



PROGRESSIVE EDUCATION SOCIETY'S
MODERN COLLEGE
GANESHKHIND PUNE 411 016




जैवप्रौद्योगिकी विभाग
DEPARTMENT OF
BIOTECHNOLOGY

Training Workshop on **Modern Analytical Techniques** (Under DBT-BUILDER)



12th to 14th
October 2023

Organized by
Department of Biotechnology
PES's Modern College of Arts, Science and Commerce
(Autonomous)
Ganeshkhind , Pune 411 016

Team:
Dr. Geetanjali Litake
Dr. Uttara Oak
Dr. Brajmohan
 **9890898538, 9890217917**

Workshop Highlights

- High Performance Liquid Chromatography (HPLC)
- Atomic Absorption Spectroscopy (AAS)
- Fourier-Transform Infrared spectroscopy (FTIR)
- Gas Chromatography (GC)
- Nano-drop

- **Eligibility:** Faculty Members/ Researchers/ /Post-doctoral Fellows/ PhD Students/ Project Fellows from Life Sciences / Chemical Sciences/ Allied Subjects
- Send your CV and a cover letter stating the purpose of participation, as a single PDF to vinay.kumar@moderncollegegk.org

- **Seats are limited to 20 only.**
- **Last date for application: 05/10/2023**
- **Registration Fees: Rs. 1000** (Including workshop kit, breakfast, lunch and tea)
- Accommodation can be arranged on request in Guest house/ Hostel / Hotel. Charges to be paid by the candidates, separately.

Dr. Vinay Kumar
Head, Department of Biotechnology
Coordinator, DBT-BUILDER

Dr. Sanjay Kharat
Principal
Modern College, Ganeshkhind, Pune

**Training Workshop on ‘Modern Analytical Techniques’
(Under DBT- BUILDER)
Department of Biotechnology
PES’s Modern College, Ganeshkhind, Pune 411016**

Programme Schedule

Day	Time	
Day 1 Thursday, 12/10/2023	9.00 am -10.00 am	Registration and Breakfast
	10.00 am - 10.30 am	Inauguration
	10.30 am - 12.00 noon	Session I Expert Lecture By Mr. R. Girijan
	12.00 noon – 1.00 pm	Session II Gas Chromatography
	1.00 pm - 1.45 pm	Lunch Break
	1.45 pm - 2.30 pm	Gas Chromatography
	2.30 pm - 4.00 pm	Session III Nanodrop
Day 2 Friday, 13 /10/2023	9.15 am - 10.00 am	Breakfast
	10.00 am – 11.00 am	Session IV Expert Lecture By Dr. Anupa Kumbhar
	11.00 am - 12.45 pm	Session V Atomic Absorption Spectroscopy
	12.45 pm - 1.30 pm	Lunch Break
	1.30 pm - 2.30 pm	Atomic Absorption Spectroscopy
	2.30 pm - 4.00 pm	Session VI Fourier Transform Infrared Spectroscopy
Day 3 Saturday, 14/10/2023	9.15 am - 10.00 am	Breakfast
	10.30 am - 12.45 pm	Session VII High Performance Liquid Chromatography
	12.45 pm - 1.30 pm	Lunch Break
	1.30 pm - 3.00 pm	High Performance Liquid Chromatography
	3.00 pm onwards	Valedictory Function



 Principal
 Modern College of Arts, Science
 & Commerce, Ganeshkhind, Pune-16

Hands-On-Training Workshop on
Modern Analytical Techniques
 Under the aegis of DBT-BUILDER

10th to 12th January 2023

Title	Training Workshop on “ Modern Analytical Techniques ” (Under the aegis of DBT-BUILDER)
Date	12 th , 13 th and 14 th October 2023
Time	10.00 am – 5.00 pm
No. of Participants	17
Coordinator	Dr. Vinay Kumar, Dept. of Biotechnology
Organizing Committee	Dr. Gitanjali Litake (Faculty, Dept. of Biotechnology) Dr. Uttara Oak (Faculty, Dept. of Biotechnology) Suraj Patil (Research Scholar, Dept. of Biotechnology) Pramod Barathe (Research Scholar, Dept. of Biotechnology) Sagar Reddy (Research Scholar, Dept. of Biotechnology)
REPORT	
10/01/2023	Inaugural session Anchor- Dr. Geetanjali Litake Inauguration of the workshop and release of workshop booklet followed by address by Dr. Vinay Kumar (Coordinator- DBT BUILDER) and Principal Dr. Sanjay Kharat
	Session 1- Gas Chromatography Expert Lecture: Mr. R. Girijan
	Session 2- Gas Chromatography Session Coordinator – Suraj Patil A presentation on instrumentation, sample preparation, working and operation followed by training session (Conducted by Suraj Patil)
	Session 3- Nanodrop Session Coordinator – Dr. Uttara Oak A presentation on instrumentation, sample preparation, working and operation (by Dr. Uttara Oak) followed by Hands on training session (Conducted by Pramod Barathe)
11/01/2023	Session 4 – Expert Lecture (AAS, HPLC) Expert Lecture: Dr. Anupa Kumbhar** Session 5- Atomic Absorption Spectroscopy Session Coordinator – Suraj Patil Demonstration of sample preparation, working and operation (Conducted by Suraj Patil) Session 6- Fourier Transform Infrared Spectroscopy (FTIR) Session Coordinator –Pramod Barathe A presentation on instrumentation, sample preparation, working and operation followed by Hands on training session (Conducted by Pramod Barathe)
12/01/2023	Session 7- High Performance Liquid Chromatography (HPLC) Session Coordinator –Sagar Reddy Hands on training session (Conducted by Sagar Reddy)
	Valedictory Function- Anchor- Dr. Uttara Oak Session on feedback from the participants followed by Valedictory function at the hands of Dr. Vinay Kumar, Coordinator, DBT BUILDER scheme



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Resource Person's profile:

Mr. R. Girijan * is a product consultant in the field of analytical instrumentation with around 44 years of experience in the analytical field. He is a post graduate in Analytical Chemistry,

Fellow of the Institution of Chemists (India), Member of the American Chemical Society and Life member of Indian Society of Industrial Chemistry. He worked in Pharmaceutical as well as Paints & Polymer fields and has approval from FDA, Maharashtra in the field of Chemical and Instrumentation analysis. He has extensive experience in Chromatographic and Spectroscopic analysis. He has been a guest lecturer at various institutions of national repute, Corporates as well as Universities/Colleges. He had undergone advanced training in the field of Chromatography and Spectroscopy at Thermo-Fisher Scientific, UK & Italy and also at Shimadzu Corporation, Japan, China and Singapore. Currently he is working with Toshvin Analytical Pvt. Ltd., Mumbai as a Product Consultant.

Dr. Anupa Kumbhar** is currently engaged as Associate Professor, Department of Chemistry, Savitribai Phule Pune University (SPPU). She has a doctorate in Chemistry from SPPU and a post doc from Duke University, Durham, North Carolina, USA. Her research interests include Bioinorganic and Coordination Chemistry, Sensors and Radiation and Photochemistry. She has contributions in BARC- SPPU collaborative Project, BCUD project and BRNS project


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Glimpses of the Workshop



Inaugural Session- Dr. Geetanjali Litake



Address by Dr. Vinay Kumar



Release of workshop pamphlet at the hands Principal Dr. Kharat



Address by Principal Dr. Kharat



Address by Principal Dr. Kharat



Session on Nanodrop – Dr. Uttara Oak



Online Guest Lecture by Dr. Girijan, Toshvin Analytical Pvt. Ltd.



Session on Gas Chromatography – Mr. Sagar Reddy



Dr. Anupa Kumbhar- Spectroscopic Techniques



Dr. Vinay Kumar- Session on “Research- Ethics, Publications and Fundings”



HPLC- Dr. Geetanjali Litake



HPLC Hands On – Mr. Sagar Reddy



Valedictory Function- Participant Feedback





Principal Dr. Sanjay Kharat at the Valedictory Session



Valedictory Session


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Modern College of Arts, Science
& Commerce, Ganeshkhind, Pune-16





Progressive Education Society's
MODERN COLLEGE (Autonomous)
Ganeshkhind, Pune



संयोजित विभाग
**DEPARTMENT OF
BIOTECHNOLOGY**

Training Workshop on
Modern Analytical Techniques
Under the aegis of DBT-BUILDER
12th to 14th October 2023

ATTENDANCE

S. No.	Name of the Participant	Designation and Affiliation	12/10/2023 Thursday	13/10/2023 Friday	14/10/2023 Saturday
1	Dr. Braj Mohan R Narayan	Assistant Professor, PES's Modern College, Ganeshkhind, Pune-16			
2	Kaumudi Kalele	Assistant Professor, PES's Modern College, Ganeshkhind, Pune-16			
3	Shivangi Naik	Assistant Professor, PES's Modern College, Ganeshkhind, Pune-16			
4	Shobha Devkar	Assistant Professor, PES's Modern College, Ganeshkhind, Pune-16			
5	Mrunal, Pardeshi <i>Manoj Singh</i>	Assistant Professor, PES's Modern College, Ganeshkhind, Pune-16			
6	Bhagyashree Sarode <i>Vishwas</i>	Assistant Professor, PES's Modern College, Ganeshkhind, Pune-16			
7	Garima Sharma	Research Scholar, University of Delhi, New Delhi			
8	Mithila M. Chinchalkar	Research Scholar, PES's Modern College, Ganeshkhind, Pune-16			
9	Ganesh Marked Namdeo Markad	Research Scholar, PES's Modern College, Ganeshkhind, Pune-16			
10	Vishal Wahat Gautam Dewhal	Research Scholar, PES's Modern College, Ganeshkhind, Pune-16			



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Ganeshkhind, Pune

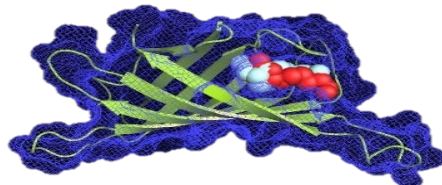


श्रीशैलसिद्धि विभाग
DEPARTMENT OF
BIOTECHNOLOGY

S. No.	Name of the Participant	Designation and Affiliation	12/10/2023 Thursday	13/10/2023 Friday	14/10/2023 Saturday
11	Prajakta Kulkarni	Research Scholar, Prof. Ramkrishna More College, Akurdi, Pune			
12	Akshada Deshmane	Research Scholar, Prof. Ramkrishna More College, Akurdi, Pune			
13	Deepika Eknath Walunj	Research Scholar, PES's Modern College, Ganeshkhind, Pune-16			
14	Meghnath Ingole	Research Scholar, PES's Modern College, Ganeshkhind, Pune-16			
15	Varsha Hanumant Bhong	Research Scholar, PES's Modern College, Ganeshkhind, Pune-16			
16	Rohit Walke	Research Scholar, C. T. Bora College, Shirur, Pune			
17	Kushbu Chouhan	SRL-Technical Officer, KEM Hospital and Seth G.S. Medical College, Mumbai			



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GANESHKHIND PUNE 411 016



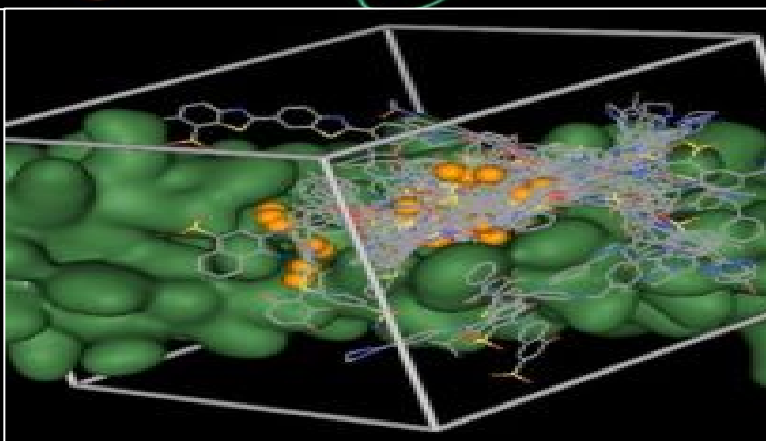
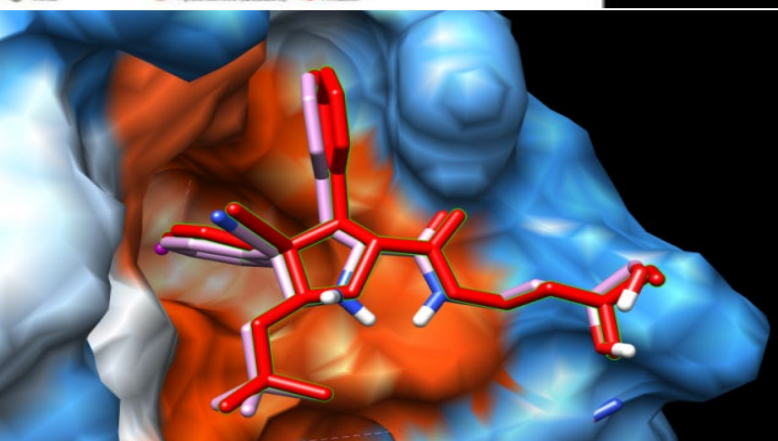
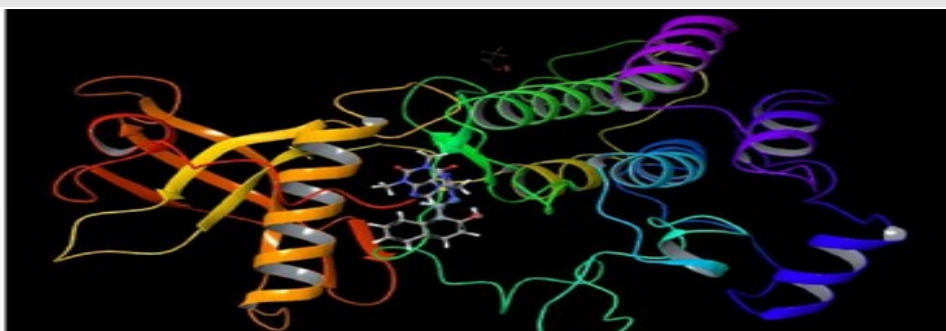
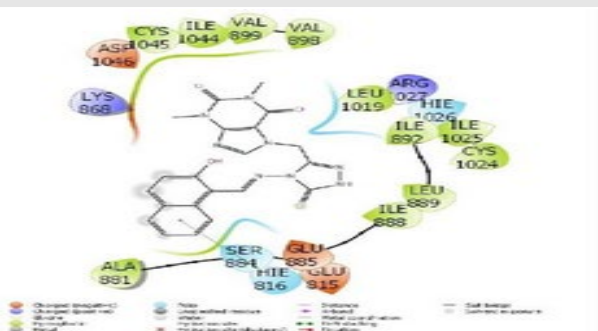
जैवप्रौद्योगिकी विभाग
DEPARTMENT OF
BIOTECHNOLOGY

सत्यमेव जयते

Hands-on-training Workshop on

Chemoinformatics: Drug Molecules & Microbe Interactions

(Under DBT-BUILDER)



16th February
2024

Organized by
Department of Biotechnology
PES's Modern College of Arts, Science and Commerce
(Autonomous)
Ganeshkhind , Pune 411 016

Team:

Ms. Kawaljeet Kaur
Dr. Ganesh Nawkar



7972978970, 9834977166

Workshop Highlights

- ADMET Analysis
- Pocket Finding
- Molecular Docking
- Drawing Tools

- Eligibility: Students of MSc - Biotechnology / Microbiology / Zoology
- No Registration fees for participation.
- Participants should carry their laptops.

- Seats are limited to 15 only.
- Last date for applying: 14/02/2024
- Certificates will be provided to all participants.

Dr. Vinay Kumar
Head, Department of Biotechnology
Coordinator, DBT BUILDER

Dr. Sanjay Kharat
Principal
Modern College, Ganeshkhind



Progressive Education Society's
Modern College (AUTONOMOUS)
Ganeshkhind Pune 411 016



जैवप्रौद्योगिकी विभाग
DEPARTMENT OF
BIOTECHNOLOGY

Hands-On Training Workshop on
Cheminformatics: Drug Molecules and Microbe Interaction
Under the aegis of DBT-BUILDER
16th February 2024

SCHEDULE

Day	Sessions	Time	Topic
16 th Feb 2024	Session 1	09.00 AM to 09.30 AM	Registration
		09.30 AM to 10.00 AM	NCBI, PubChem, and PDB data retrieval
		10.00 AM to 11.00 AM	ChemSketch drawing tool
		11.00 AM to 12.00 PM	Pocket Finder
	Session 2	12.00 PM to 01.00 PM	Lunch Break
		01.00 PM to 01.30 PM	ADMET analysis
		01.30 PM to 03.00 PM	Molecular docking by AutoDock
		03.00 PM to 03.30 PM	Valedictory Session



Hands-On-Training Workshop on
Chemoinformatics: Drug Molecules and Microbe Interaction
Under the aegis of DBT-BUILDER

16th February 2024

Title	Hands-on-Training Workshop on “Chemoinformatics: Drug Molecules and Microbe Interactions” (Under the aegis of DBT-BUILDER)
Date	16 th February 2024
Time	09.30 am – 15.30 pm
No. of participants	18
Coordinator	Dr. Vinay Kumar
Organizing Committee	Ms. Kawaljeet Kaur (Faculty, Dept of Biotechnology) Dr. Ganesh Nawkar (Faculty, Dept of Biotechnology) Mr. Pramod Barathe (Research Scholar, Dept of Biotechnology) Mr. Sagar Reddy (Research Scholar, Dept of Biotechnology)
REPORT	
16/02/2024	Session I – NCBI, PubChem, and PDB data retrieval Session Co-ordinator- Mr. Pramod Barathe Discussion on data in life sciences, and data retrieval systems from NCBI, PubChem, and PDB followed by the hands-on training on NCBI, PubChem, and PDB data retrieval. (Hands on training session conducted by Mr. Pramod Barathe)
	Session II – ChemSketch drawing tool and Pocket Finder Session Co-ordinator- Dr. Ganesh Nawkar Explained the uses of the ChemSketch drawing tool and discussed the CASTp tool, followed by the hands-on training on the ChemSketch drawing tool and CASTp (pocket finder). (Hands-on training session conducted by Dr. Ganesh Nawkar)
	Session III – ADMET analysis Session Co-ordinator-Mr. Sagar Reddy Presentation on ADMET analysis and followed by hands-on training session on SwissADME online software. (Hands-on training session conducted by Mr. Sagar Reddy)
	Session IV- Molecular docking by Discovery Studio and Autodock Vina Session Co-ordinator-Ms. Kawaljeet Kaur Presentation on Docking followed by a hands-on training session on Docking using Discovery Studio and auto dock vina. (Hands-on training session conducted by Ms.Kawaljeet Kaur)
	Valedictory Function Anchor-Ms. Kawaljeet Kaur Valedictory function at the hands of DBT co-ordinator Dr. Vinay Kumar

Dr. Vinay Kumar
Head, Department of Biotechnology
Co-ordinator, DBT BUILDER

Dr. Sanjay Kharat
Principal
Modern College, Ganeshkhind, Pune



Hands-on training workshop on
Cheminformatics: Drug Molecules and Microbe Interaction

Under the aegis of DBT-BUILDER

16th February 2024

Registration

Sr. No.	Name of the Participant	Signature
1	Ghosniya Rocha	
2	Garali Ajay Sanjay	
3	Suyog Sanjay Belhkar	
4	Shubhi Mathur	
5	Munija Palkar	
6	Ritu Wankhede	
7	Maunmaji A. Chavan	
8	Shivani S. Naik	
9	Aairuddin Ajay Kulkarni	
10	Vaishnavi Raju Lohat	
11	Rachana Nandkumar Tilekar	
12	Radhika Sunil Shevale	
13	Nikita Khande	
14	Shreeraj Shekhar Lanke	
15	Saif Qamre Alam Shaikh	
16	Avantika Santosh Kardile	
17	Shamal G. Mhaisne	
18	Jayaramshini Balanuragan	
19		
20		



Hands-On Training Workshop on
Chemoinformatics: Drug Molecules and Microbe Interaction

Under the aegis of DBT-BUILDER

16th February 2024

ATTENDANCE

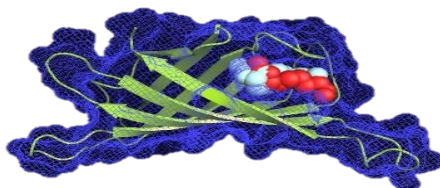
Sr. No.	Name of the Participant	Signature
1	Shreeraj Stekhar Lanke	
2	Radhika Sunil Shevale	
3	Rachana Nandkumar Tilekar	
4	Vaishnavi Raju Lohat	
5	Munija Mainuddin Palkar	
6	Shubhi Mathur	
7	Jayavarshini Balamurugan	
8	Nikita Khansale	
9	Garali Ajay Sanjay	
10	Sayog Belhekar	
11	Gloriya Rocha	
12	Ashamal Mhasine	
13	Avantika Kasedile	
14	Aniruddh Ajay Kulkarni	
15	Saif Qamre Alam Shaikh	
16	Ritva Sanjay Wankhede	
17	Mrunmayi Anil Chavan	
18	Shirani Sudhish Naik	
19		
20		

Photos of Session I and Session II





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SCIENCE & COMMERCE
GANESHKHIND PUNE 411 016



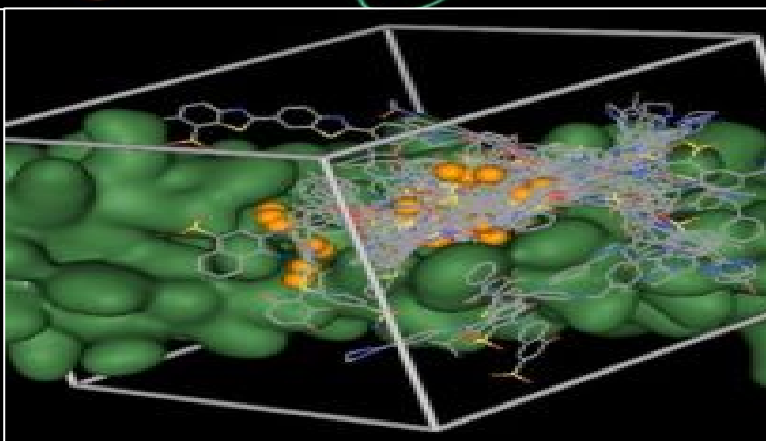
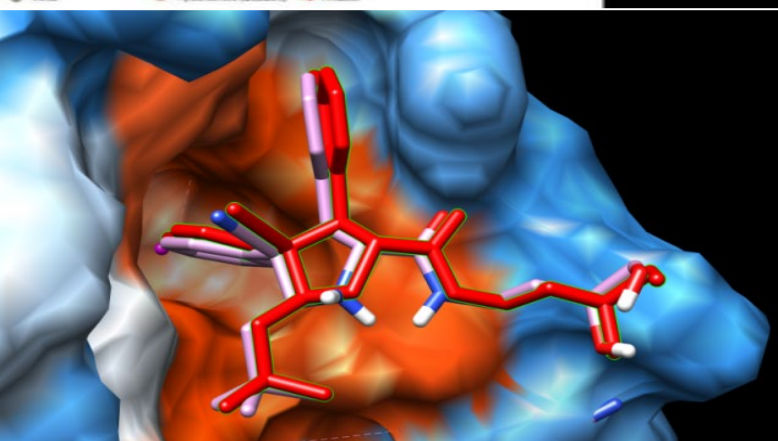
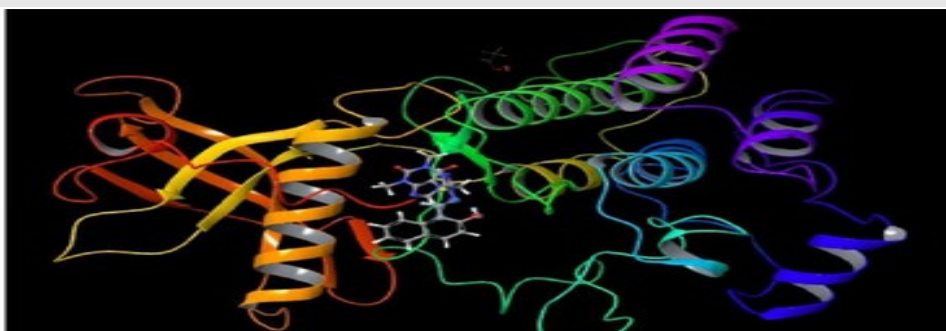
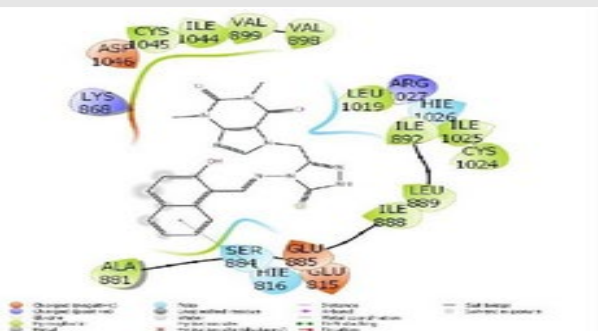
जैवप्रौद्योगिकी विभाग
DEPARTMENT OF
BIOTECHNOLOGY

सत्यमेव जयते

Hands-on-training Workshop on

Chemoinformatics: Drug Molecules & Microbe Interactions


(Under DBT-BUILDER)



**30th September
2024**

Organized by
Department of Biotechnology
PES's Modern College of Arts, Science and Commerce
(Autonomous)
Ganeshkhind , Pune 411 016

Team:
Ms. Kawaljeet Kaur, Mr. Pramod
Barathe, Mr. Sagar Reddy

 7972978970

Workshop Highlights

- ADMET Analysis
- Pocket Finding
- Molecular Docking

- Eligibility: Students of MSc -
Biotechnology / Microbiology / Zoology
- No Registration fees for participation.
- Participants should carry their laptops.

- Seats are limited to 20 only.
- Last date for applying: 16/09/2024
- Certificates will be provided to all
participants.

Dr. Vinay Kumar
Head, Department of Biotechnology
Coordinator, DBT BUILDER

Dr. Sanjay Kharat
Principal
Modern College, Ganeshkhind



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Modern College (AUTONOMOUS)
Ganeshkhind Pune 411 016



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DEPARTMENT OF
BIOTECHNOLOGY

Hands-On Training Workshop on
Cheminformatics: Drug Molecules and Microbe Interaction
Under the aegis of DBT-BUILDER
30th September 2024

SCHEDULE

Day	Sessions	Time	Topic
30 th Sep 2024	Session 1	09.00 AM to 09.30 AM	Registration
		09.30 AM to 10.00 AM	NCBI, PubChem, and PDB data retrieval
		10.00 AM to 11.00 AM	Pocket Finder
		11.00 AM to 12.00 PM	ADMET analysis
	Session 2	12.00 PM to 01.00 PM	Lunch Break
		01.00 PM to 03.00 PM	Molecular docking by Auto-Dock Vina
		03.00 PM to 03.30 PM	Valedictory Session



Hands-on training workshop on
Chemoinformatics: Drug Molecules and Microbe Interaction
Under the aegis of DBT-BUILDER
30th September 2024

Title-	Hands-on training workshop on Chemoinformatics: Drug Molecules and Microbe Interaction Under the aegis of DBT-BUILDER
Date	30 th September 2024
Time	09:00 am to 03.30 pm
No. of Participants	22
Coordinator	Dr. Vinay Kumar, Dept. Biotechnology
Organizing Committee	Ms Kawaljeet Kaur (Faculty, Dept. of Biotechnology) Mr. Sagar Reddy (Research Scholar, Dept. of Biotechnology) Mr. Pramod Barathe (Research Scholar, Dept. of Biotechnology)
REPORT	
Session I	Introduction to Chemoinformatics and hands-on training in chemoinformatics software: - Session Co-ordinator- Mr. Pramod Barathe Presentation on introduction to chemoinformatics, file formats in chemoinformatics, application of chemoinformatics Followed by hands-on training in chemoinformatics software PubChem, discovery studio visualizer (pocket finder), Swiss PDB viewer, ChemSketch (Hands-on training session conducted by Mr. Pramod Barathe) ADMET analysis: - Session Co-ordinator - Mr. Sagar Reddy Presentation on ADMET analysis followed by a hands-on training session on Swiss ADME online software (Hands-on training session conducted by Mr. Sagar Reddy)
Session II	Molecular docking by Discover Studio and Auto Dock Vina Session Co-ordinator- Ms. Kawaljeet Kaur and Mr. Pramod Barathe Presentation on Docking followed by a hands-on training session on Docking using Discovery Studio and Auto Dock Vina (Hands-on training session conducted by Ms. Kawaljeet Kaur)
Valedictory Function	Anchor - Ms. Kawaljeet Kaur Valedictory function at the hands of Principal Dr. Sanjay Kharat.



Hands-on training workshop on
Chemoinformatics: Drug Molecules and Microbe Interaction

Under the aegis of DBT-BUILDER

30th September 2024

Registration

Sr. No.	Name of the Participant	Signature
1	Aarya Dhananjay Kulkarni	
2	Aditi Phatak	
3	Akanksha Gurjar	
4	Akash Jagannath Madake	
5	Bhumika Mahendra Mhatre	
6	Chaitanya Balaji Bansode	
7	Dipanwita Das	
8	Kale Vishwas Balasaheb	
9	Khushi Chokshi	
10	Dr. Monica Jamla	
11	Omkar Sunil Nanaware	
12	Pandey Abhinav Dinesh	
13	Prathamesh Waghmode	
14	Pruthvi Appa Karande	
15	Purvi Ramdas Karkhile	
16	Rohan Sushil Barse	
17	Roshani Ganesh Jagtap	
18	Vaibhavi Vishnu Pawar	
19	Mohammed Faizan Sajid Ahmed Shaikh	
20	Mohd Shiraz Mohd Sajid	
21	Mahesh Vasudev Jagtap	
22	Zaineab Mithaiwala	
23	Maryam Faiza	
24	Shabnoor Patel	
25	Bhanushali Kshitij Santosh	



Hands-On Training Workshop on
Chemoinformatics: Drug Molecules and Microbe Interaction

Under the aegis of DBT-BUILDER

30th September 2024

ATTENDANCE

Sr. No.	Name of the Participant	Session I	Session II
1	Omkar sunil Nanaware	Bnanaware	Bnanaware
2	Dipanjwita Das	Das	Das
3	Aditi Phatak	AD	AD
4	Chaitanya Bansode	Chaitanya	Chaitanya
5	Akanksha Gurjar	A Gurjar	A Gurjar
6	Pruthvi Karande	Pruthvi	Pruthvi
7	Rohan Barse	Rohans	Rohans
8	Madake Akash Jagannath	Madake J. M.	Madake J. M.
9	Kushi Chokshi	Kushi	
10	Aceya kulkaeni	Aceya	
11	Pranamesh Klaghade	PK	PK
12	Jagtap Mahesh Vasudev	M.V. Jagtap	M.V. Jagtap
13	Mohd. Faizan Shaikh	Faiz	Faiz
14	Maryam Faiza Ahmad	Maryam	Maryam
15	Zaib Mustafa Mithaiwala	Zaib	Zaib
16	Kate Vishwas Balasahel	Kate	Kate
17	Mohd Shiraz Mohd Sajid	Shiraz	Shiraz
18	Abhinav Dinesh Pandey	Abh	Abh
19	Kshitij Santosh Ghunushali	Kshitij	Kshitij
20	Roshani Ganesh Jagtap	Roshani	Roshani
21	Purni Ramdas Karkhile	Purni	Purni
22	Dr. Monica Jamla	Monica 30/9/24	Monica 30/9/24
23	Abhinav Pr.		
24	Aceya Dharanjay kulkaeni	Aceya	Aceya
25	Kushi chokshi	Kushi	Kushi

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Repeat

Photos of Session I and Session II



National Hands-On-Workshop on
Techniques in Molecular Biology



Under the aegis of DBT-BUILDER

13th to 16th September 2023

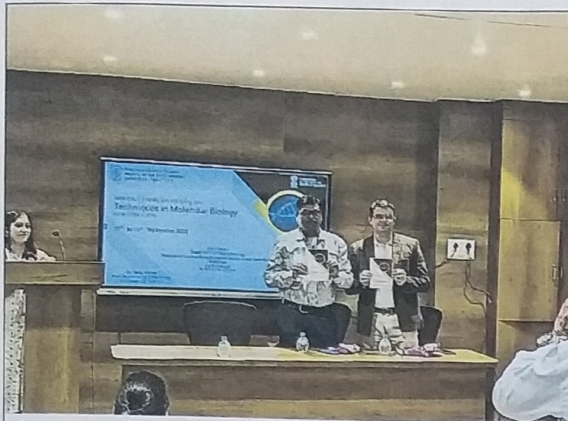
Title	National Hands-On-Workshop on “ Techniques in Molecular Biology ” (Under the aegis of DBT-BUILDER)
Date	13 th to 16 th September 2023
Time	10:00 am to 05:00 pm
No. of Participants	22
Co-ordinator	Dr. Vinay Kumar, Department of Biotechnology
Organizing Committee	Dr. Tushar Khare (Faculty, Dept. of Biotechnology) Dr. Monica Jamla (Faculty, Dept. of Biotechnology) Dr. Ganesh Nawkar (Faculty, Dept. of Biotechnology) Suraj patil (Research Scholar, Dept. of Biotechnology) Pramod Barathe (Research Scholar, Dept. of Biotechnology) Sagar Reddy (Research Scholar, Dept. of Biotechnology)

REPORT

13/09/2023	Inaugural Session Anchor: Dr. Monica Jamla Inauguration of the workshop and release of workshop booklet followed by address by Dr. Vinay Kumar (Coordinator-DBT BUILDER) and Principal Dr. Sanjay Kharat Vote of Thanks Anchor: Dr. Tushar Khare
	Hands-on Session 1 Isolation of Genomic DNA and Plasmid DNA A presentation on instrumentation, sample preparation, working and operation followed by Hands on training session
14/09/2023	Hands-on Session 2 Qualitative and Quantitative Analysis of DNA samples A presentation on Nanodrop Spectrophotometer instrumentation and Agarose gel electrophoresis, sample preparation, working and operation followed by Hands on training session
	Hands-on Session 3 Primer Designing A presentation on bioinformatics tools, working and operation followed by Hands on training session
15/09/2023	Hands-on Session 4 PCR reaction for gene amplification A presentation on instrumentation, sample preparation, working and operation followed by Hands on training session
	Hands-on Session 5 Isolation of Total RNA A presentation on instrumentation, sample preparation, working and operation followed by Hands on training session
16/09/2023	Hands-on Session 6 cDNA synthesis A presentation on instrumentation, sample preparation, working and operation followed by Hands on training session
	Hands-on Session 7 Real Time Quantitative PCR for Gene expression Levels Quantitation of the results for real time PCR data
	Valedictory Function Anchor: Dr. Ganesh Nawkar Session on the feedback from the participants followed by Valedictory function at the hands Principal Dr. Sanjay Kharat



 Principal
 Modern College of Arts, Science
 & Commerce, Ganeshkhind, Pune-16

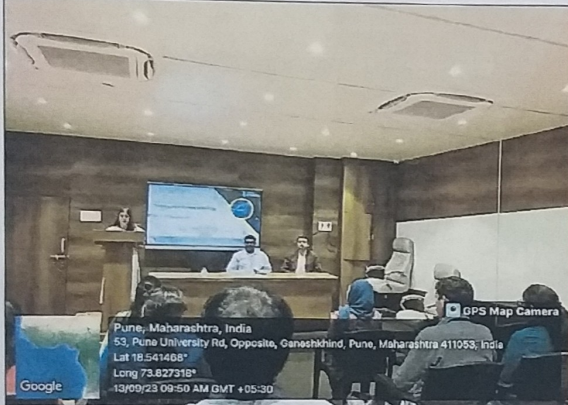
National Hands-On-workshop on
Techniques in Molecular Biology
Under the aegis of DBT-BUILDER
13th to 16th September 2023



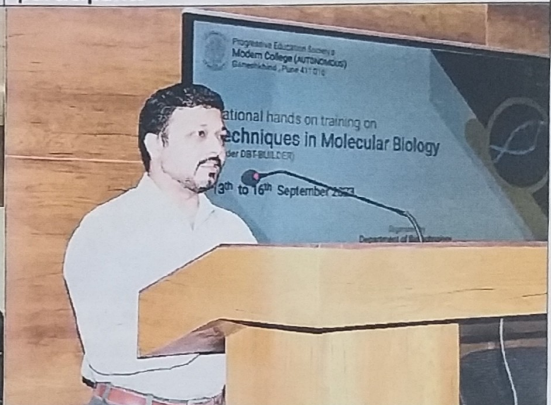
Inauguration of Workshop by Principal, Dr. Sanjay Kharat



Principal, Dr. Sanjay Kharat addressing the participants



Introduction of the workshop : Dr. Monica Jamla




Vote of thanks : Dr. Tushar Khare



Hands on Session 1: Isolation of Genomic DNA



Hands on Session 1: Isolation of Plasmid DNA


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Techniques in Molecular Biology

Under the aegis of DBT-BUILDER

13th to 16th September 2023



Hands on Session 7: Real Time PCR analysis



Quantitation of the results for RT PCR data



Vote of Thanks : Dr. Ganesh Nawkar



Participants giving valuable feedbacks



Certificate distribution

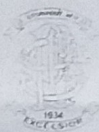


Group Photograph

Dr. Vinay Kumar
Head, Department of Biotechnology
Coordinator, DBT BUILDER

Dr. Sanjay Kharat
Principal
Modern College, Ganeshkhind, Pune

Principal
Modern College of Arts, Science
and Commerce, Ganeshkhind, Pune-16



National Hands-On-Workshop on
Techniques in Molecular Biology
 Under the aegis of DBT-BUILDER
 13th to 16th September 2023

ATTENDANCE

S. No.	Name of the Participant	13/09/2023 Wednesday	14/09/2023 Thursday	15/09/2023 Friday	16/09/2023 Saturday
1	Surabhi Surabhi Yadav (Surabhi Yadav)	<i>Surabhi</i>	<i>Surabhi</i>	<i>Surabhi</i>	<i>Surabhi</i>
2	S. Aneeqa Noor	<i>Aneeka</i>	<i>Aneeka</i>	<i>Aneeka</i>	<i>Aneeka</i>
3	Nishu Kojta	<i>Nishu</i>	<i>Nishu</i>	<i>Nishu</i>	<i>Nishu</i>
4	Dr. Pooja Gokhale Sinha	<i>Pokhale</i> 13/9/23	<i>Pokhale</i> 14/9/23	<i>Pokhale</i> 15/9/23	<i>Pokhale</i> 16/9/23
5	Dr. Sachin Gosavi	<i>Sachin Gosavi</i> 13/9/23	<i>Sachin Gosavi</i> 14/9/23	<i>Sachin Gosavi</i> 15/9/23	<i>Sachin Gosavi</i> 16/9/23
6	Anna Dr. Swapnil Shewale	<i>Swapnil</i>	<i>Swapnil</i>	<i>Swapnil</i>	<i>Swapnil</i>
7	Mr. Sunil Jagannath Koli	<i>Sunil</i>	<i>Sunil</i>	<i>Sunil</i>	<i>Sunil</i>
8	Dr. Asha Kadam Dr. Asha Bhausaheb Kadam	<i>Asha</i>	<i>Asha</i>	<i>Asha</i>	<i>Asha</i>
9 Miss	Apeksha Yadav	<i>Amyada</i>	<i>Amyada</i>	<i>Amyada</i>	<i>Amyada</i>

[Signature]
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 Modern College of Arts, Science
 Commerce, Ganeshkhind, Pune-16





mr Jagadale Tushar sanjay

✓ 10	Tushar Jagadale	<u>Jagadale</u>	<u>Jagadale</u>	<u>Jagadale</u>	<u>Jagadale</u>
✓ 11	Ms. Barve Trupti Subhash	<u>Barve</u>	<u>Barve</u>	<u>Barve</u>	<u>Barve</u>
✓ 12	Dr. Mujeeb A:J Shaikh	<u>Shaikh</u>	<u>Shaikh</u>	<u>Shaikh</u>	<u>Shaikh</u>
✓ 13	Dr. Govind Santoba Dhulgande	<u>Dhulgande</u>	<u>Dhulgande</u>	<u>Dhulgande</u>	<u>Dhulgande</u>
✓ 14	Dr. Mukta Nagpurkar	<u>Mukta Nagpurkar</u>	<u>Mukta Nagpurkar</u>	<u>Mukta Nagpurkar</u>	<u>Mukta Nagpurkar</u>
✓ 15	Ms. Kiran Jagtap	<u>Jagtap</u>	<u>Jagtap</u>	<u>Jagtap</u>	<u>Jagtap</u>
✓ 16	Balgude Supriya Rajendra	<u>Balgude</u>	<u>Balgude</u>	<u>Balgude</u>	<u>Balgude</u>
✓ 17	Dr. Braj Mohan R. Narayan	<u>Narayan</u>	<u>Narayan</u>	<u>Narayan</u>	<u>Narayan</u>
✓ 18	Mr. Ganesh Namdeo Markad	<u>Markad</u>	<u>Markad</u>	<u>Markad</u>	<u>Markad</u>
✓ 19	Ms. Varsha Vyawahare Bhong	<u>Bhong</u>	<u>Bhong</u>	<u>Bhong</u>	<u>Bhong</u>
✓ 20	Meghnath Ingole	<u>Ingole</u>	<u>Ingole</u>	<u>Ingole</u>	<u>Ingole</u>
✓ 21	Dr. Archana Pagare	<u>Pagare</u>	<u>Pagare</u>	<u>Pagare</u>	<u>Pagare</u>

Principal
 Modern College of Arts, Science
 Commerce, Ganeshkhind, Pune-16



PROGRESSIVE EDUCATION SOCIETY'S
MODERN COLLEGE (AUTONOMOUS)
GANESHKHIND PUNE 411 016



जैवप्रौद्योगिकी विभाग
DEPARTMENT OF BIOTECHNOLOGY

Workshop

Hands-on training workshop on Techniques in Molecular Biology

(Under DBT-BUILDER)

13 to 16
September 2023



Who can attend: Faculty members, Post-doctoral researchers, Ph.D. students, and Researchers from Biotechnology / Life Sciences / Chemical Sciences/ Allied subjects.

Organized by

Department of Biotechnology
PES's Modern College of Arts, Science and Commerce (Autonomous)
Ganeshkhind, Pune 411 016

Team

Dr. Tushar Khare
Dr. Monica Jamla
Dr. Ganesh Nawkar



9764447330 ; 9767839708

Workshop Highlights

- Isolation of Genomic DNA and Plasmid DNA
- Quality check and quantification of DNA using Nanodrop and Gel-electrophoresis
- PCR Primer designing and PCR analysis
- Isolation of RNA, cDNA synthesis
- Gene expression analysis using real time qPCR



- Send your CV and a cover letter stating the purpose of participation, as a single PDF to vinay.kumar@moderncollegegk.org
- **Registration Fees:** Rs. 1,000 (including workshop kit, breakfast, lunch, tea)

- **Seats are limited to 20 only.**
- **Last date for application: 5th September 2023**
- Accommodation can be arranged on request in Guest house/ Hostel / Hotel, with charges to be paid by the candidates, separately.

Dr. Vinay Kumar
Head, Department of Biotechnology
Coordinator, DBT BUILDER

Dr. Sanjay Kharat
Principal
Modern College, Ganeshkhind, Pune

Principal
Modern College of Arts, Science
& Commerce, Ganeshkhind, Pune-16



National Level Hands-On-Training Workshop on
Fish Disease Detection and Diagnosis
 Under the aegis of PMMSY and DBT-BUILDER
 16th to 17th March 2023

Title	Hands-On-Training Workshop on Aquatic animal Health Management Under the aegis of PMMSY and DBT-BUILDER.
Date	12 ^h to 13 th April 2024
Time	10:00 am to 05:00 pm
No. of Participants	20
Co-ordinator	Dr. Vinay Kumar, Department of Biotechnology
Organizing Committee	Dr. Snehal Gagare (Faculty, Dept. of Biotechnology) Dr. Nivedita Das (Faculty, Dept. of Biotechnology) Dr. Ganesh Nawkar (Faculty, Dept. of Biotechnology) Mr. Pramod Barathe (Research Scholar, Dept. of Biotechnology)
REPORT	
12/04/24	Inaugural Session Chief Guest :Shri Vijay Shikare– Dy. Comm. Fisheries Development State of Maharashtra Invited Speaker Shri. Ketan Mane CEO, Vaideika Aquaculture services Comparer : Dr. Snehal Gagare Inauguration of the workshop and release of workshop booklet followed by address by Chief Guest, Principal, Dr. Sanjay Kharat
12/04/24	Session 1 Keynote Address by Shri Vijay Shikare– Dy. Comm. Fisheries Development State of Maharashtra Current scenario of Fisheries and Aquaculture , scope and role of entrepreneurs.
12/04/24	Session 2 Talk by Shri Ketan Mane, Prawn culture techniques, adversity face and future prospect
12/04/24	Session 3 Interaction with Shri Vijay Shikare, Shri Ketan Mane, Shri Tamboli A discussion platform for sharing the success story of fish farming's –Do's and Don'ts.
12/04/24	Session 4 Hands on Session on Prawn Dissection by Dr. Sanjay Kharat Detailed hands on session on Prawn dissection.
12/04/24	Session 5 Hands on Session on DNA isolation from the Prawns by Dr. Snehal Gagare Isolation of DNA , quantification of DNA by Nanodrop.
12/04/24	Session 6: Hands on Session on PCR for White spot syndrome virus – first PCR by Dr.Ganesh Nawkar
13/04/24	Session 7: Hands on Session on Nested PCR – by Dr.Ganesh Nawkar
13/04/24	Session 8: Talk by Dr. Cuckoo Mahapatra Scientist University of Odhisha Abiotic stress impact of heavy metals on Fishes
13/04/24	Valedictory Function Anchor- Dr.Nivedita Das Session on the feedback from the participants followed by Valedictory function at the hands Principal Dr. Sanjay Kharat

Day 1

The session was inaugurated by Chief Guest Shri Vijay Shikare– Dy. Comm. Fisheries Development State of Maharashtra who emphasized the importance of diagnosis center for fishes in Pune and also appreciated the efforts put in by Modern College of ASC , Ganeshkhind Pune. The dignitaries unveiled the protocol brochure of the workshop and session commence with enlightening lecture on Current scenario of Fisheries and Aquaculture scope and role of entrepreneurs.

Principal, Dr. Sanjay Kharat who envisioned this workshop highlighted the rationale and significance of early diagnosis and need of health management in aquaculture .Head of the Department, DBT- BUILDER Co-ordinator, Dr. Vinay Kumar concluded the inaugural session mentioning the role of skill enhancement hands on session in early careers of youth.The inaugural session was successfully compared by Dr. Snehal Gagare.The hands on training session was conducted in the CIF lab by Dr Sanjay Kharat , Dr. Snehal Gagare, and Ganesh Nawkar that included Detailed hands on session on Prawn dissection, Isolation of DNA , quantification of DNA by Nanodrop, **Hand on Session on PCR for White spot syndrome virus respectively**

Day 2

The Day 2 of workshop commenced with success stories and interaction with the entrepreneurs and Hands on Session on Nested PCR – by Dr.Ganesh Nawkar. The session continued with informative Talk by Dr. Cuckoo Mahapatra Scientist University of Odisha on Abiotic stress impact of heavy metals on Fishes The session was concluded Valedictory session chaired by workshop. Principal, Dr. Sanjay Kharat, and Head of the Department, Dr. Vinay Kumar interacted with the participants. At the end of the session certificates were distributed to all the participants and organizing members of the workshop.The session was successfully compared by Dr. Snehal Gaagre and Dr Nivedita Das vote of thanks was proposed by Dr. Ganesh Nawkar



Inauguration of Workshop and unveiling of booklet



Invited Talks



Keynote address: Shri Vijay Shikare



Invited Talk by Shri Ketan Mane



Participants performing Biopsy of fish



Participants performing DNA isolation

Day 3: 13th April 2024



Interaction with Participants



Discussion with Aquaculturist from Tamboli fish farm



Valedictory function



Valedictory function

Head of the Department

Principal

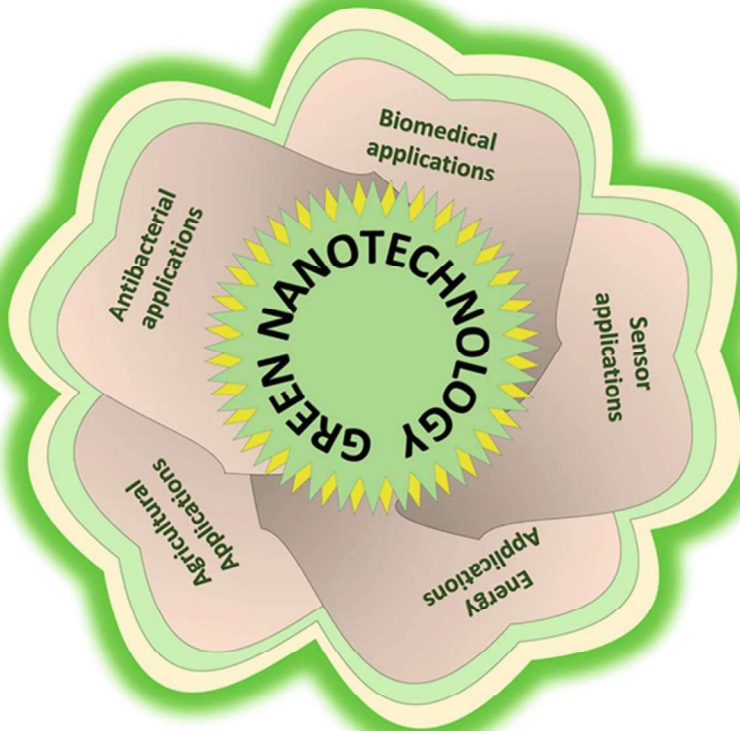


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जैवप्रौद्योगिकी विभाग
DEPARTMENT OF
BIOTECHNOLOGY

Hands on training workshop on Green Nanotechnology (Under DBT-BUILDER)



Workshop Highlights

- Hands on session on Green Synthesis and functionalization
- Characterization of environmentally sustainable NPs (UV- Vis Spectroscopy and FTIR)



27th and 28th March 2024
Duration: 2 Days

Organized by
Department of Biotechnology
(Department supported under DBT BUILDER Programme)
PES's Modern College of Arts, Science and Commerce
(Autonomous), Ganeshkhind , Pune 411 016

Team:
Dr. Uttara Oak
Ms. Kaumudi Kalele
9890217917
9561782238



- Eligibility: Students of MSc (Biotechnology, Chemistry, Microbiology and Zoology)
- Seats are limited to 30 only.
- Last date for submission of application: 18th March 2024
- No fees for Registration.

Dr. Vinay Kumar

Head, Department of Biotechnology
Coordinator, DBT BUILDER

Dr. Sanjay Kharat

Principal
Modern College, Ganeshkhind



Hands-On-Training Workshop on
Green Nanotechnology
 Under the aegis of DBT-BUILDER
 27th to 28th March 2024

Title	Hands-On-Training Workshop on “ Green Nanotechnology ” (Under the aegis of DBT-BUILDER)
Date	27 th and 28 th March 2024
Time	10.00 am – 2.00 pm
No. of Participants	22
Coordinator	Dr. Vinay Kumar, Dept. of Biotechnology
Organizing Committee	Dr. Uttara Oak (Faculty, Dept. of Biotechnology) Ms. Alisha Shaikh (Research Scholar, Dept. of Biotechnology) Mr. Pramod Barathe (Research Scholar, Dept. of Biotechnology)
REPORT	
27/03/2024	<ul style="list-style-type: none"> • Inauguration of the workshop followed by distribution of workshop protocol handout to Group 1 students • Introduction of participants and the organizers • 08 students from MSc, Microbiology, (Group 1) participated in the workshop on this day • Session by Dr. Uttara Oak on the ‘Rationale of green nanotechnology, green synthesis and characterization of nanoparticles.’
	Green synthesis of Zinc oxide nanoparticles using <i>Azadirachta indica</i> leaf extract Session Coordinator – Dr. Uttara Oak and Ms. Alisha Shaikh
	Functionalization of Zinc oxide nanoparticles with chitosan Session Coordinator – Dr. Uttara Oak and Ms. Alisha Shaikh
	Characterization of synthesized nanomaterials using UV-VIS spectroscopy and Fourier Transform Infrared Spectroscopy (FTIR) Session Coordinator –Ms. Alisha Shaikh and Mr. Pramod Barathe
28/03/2024	<ul style="list-style-type: none"> • Distribution of workshop protocol handout to Group 2 students • Introduction of participants and the organizers • 12 students from MSc, Microbiology, Biotechnology and Zoology and 2 Ph.D. scholars from Zoology (Group 2) participated in the workshop on this day • Session by Dr. Uttara Oak on the ‘Rationale of green nanotechnology, green synthesis and characterization of nanoparticles.’
	Green synthesis of Zinc oxide nanoparticles using <i>Azadirachta indica</i> leaf extract Session Coordinator – Dr. Uttara Oak and Ms. Alisha Shaikh
	Functionalization of Zinc oxide nanoparticles with chitosan Session Coordinator – Dr. Uttara Oak and Ms. Alisha Shaikh
	Characterization of synthesized nanomaterials using UV-VIS spectroscopy and Fourier Transform Infrared Spectroscopy (FTIR) Session Coordinator –Ms. Alisha Shaikh and Mr. Pramod Barathe
	Valedictory Function- Anchor- Dr. Uttara Oak Session on feedback from the participants followed by Valedictory function at the hands of Principal Dr. Sanjay Kharat

Glimpses of the Workshop



'Rationale of Green Nanotechnology'



Synthesis of ZnO Nanoparticles



Students in action -Synthesis of ZnO Nanoparticles



Characterization – FTIR Analysis



Principal Dr. Sanjay Kharat at Valedictory Function



Participant Feedback - Valedictory Session



Valedictory Session



Progressive Education Society's
MODERN COLLEGE (Autonomous)
Ganeshkhind, Pune



भारतीय विज्ञान
DEPARTMENT OF
BIOTECHNOLOGY

Hands-On-Training Workshop on
Green Nanotechnology
Under DBT-BUILDER
Attendance

27th March 2024

Sr. No.	Name	Email ID	Contact No.	Class	Department	Name of the College	Category	Signature
1	Noelline Vijay Ruptake	nruptake@gmail.com	7972897636	MSc-I	Microbiology	Modern College Ganeshkhind	Open	
2	Shreeraj Shekhar Lanke	shreeraj.lanke@gmail.com	8007776486	MSc-I	Microbiology	Modern college, Ganeshkhind	Open	
3	Diksha Rajendra Rajguru	diksharajguru10@gmail.com	4517220567	MSc-I	Microbiology	Modern college ganeshkhind	SC	
4	Ratnaja Rajesh Kote							
5	Vrushali Balaji Jadhav							
6	Vedanti Thorat							
7	Chavan Payal Kalyan							
8	Bhakti Bahubali Kinichade	bhaktibk108@gmail.com	800744750	MSc-I	Microbiology	PES's Modern college Gk.	Open	
9	Neha Namdev Botre	botreneha14@gmail.com	9403207758	MSc-I	Microbiology	PES's Modern college Gk	OBC	
10	Sanjana Machindra Rote	sanjanarote@gmail.com	9579478569	MSc-I	Microbiology	PES's Modern college Gk	Open	
11	Swapnali Shirrang Mhatre	Swapnali197@gmail.com	9028392577	M.Sc. I	Microbiology	PES's Modern college Gk	OBC	
12	Ritika Gautam Varma	ritikavarma29@gmail.com	7796553623	MSc I	Microbiology	PES's Modern college Gk	Open	
13	Sakshi Chandrakant Kadam	sakshikadam810@gmail.com	9518567215	MSc-2	Microbiology	PES's Modern college Gk	OBC	
14	Shobha Devkar							





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MODERN COLLEGE (Autonomous)
Ganeshkhind, Pune



श्रीमती सुश्री
DEPARTMENT OF
BIOTECHNOLOGY

Hands-On-Training Workshop on
Green Nanotechnology
Under DBT-BUILDER
Attendance

28th March 2024

Sr. No.	Name	Email ID	Contact No.	Class	Department	Name of the College	Category	Signature
1	Madhavi Shinde							
2	Nikita Sengar	niktasengars31@gmail.com	9730433505	MSc-I (micro)	Microbiology	Modern college tk	Open	
3	Pratiksha Prakash Keskar	keskarpratiksha@gmail.com	8698782057	MSc-Micro I	Microbiology	Modern college, tk	NTC	
4	Mohinaj Imankasim Mahedi	mmohinaj@gmail.com	7058477769	Ph.D. Zoology	Zoology	Modern college shivaji	obc	
5	Prachee Bhimraj Surwade	pracheesurwade1994@gmail.com	8329393379	Ph.D. Zoology	Zoology	Modern college shivaji	SC	
6	Neha Kshirsagar	kskshirsagameha23@gmail.com	8483828029	MSc-Biotech I	Biotechnology	Modern college, shivaji Nagar	Open	
7	Krutika Kishor Tol	krutikatol08@gmail.com	9175116623	MSc-Biotech I	Biotechnology	Modern college shivaji Nagar	Open	
8	Harshvardhan Meghawale	meghawaleharshvardhan@gmail.com	9970613048	MSc-Biotech I	Biotechnology	Modern college shivaji Nagar	NT-8	
9	Yash Sonling Mhamane	yash.sonlingmhamane@gmail.com	9021320374	MSc-Biotech I	Biotechnology	Modern college, Shivaji Nagar	OBC	
10	Akanksha Gurjar	gurjarakanksha14@gmail.com	9975770527	MSc-Biotech I	Biotechnology	Modern college, Shivaji Nagar	Open	
11	Shreya Sunil Wadkar	shreyaadkar@gmail.com	7888049411	MSc-Biotech I	Biotechnology	Modern college, Shivaji Nagar	OBC	
12	Mayuri Nagesh Patil	mayurip182002@gmail.com	7972293779	MSc-Biotech I	Biotechnology	Modern college, tk	Open	
13	Munija Mainuddin Palkar	munijapalkar26@gmail.com	7796073560	MSc-Biotech I	Biotechnology	Modern college, tk	OBC	
14	Sonali Rajendra Tayade	sonalitayade2002@gmail.com	9322480923	MSc-Micro I	Microbiology	Modern college, tk	OBC	

Principal
Modern College of Arts, Science
& Commerce, Ganeshkhind, Pune-16



National Level Hands-On-Training Workshop on
Fish Disease Detection and Diagnosis
 Under the aegis of PMMSY and DBT-BUILDER
 16th to 17th March 2023

Title	Hands-On-Training Workshop on Aquatic animal Health Management Under the aegis of PMMSY and DBT-BUILDER.
Date	12 th to 13 th April 2024
Time	10:00 am to 05:00 pm
No. of Participants	20
Co-ordinator	Dr. Vinay Kumar, Department of Biotechnology
Organizing Committee	Dr. Snehal Gagare (Faculty, Dept. of Biotechnology) Dr. Nivedita Das (Faculty, Dept. of Biotechnology) Dr. Ganesh Nawkar (Faculty, Dept. of Biotechnology) Mr. Pramod Barathe (Research Scholar, Dept. of Biotechnology)
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13/04/24	Session 7: Hands on Session on Nested PCR – by Dr.Ganesh Nawkar
13/04/24	Session 8: Talk by Dr. Cuckoo Mahapatra Scientist University of Odhisha Abiotic stress impact of heavy metals on Fishes
13/04/24	Valedictory Function Anchor- Dr.Nivedita Das Session on the feedback from the participants followed by Valedictory function at the hands Principal Dr. Sanjay Kharat

Day 1

The session was inaugurated by Chief Guest Shri Vijay Shikare– Dy. Comm. Fisheries Development State of Maharashtra who emphasized the importance of diagnosis center for fishes in Pune and also appreciated the efforts put in by Modern College of ASC , Ganeshkhind Pune. The dignitaries unveiled the protocol brochure of the workshop and session commence with enlightening lecture on Current scenario of Fisheries and Aquaculture scope and role of entrepreneurs.

Principal, Dr. Sanjay Kharat who envisioned this workshop highlighted the rationale and significance of early diagnosis and need of health management in aquaculture .Head of the Department, DBT- BUILDER Co-ordinator, Dr. Vinay Kumar concluded the inaugural session mentioning the role of skill enhancement hands on session in early careers of youth.The inaugural session was successfully compared by Dr. Snehal Gagare.The hands on training session was conducted in the CIF lab by Dr Sanjay Kharat , Dr. Snehal Gagare, and Ganesh Nawkar that included Detailed hands on session on Prawn dissection, Isolation of DNA , quantification of DNA by Nanodrop, **Hand on Session on PCR for White spot syndrome virus respectively**

Day 2

The Day 2 of workshop commenced with success stories and interaction with the entrepreneurs and Hands on Session on Nested PCR – by Dr.Ganesh Nawkar. The session continued with informative Talk by Dr. Cuckoo Mahapatra Scientist University of Odhisha on Abiotic stress impact of heavy metals on Fishes The session was concluded Valedictory session chaired by workshop. Principal, Dr. Sanjay Kharat, and Head of the Department, Dr. Vinay Kumar interacted with the participants. At the end of the session certificates were distributed to all the participants and organizing members of the workshop.The session was successfully compared by Dr. Snehal Gaagre and Dr Nivedita Das vote of thanks was proposed by Dr. Ganesh Nawkar



Inauguration of Workshop and unveiling of booklet



Invited Talks



Keynote address: Shri Vijay Shikare



Invited Talk by Shri Ketan Mane



Participants performing Biopsy of fish



Participants performing DNA isolation

Day 3: 13th April 2024



Interaction with Participants



Discussion with Aquaculturist from Tamboli fish farm



Valedictory function




Valedictory function

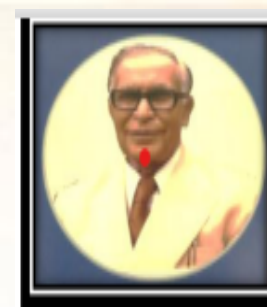
Day 1: 12th April 2024

Head of the Department

Principal


Principal
Modern College of Arts, Science
& Commerce, Ganeshkhind, Pune-16





Indian Society of Analytical Scientists (ISAS), Pune Chapter

in association with

Prof. H J Arnikaar Trust &

Department of Chemistry, P. E. Society's Modern College of Arts, Science and Commerce, Ganeshkhind, Pune



is Organizing One Day Seminar on the theme

Registration Fees

Students:Rs.150/- Others: Rs.300/-

Last date of registration: 1st October 2023

Registration Link: <https://forms.gle/QFY2sZJcTadJ5uUy6>

Contact Details: ISASPuneseminar23@gmail.com, 8956601615

Chief Guest : Dr. Dinesh Amalnerkar,

Professor Emeritus, Technology,
Department SPPU, Pune,
Former Director C-MET Pune

“FROM LAB TO LIFE: SCIENCE’S IMPACT ON SOCIETY”

Date and Time: Friday, 6th October 2023, 11.00 am to 5.00 pm

Venue: Audio Visual Hall, Modern college of ASC, Ganeshkhind

Registration fees to be paid at : Bank of Maharashtra, Pune University Campus, Ganeshkhind Road, Pune 411007

Account Name : ISAS, Pune Chapter Account type : Savings account Account Number : 60394694354 IFSC Code : MAHB0001355

All are Cordially invited

Prof S.F Patil

Chairman, Prof. H. J. Arnikaar Trust

Dr. Madhuri Kulkarni
Head, Dept. of Chemistry
Modern college of ASC
Ganeshkhind, Pune

Dr. Sanjay Kharat
Principal
Modern college of ASC,
Ganeshkhind, Pune

Dr. Nilima Rajurkar
Chairperson ISAS, Pune Chapter
Secretary, Prof. H. J. Arnikaar Trust

Dr. Avinash Kumbhar
Secretary,
ISAS, Pune Chapter

Invited Speakers



Dr. Vinay Bhandari,

Chief Scientist-G, CSIR-NCL, Pune

Title: “CSIR-NCL’s Hydrodynamic cavitation technology for water and wastewater treatment-lab to commercialization”



Dr. Sourabh Dube,

Associate. Prof., IISER, Pune

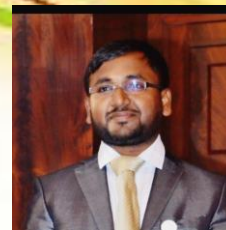
Title: “What research means to me as an adult?”



Dr. Prasad Kulkarni,

Scientist F, Agharkar Research Institute, Pune

Title: “Bench to bedside: “A Multi-disciplinary approach to tackle iron deficiency among adolescent girls”



Mr. Ashok Sudrik,

Chief Scientist, Infinite Orbit Research & Development

Title: Science and technology in the electric vehicle ecosystem



Dr. Shailesh Kantak

Associate Physician Prayag Hospital, Pune

Title: “Cardio-Pulmonary Resuscitation (CPR): Concept and demonstration”

Principal
Modern College of Arts, Science
& Commerce, Ganeshkhind, Pune-16



**Indian Society of Analytical Scientists (ISAS), Pune
Chapter**
in association with
**Prof. H J Arnikar Trust &
Department of Chemistry, P. E. Society's Modern College of Arts, Science and Commerce,
Ganeshkhind, Pune**



One-day Seminar organized by ISAS, Pune Chapter in Association with Prof. H. J. Arnikar trust and Chemistry Department, Modern College, Ganeshkhind on the theme “ From Lab to Life: Science’s impact on Society”



