



Patron

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Chancellor, VMRF- DU

Dr. Anuradha Ganesan,

Director,

VMRF- DU

Dean

Dr.Giri Rengasami, CSR,VMRF-DU

Principal

Dr. G. Selvakumar, Principal, AVIT

VICE PRINCIPALS

Dr. L.Prabhu, VP Admin

Dr. S. P. Sangeetha, VP Academics

HOD

Dr. A. Nirmala, Associate.Prof.

Faculty's

Dr.. R.Devika, Professor cum

RPMO

Dr. Nagarajan L, Associate Prof.

Ms. Sasikala A, Asst.Prof., (Gr-II)

Dr. Shanmuga Sundar S, Assy. Prof

(Gr- II)

Mrs. M. Subathra, Asst.Prof.

Full time research scholar

Mrs. A.K.Ramya

Ms. Vineta Tirkey

**DEPARTMENT OF BIOTECHNOLOGY
BIOTRACK – 2022 - 2023
AUGUST 2022- JUNE 2023**

News Letter

The Department of Biotechnology was conceptualized and started in AVIT by the year 2004 with an ambition to apply engineering knowledge and to create novel technology. The Department offers Under Graduate, Post Graduate (FT / PT) and Ph.D (FT /PT) Program. The Department has six major laboratories mainly Plant tissue culture, Microbiology, Immunology, Biochemistry, Cell and Molecular Biology which imparts training for the students to make them competent and gain thorough knowledge. The Department has extensive research facilities and infrastructure to support ongoing teaching and research initiatives in the area of, clinical biochemistry, Environmental science, Medicinal plants, Nanotechnology, Plant tissue culture etc. The Department organizes guest lectures, seminars, conferences, workshops, hands on training, industrial visits, internships, industrial credit courses to create confidence and explore the recent trends in the young minds. The Department received fund from Department of Biotechnology, Ministry of Earth Sciences. Ministry of Environment and Forests, Entrepreneurship Development Institute of India etc

Events organized by department



The one-day seminar on Bioentrepreneurship was incredibly insightful and well-organized. Dr. R. Sudhakaran's session was particularly enlightening, offering valuable perspectives on the subject. The event held at Vinayaka Mission's Research Foundation and AVIT on 4.04.2023 hosting such an informative session.



The seminar on Preclinical Drug Discovery was highly informative and well-executed. Mr. Prasanth SK's insights into drug discovery processes were invaluable. The event provided a great platform for learning and discussion. Which was held at Vinayaka Research Foundation and AVIT on 24.04.2023.



The webinar on Current Trends in Biotechnology was exceptionally informative and engaging. Dr. M. Remya and Dr. S. Velmurugan provided deep insights into the latest advancements in the field. The event was well-coordinated and offered valuable networking opportunities. Held at the Department of Biotechnology, AVIT, for organizing such a beneficial session on 28.04.2023

Events organized by department



On March 7, 2023, a group of students (Second year , Third year & Final year Biotech) from the Department of Biotechnology AVIT, Paiyanoor were scheduled for the Hands on Training - plant propagation with Plant tissue culture lecture session in SRM- Urban Farm Centre"- Faculty of Agricultural Science at SRM University in Kattankulathur. The Training was attended by a total of 44 students and 3 staff members –Dr.S.Shanumga sundar, A.Sasikala and M.Subathra. We proceeded from our AVIT campus at 9:00 am and reached the SRM University's Urban Farm Centre at 10:30 am.

INDUSTRIAL VISIT

INDUSTRIAL VISIT TO GOLDEN JUBILEE BIO PARK FOR WOMEN (07.10.2023)



The Second, Third and Final year students of Biotechnology Department were taken for the Industrial Visit to Golden Jubilee Biotech Park for Women Society, a organization is supported by Department of Biotechnology, Govt. of India, Govt. of Tamil Nadu and technical support from MSSRF, which organization encouraging and empowering "Women Entrepreneurs" for past two decades. Students Visited the BIRAC supported BIONEST - MS Swaminathan Bio-Incubation Centre for the Hi- Tech Laboratory facility available. The students interacted with the resource person to clarify about Internship, training modules available

INDUSTRIAL VISIT



The industrial visit to Eppendorf India Limited was an enriching experience. The insights into advanced biotechnological equipment and processes were invaluable. The visit provided practical exposure on 21.03.2023.

PUBLICATION OF FACULTY

Name of the faculty	Paper Title	Journal-name	Month & Year	Indexing
Parveen Abdul Rahim, Devika R	Fibrinolytic Enzyme - An Overview	Current Pharmaceutical Biotechnology	August 2022	Web of science
Subthra M	Biogas production from Food waste using nano catalysist	Journal of Nanomaterials	July 2022	Web of science
Nirmala A	Analysis of Serum and Salivary Lipid Profile in Control Subjects and Diabetic Patients—A Comparative Study	Asian Journal of Biological and Life Sciences,	September 2022	Web of science
Nirmala A	Preparation of Collagen Particles from Fish Waste Infused with Cassia Auriculata	BIOSCIENCES BIOTECHNOLOGY RESEARCH ASIA,	September 2022	Web of science
Remya AK , Devika R, Sethumadhavan	Natural bioactive product of endophytic fungi from various marine sources- A novel approach	International Journal of Scientific Research	March 2023	Non-indexed
Devika R and Remya AK	Phycobilliproteins and its economic values	Global journal for Research analysis	March 2023	Non-indexed
Remya AK, Devika R , Sethumadhavan	Biodiversity of endophytic fungi from the marine algae and its phylogenetic study	Journal of Survey in fishery science	March 2023	Non-indexed
Remya AK , Devika R, Sethumadhavan	Screening For Extracellular Enzyme Production In Endophytic Fungi Isolated From Green And Brown Algae	Eur. Chem. Bull.	March 2023	Non-indexed

RECOGNITION OF FACULTY MEMBERS

Year & Month	Name(s) of teachers who received the awards	Designation	Title of the Award (s)	Name of the agency /agencies that awarded	Purpose
2022	Devika R	Professor	Excellence in reviewing	International STD Research & Reviews	Reviewer
2022	Nirmala A	Assistant Professor(Gr-II)	Excellence in reviewing	South asian Research Journal of Natural product	Reviewer
2022-2023	Mohana Priya	Assistant Professor	India ICONIC Education award	All india book of Record, Puduchery	Education award
2022-2023	Nimala A.	Assistant Professor (Gr-II)	Reviewer	MB International Journal of Publishing house	Out standing contribution to the quality of journal
2022-2023	Nimala A.	Associate professor	Excellence in Review	Asian journal of Research in botnay	Out standing contribution to the quality of journal
2022-2023	Shanmugasundar S	Assistant Professor(Gr-II)	Reviewer	WILEY	Reviewing the scientific article
2022-2023	Shanmugasundar S	Assistant Professor(Gr-II)	reviewer for the Asian Journal of Pharmacognosy	Asian Journal of Pharmacognosy	Reviewing the scientific article
2022-2023	Shanmugasundar S	Assistant Professor(Gr-II)	Guest lecture - virtually	University of Puthisastra	Guest lecture -virtually

2022-2023	Devika R	Professor	The life time achievement award	Omm Shanthi Narayana Foundation trust	The life time achievement award for outstanding contribution In biotechnology and Environmental science
2022-2023	Devika R	Professor	Outstanding achiever award	Omm Shanthi Narayana Foundation trust	Outstanding contribution in the field of Biotechnology and Environment Science
2022-2023	Devika R	Professor	Reviewer	asian journal of Microbiology and Biotechnology	Reviewing the scientific article

NPTEL COMPLETION BY FACULTY

Name of teachers who attended Faculty Development Programmes (including online programmes)	Title of the Programme	Dates From – To)	Duration	Organized by
Devika R	NPTEL -AICTE- Environmental Biotechnology	Jul 2022-October 2022	12 Week	NPTEL -AICTE
Mohanapriya P	NPTEL -AICTE- Biomedical Nanotechnology	Jul 2022-October 2022	12 Week	NPTEL -AICTE
Nirmala A	NPTEL -AICTE- Environmental Biotechnology	Jul 2022-October 2022	12 Week	NPTEL -AICTE
Subthra M	NPTEL -AICTE- Environmental Biotechnology	Jul 2022-October 2022	12 Week	NPTEL -AICTE

FDP AND TRAINING COMPLETED by faculty

Nature Of the Program (Ex.Seminar ..)	Name of the Faculty	Date/ No. of days	Title of the Program	Organised By	International / National / State / Local Level
FDP	Shanmuga sundar	19-12-2022 to 23-12-2022	Environmental Challenges and goal on sustainable development	Sathyabama institute	National level
FDP	Subathra	28-2-2022-4-3-2023	Inculcating universal Human value in Technical Education	AICTE	National level
FDP	Mohana priya P	22 - 27 August, 2022	International Faculty Development Programme on Mathematical Modelling of Biosystems with Special Focus on Epidemiology	Mizoram University	International
Training	Devika R	19-10-202	Hands on traing on Nano technology	Department of Nanotechnology, AVIT	National level
Traning	Nirmala A	19-10-202	Hands on traing on Nano technology	Department of Nanotechnology, AVIT	Nationalleve;
FDP	Mohanapriya P	07-10-2022	Implementation of NEP-2020 for university and College teachers	IGNOU	National level

FDP AND TRAINING COMPLETED by faculty

FDP	Devika R	07-10-2022	Implementation of NEP-2020 for university and College teachers	IGNOU	National level
FDP	Nagarajan L	19-12-2022 to 23-12-2022	Environmental Challenges and goal on sustainable development	Sathyabama institute	National level
FDP	Nagarajan L	Jan to April 2023	Biomass conversion and Biorefinery	IIT	National level
FDP	Nirmala A	15-3-2023 to 15-3-2023	Tools for research paper preparation and Indexing	Scientific Research Report	National level
FDP	Mohana Priya P	20-2-2023 TO 24-2-2023	Inculcating Universal human Values In technical Education	All India Council for Technical Education	National level

STUDENT AWARD

Year & Month	Name of the Award	Name of the award/ medal	National/ Local level/ inter national	Name of the student
June 2023	Student ambassador award	Student ambassador award	Local level	Rishi kumar

NPTEL BY STUDENT

Name of the Course	Date and Duration of the event	Name of Student	Year
Genetic Engineering theory and application	July to October 2022	Rishi kumar	III year /Biotechnology
Genetic Engineering theory and application	July to October 2022	Sintu Kumar Ray	III year /Biotechnology

TRAINING COMPLETED BY STUDENT

Organizing agent	Training program	Name of the student	Duration
Intershala	Intershala	Sintu Kumar Ray	22-8-2022 to 22-9-2022
Boddhi tree foundation	Boddhi tree foundation	Rishi kumar	10 months

CONFERENCE PARTICIPATION BY STUDENT

Name of Participant	Name of the event	Date and Duration of the event	Level of the Event	Year of study
Deepavanai	Recent Innovation in Biotechnology-2022	29-09-2022	National	IV year
Chandra shekar kumar	Recent Innovation in Biotechnology-2022	29-09-2022	National	III year
Praveena	Recent Innovation in Biotechnology-2022	29-09-2022	National	III year
Suraj kumar s	Recent Innovation in Biotechnology-2022	29-09-2022	National	III year
Ratnadip saha	Biotechnology emergences in Science and Technology	December 2022	International	IV Year

CONFERENCE PARTICIPATION BY STUDENT

Name of Participant	Name of the event	Date and Duration of the event	Level of the Event	Year of study
Deenan	Recent Innovation in Biotechnology-2022	29-09-2022	National	III year
Deepak kumar	Recent Innovation in Biotechnology-2022	29-09-2022	National	III year
Guljar alam	Recent Innovation in Biotechnology-2022	29-09-2022	National	III year
Hemalatha	Recent Innovation in Biotechnology-2022	29-09-2022	National	III year
Krishna kumar	Recent Innovation in Biotechnology-2022	29-09-2022	National	III year
Machiyile pame	Recent Innovation in Biotechnology-2022	29-09-2022	National	III year
Sharmila	Recent Innovation in Biotechnology-2022	29-09-2022	National	II year
Nishal kumar dubey	Recent Innovation in Biotechnology-2022	29-09-2022	National	II year
Manshi raj	Recent Innovation in Biotechnology-2022	29-09-2022	National	II year
Kowsalya G	Recent Innovation in Biotechnology-2022	29-09-2022	National	II year
Kishore	Recent Innovation in Biotechnology-2022	29-09-2022	National	II year
Amit kumar	Recent Innovation in Biotechnology-2022	29-09-2022	National	II year
Deepavani s	Recent Innovation in Biotechnology-2022	29-09-2022	National	II year
Hritika kumari	Recent Innovation in Biotechnology-2022	29-09-2022	National	II year
Kkhot rahul nitin	Recent Innovation in Biotechnology-2022	29-09-2022	National	II year
Deepavanai	Presneted a paper : Biogas prodcuton from food watse	29-09-2022	National	IV Year
Nawazish ekwal	Recent Innovation in Biotechnology-2022	29-09-2022	National	III Year
Phoolbabu kumar	Recent Innovation in Biotechnology-2022	29-09-2022	National	III Year

Student prize winners in sports & culturals

Name of the Event	Name of the award/ medal	Select appropriate event		Name of the student
		Sports	Cultural	
Cricket	Participation	Sports		Anshu kumar
Basket ball	Participation	Sports		Ranjith
Nail art	Thrid prize		Cultural	Nawazish Ekwal
Rangoli	Thrid prize		Cultural	Hemalatha M
Rangoli	Thrid prize		Cultural	Gajalakshmi U
Glass painting	Second prize		Cultural	Sumit kumar
Dubsmash	Thrid prize		Cultural	Nawazish Ekwal

STUDENT & FACULTY ACTIVITY ZONE

கல்வி

நானே கல்வி

நானே இருளை ஒளியாய் மாற்றுவேன்

என்னை கற்பது தவம்

என்னை கற்பிப்பது வரம்

என்னை கற்பது பெருமை அல்ல

என்னை கற்றால் பெருமை உன்னை சேரும்

என்னை சுமை என்று எண்ணினால் நீ பிறருக்கு சுமையாவாய்

என்னை சுகம் என்று எண்ணினால் நீ சுமை தாங்கியாவாய்

நான் எளிதில் கிடைக்கும் சிலருக்கு என் அருமை தெரிவதில்லை

என் அருமை தெரியும் பலருக்கு நான் ஒரு எட்டாக்கனி

அறியாமை நீங்கிட ... அறிவொளி மின்னிட ... அகக்கண் உணர்ந்திட ...

அழியா செல்வம் என்னை நீ கற்றிடு

சுபத்ரா முனுசாமி

உதவி பேராசிரியர்

உயிர் தொழில்நுட்பவியல் துறை

Name of the Faculty: Mrs. M. Subathra, Assistant Professor ,
Biotechnology

SAVE ENVIRONMENT

pollution is going on
in every city ,village and town

Do not pollute ; water and air
dont throw garbage here and there

you can do something now or never
lets save our earth forever

Today our environment is facing pollution
to preserve it we need some solution

it is important for our evolution
to protect it lets start a revolution

earth comes to an end
save it my friends ,
save it my friends !

NAME :- nawazish ekwal
Department:- Biotechnology
AVIT college palyanoor kanchipuram chennai
tamilnadu



Freehand Drawing



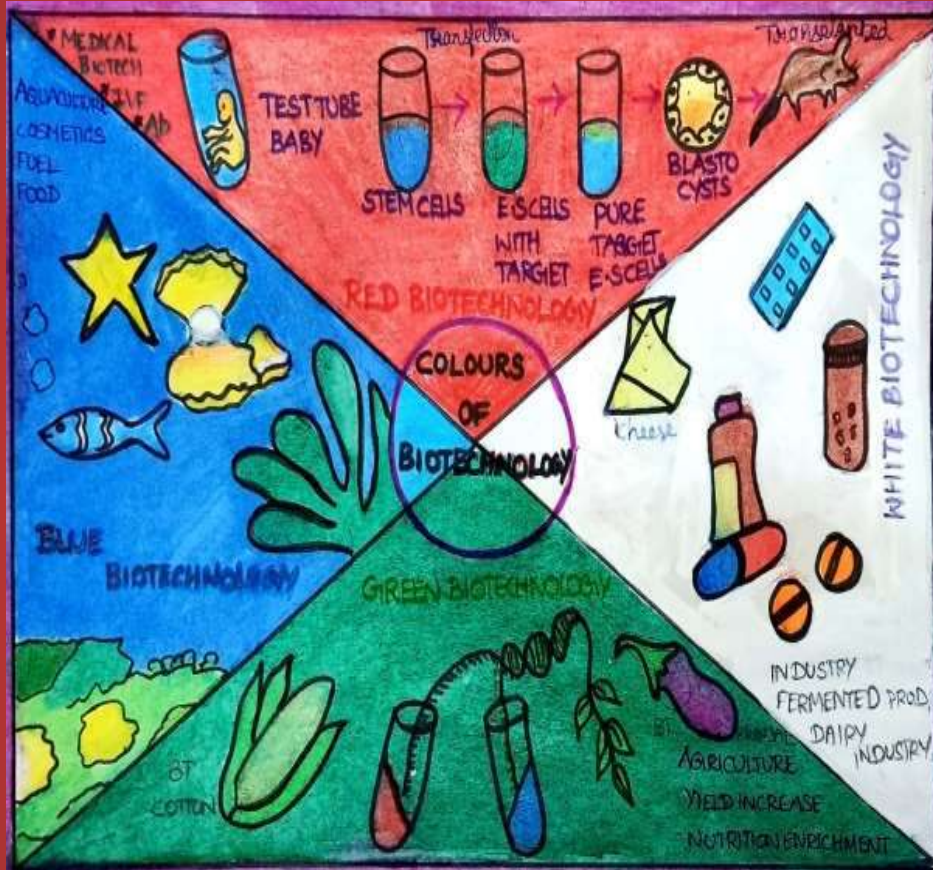
**Name of the Faculty Member(s): Dr Shanmuga Sundar S,
Assistant Professor (Gr-II)**

Freehand Drawing



**Name of the Student: Mr. Ratnadip Saha, Final Year,
Biotechnology**

Freehand Sketch



Name of the Student: Ms. Deepika S , Final Year, Biotechnology