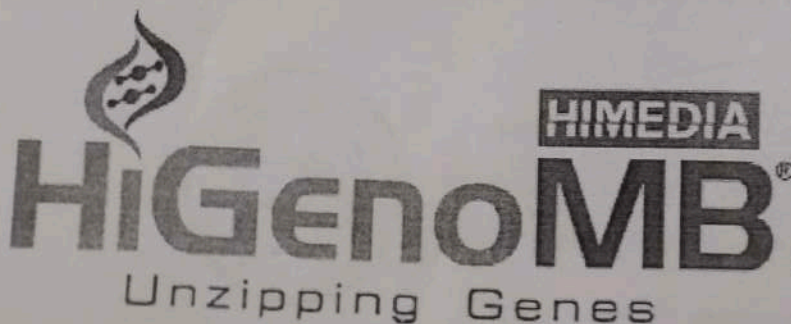
I request you to go through technical sheets provided with kits & keep ready all material required but not provided with kit.

Thanks & Regards,

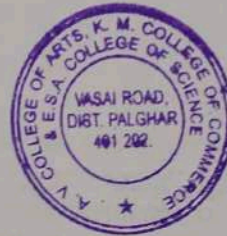
Nitesh S. Halwai
Product Specialist


HiMedia Labs Pvt. Ltd.
C40, Neheru Nagar,
Wagle Industrial Estate,
Thane West, Thane-400604.

Contact No.- 8080187070/8422915204
Email ID-niteshh@himedialabs.com

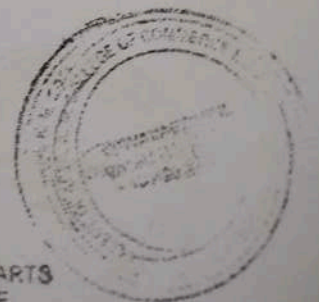
Catalogue- <https://himedialabs.com/Catalogue/2022/index.html>

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MAHARASHTRA - 401 202



Dear Sir,

This is for your kind information and necessary action that we have placed order for below mentioned kit from Darshit Sanjay Shah RARCO RESEARCH LAB to conduct 3 days hands on training on molecular biology & trouble shooting workshop by your team members on 23th, 24th & 25th February from 9:00 am to 4:00 pm for approx 75 students pursuing BSc Biotechnology degree at Department of Biotechnology Vartak College Vasai Road (W). Kindly confirm dates for the same.

The Molecular Biology based experiments which will be demonstrated during training are listed below -

1. PCR
2. RAPD
3. Western blotting
4. RFLP

Kindly carry required instruments for the smooth conduction of aforesaid mentioned workshop.

Thanks and regards
Dr. Shobha Gupta
Training Coordinator &
Assistant Professor
Vartak College
Vasai w

----- Forwarded message -----

From: **Shobha Gupta** <shobha.gupta@avc.ac.in>

Date: Mon, Feb 6, 2023, 13:19

Subject: Regarding purchase of mentioned kits (with discount) and confirmation of 3 days workshop on 14th, 15th & 16th February 2023.

To: <niteshh@himedialabs.com>

Dear Sir,

As per telephonic conversation about 3 days hands on training on molecular biology & trouble shooting workshop on 14th, 15th & 16th February from 9:00 am to 3:00 pm at Department of Biotechnology Vartak College Vasai Road (W).

We are also in need of few kits which will be utilised for training are listed below -

1. PCR
2. RAPD
3. Western blotting

Kindly carry required instruments for conduction of aforesaid mentioned workshop.

Thanks and regards
Dr. Shobha Gupta
Assistant Professor
Vartak College
Vasai w

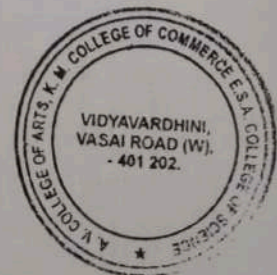


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Student skill development program

conducted by

Department of Biotechnology

Vidya Vardhini's Autonomous Vartak College of Arts, Science & Commerce of Vasai, Palghar, Maharashtra, India.

in collaboration with



announces its

Event Coordinator:
Dr. Shobha Gupta

Patron: Dr. Arvind Ubale,
Principal, Vartak College

MOLECULAR BIOLOGY TECHNIQUES

Training Workshop February 2023

Experiments to be conducted:

- 1) Agarose gel electrophoresis
- 2) PCR amplification using RAPD markers
- 3) Polymerase Chain Reaction (PCR)
- 4) RFLP Detection

Details:

Date: 24 and 25 February 2023

Timing: 9am to 4pm

Venue: Department of Biotechnology, A.V.C, Vasai - 401202

Participation Fees: ₹300 per person

Certificate would be provided by Hi media Laboratories.

TEAM:

Resource persons - Mitesh Hatwal, Product specialist- MB } Hi-media
Sumit Tawade, Product specialist- MB } Laboratories

Patron - Dr. Arvind Ubale, Principal, Vartak College

Co - Ordinator - Dr. Shobha Gupta

Co - coordinator - Prof. Kanika Bhargav
Dr. Aayushi Maloo

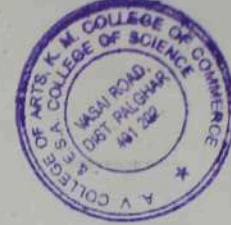
Organizing team - Prof. Sadhana Purkait
Prof. Joya Gonsalves
Prof. Dhanashree Warudkar
Yogita Chavan (Laboratory Assistant)

Students

Sheetal Gupta
Aditya Chakraborty
Abhijit Singh
Durya Gulekar
Sahil Dalvi
Chirag Ghutukade
Esha Jaiswal

Principal

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For Registration:



