

DBT CTEP PROGRAM:

To popularise Biotechnology activities in India, Department of Biotechnology (DBT), Government of India provides financial assistance towards organizing Conference/ Seminar/ Symposium/ Workshop and Travel support to the researchers for presenting their papers in the conferences which are being organised outside the country. It also extends support for organising DBT stalls in Exhibitions held within the country as well as outside the country. Financial supports are also provided for organizing Popular Lectures. The collective term for these four activities is CTEP (Conference, Travel, Exhibition and Popular Lectures).

<https://www.dbtctep.gov.in/>

Patron

Dr. P. Surekha, M. Sc, Ph. D

Principal,

Government Degree College (Men)-Srikakulam

Convener

Mr. Madhamanchi Pradeep

Head-Department of Biotechnology

Contact No: 8555911961

Program Coordinator

Dr. R. Haritha

Lecturer in Biotechnology,

Contact No: 9398803953

Registration Link: https://docs.google.com/forms/d/e/1FAIpQLSf1Wu6FpeFJo6PTBrm6Ry4ijw_M02DAznL40vbg7qh1AvuxYA/viewform?vc=0&c=0&w=1&flr=0

PROGRAM SCHEDULE

14-12-2021

8.30 am – 9.00 am	: Inauguration
9.00 am – 11.15 am	: Lecture by Prof. E. Vijayan, CUSAT-Cochin
11.15 am – 11.30 am	: Interactive session
11.30 am – 1.30 pm	: Lecture by Prof. P. Prakash Babu, University of Hyderabad
1.30 pm – 1.45 pm	: Interactive session
1.45 pm – 3.00 pm	: Lunch Break
3.00 pm – 5.00 pm	: Lecture by Prof. R. Raghavendra Rao, CIMAP-Bangalore
5.00 pm – 5.15 pm	: Interactive Session

15-12-2021

9.00 am – 11.15 am	: Lecture by Prof. P. Kondaiah, IISc-Bangalore
11.15 am – 11.30 am	: Interactive session
11.30 am – 1.30 pm	: Lecture by Prof. Anand K Kondapi, University of Hyderabad
1.30 pm – 1.45 pm	: Interactive session
1.45 pm follows...	: Feedback submission, Valedictory & Certificate Distribution.

Registration Link: https://docs.google.com/forms/d/e/1FAIpQLSf1Wu6FpeFJo6PTBrm6Ry4ijw_M02DAznL40vbg7qh1AvuxYA/viewform?vc=0&c=0&w=1&flr=0

No registration Fee & all the participants will get e-Certificate after submission of Feed Back Form

You are Cordially Invited



**Government Degree College (Men)
Srikakulam**

(Affiliated to Dr. B. R. Ambedkar University-Srikakulam &
Reaccredited by NAAC with B++ Grade of 2.90 CGPA)

www.gemsklm.ac.in

National Webinar on

RECENT ADVANCES IN

BIOTECHNOLOGY & ALLIED SCIENCES

Date: 14th & 15th December 2021

Platform : Go To Meet

Sponsored by

Department of Biotechnology (DBT)-New Delhi

Ministry of Science & Technology,

Government of India



Organized by

DEPARTMENT OF BIOTECHNOLOGY

Government Degree College (Men)

Srikakulam, Andhra Pradesh.

Registration Link:

https://docs.google.com/forms/d/e/1FAIpQLSf1Wu6FpeFJo6PTBrm6Ry4ijw_M02DAznL40vbg7qh1AvuxYA/viewform?vc=0&c=0&w=1&flr=0

About the Event:

The two day event comprises a series of lectures delivered by eminent scientist and academicians on Biotechnology and allied Sciences. The details of the speakers given below:

Resource Person-I



Prof. Edathil Vijayan

ICMR-Emeritus Medical Scientist,
President of Society for Biotechnologists India (SBTI)
CUSAT-Cochin
Mail ID: drvijayan@cusat.ac.in

Title of the Lecture:

DISRUPTIVE TECHNOLOGIES IN BIOTECHNOLOGY AND MOLECULAR BIOLOGY CAPABLE OF CHANGES

Date: 14th December 2021
Time: 9.00 AM – 11.15 AM

Resource Person-II



Prof. R. Raghavendra Rao, FNASc, FASc & FNA
INSA Honorary Scientist, CIMAP-Bangalore
Mail ID: raocimap@gmail.com

Title of the Lecture:

BIOLOGICAL DIVERSITY & BIOPROSPECTION: A PRIORITY AGENDA IN 21st CENTURY

Date: 14th December 2021
Time: 11.30 AM – 1.30 PM

Resource Person-III



Prof. Prakash Babu Phanithi

Department of Biotechnology & Bioinformatics
University of Hyderabad
Mail ID: Prakash@uohyd.ac.in

Title of the Lecture:

NEUROBIOLOGY & NEURODEGENERATIVE DISEASES: TREATMENT & CHALLENGES

Date: 14th December 2021
Time: 3.00 PM – 5 PM

Resource Person-IV



Prof. Paturu Kondaiah, FNASc

Molecular Reproduction Developmental Genetics (MRDG)
Indian Institute of Sciences-Bangalore
Mail ID: paturu@iisc.ac.in

Title of the Lecture:

METHODOLOGY IN MEDICAL BIOTECHNOLOGY

Date: 15th December 2021
Time: 9.00 AM – 11.15 AM

Resource Person-V



Prof. Anand K Kondapi

Department of Biotechnology & Bioinformatics
University of Hyderabad
Mail ID: akondapi@uohyd.ac.in

Title of the Lecture:

Current products for biomedical applications

Date: 15th December 2021
Time: 11.30 AM – 1.30 PM

ABOUT THE COLLEGE



The Government Degree College, Srikakulam, the first and foremost College in the district was established in 1951 vide G.O.Ms.No.1887 of the Madras Government with the introduction of Intermediate Courses in 1951 and later upgraded to Government Degree College in 1954 with the introduction of undergraduate courses. This College was affiliated to Andhra University, Visakhapatnam and recently attached to the newly formed Dr. B.R. Ambedkar University, Etcherla, Srikakulam. This was recognized by the U.G.C under 2(f) and 12(b) from 06-10-1969. The College possesses a spacious building with the Central Library being the largest among the three districts of Zone-I of A.P. In addition to the conventional courses several Restructured courses have been introduced in B.A and B.Sc. There is a great demand for subjects like Electronics, Microbiology and Bio-Technology. Students who joined these courses feel that they are really privileged and their enthusiasm and responses are well reflected in their good performance in the University examinations. CBCS pattern with 6 semesters for UG has been introduced from the academic year 2015-16 with cumulative effect by APSCHE. Various courses are introduced to suit the latest developments in the respective fields. Recently, B.Sc., Electronics B.Com., Computers in UG and M. Sc., Botany in PG were introduced in the year 2015-16 in addition to M.Sc., Chemistry, M. Com., and M.A., Telugu. Efforts are being made to improve the laboratory facilities in all the newly introduced restructured courses. Staff members are also equipping themselves for the new branches by attending Refresher Courses and the training programmes conducted by the Universities and the Academic Staff Colleges. UGC is funding some of the major and minor research projects undertaken by some of the members of the staff of our College. Many of them have attended National Seminars and presented papers. Sequences of National Seminars/workshops are being conducted with the financial assistance of funding agencies like UGC and DBT. The Department of Biotechnology alone has conducted 03 national seminars & 01 Refresher Course in the academic year 2020-21. The Institution always encourages the faculty members to take up research work. The College has 16 Ph.D. holders and 10 M.Phil holders out of 56 faculty members. Another 09 faculty members are pursuing Ph.D., under FDP/part-time programme. The College was accredited for 1st cycle with B++ (CGPA 83.05) by NAAC in February, 2005 and re-accredited for 2nd cycle in August, 2011 with B Grade (CGPA 2.87). Recently College undergone 3rd cycle accreditation on 25th & 26th September 2017 and graded with B++ (CGPA 2.90).



GOVERNMENT DEGREE COLLEGE MEN), SRIKAKULAM
EVENT ORGANIZED REPORT
(2021-2022)



Name of Department	Biotechnology
Name of Event Organized	DBT sponsored National Webinar
Title of the Event	Recent Advances in Biotechnology & Allied Sciences
Date of Event Organized	14 th & 15 th Dec, 2021
Name of the coordinator of the Event	Sri. M. Pradeep
No. of Participant (Student +Staff)	289
Name of the Expert with designation	Prof. Edathil Vijayan ICMR Prof. R. Raghavendra Rao, CIMAP-Bangalore Prof. Prakash Babu Phanithi University of Hyderabad Prof. Paturu Kondaiah, Indian Institute of Sciences-Bangalore Prof. Anand K Kondapi University of Hyderabad
Contact number & Address of the Expert	Prof. Edathil Vijayan ICMR-Emeritus Medical Scientist, President of Society for Biotechnologists India (SBTI) CUSAT-Cochin Mail ID: drvijayan@cusat.ac.in Prof. R. Raghavendra Rao, FNASc, FASc & FNA INSA Honorary Scientist, CIMAP-Bangalore Mail ID: raocimap@gmail.com Prof. Prakash Babu Phanithi Department of Biotechnology & Bioinformatics University of Hyderabad

	<p>Mail ID: Prakash@uohyd.ac.in</p> <p>Prof. Paturu Kondaiah, FNASc Molecular Reproduction Developmental Genetics (MRDG) Indian Institute of Sciences-Bangalore Mail ID: paturu@iisc.ac.in</p> <p>Prof. Anand K Kondapi Department of Biotechnology & Bioinformatics University of Hyderabad Mail ID: akondapi@uohyd.ac.in</p>
<p>Objective of the Event</p>	<ul style="list-style-type: none"> • To popularise Biotechnology activities in India, Department of Biotechnology (DBT), Government of India provides financial assistance towards organizing Conference/ Seminar/ Symposium/ Workshop and Travel support to the researchers for presenting their papers in the conferences which are being organised outside the country. It also extends support for organising DBT stalls in Exhibitions held within the country as well as outside the country. Financial supports are also provided for organizing Popular Lectures. The collective term for these four activities is CTEP (Conference, Travel, Exhibition and Popular Lectures). • To provide common platform to researchers and academicians, research scholars and students from various reputed institutes, universities and colleges to discuss upcoming technologies and their applications in Biotechnology and Allied sciences.
 Event Coordinator	 Principal PRINCIPAL Govt. Degree College (Men) SRIKAKULAM

Report

Department of Biotechnology (DBT)-New Delhi Sponsored

NATIONAL WEBINAR ON

RECENT ADVANCES IN BIOTECHNOLOGY & ALLIED SCIENCES

14th – 15th December 2021

DBT CTEP Proposal No: DBT/CTEP/01/20210551859

Organized by

The total registered participants for the event is 289 from colleges and universities across the nation (Screen sort attached). Most of the participants are UG Students, Research Scholars and UG Faculty.

The seminar starts on 14-12-2021 by 9.00 am with a brief inauguration followed by a lecture (02 h Duration) of Prof. Edathil Vijayan, FNASc, ICMR Emeritus Scientist & Chairman of Society for Biotechnologists in India (SBTI). His talk is on “DISRUPTIVE TECHNOLOGIES IN BIOTECHNOLOGY AND MOLECULAR BIOLOGY CAPABLE OF CHANGES”. He described various recent technologies that can change the world economy and current practices like water harvesting vessels, fuel producing leaves etc.

The second talk start by 11.30am on 14-12-2021 with Prof. R. Raghavendra Rao and title of his talk is on “Biodiversity and Bioprospection – A priority agenda in 21st century. In this he described about: What is Biodiversity? Biodiversity hot spots in India, Plant Biodiversity in India, Medicinal plants databases need, Bioprospection etc.

In afternoon session from 3.00 pm to 5.00 pm on 14-12-2021, Prof. P. Prakash Babu from University of Hyderabad delivered a talk on “NEUROBIOLOGY & NEURO DEGENERATIVE DISEASES: TREATMENT & CHALLENGES”. In that he described about brain, its structure, functions, its various disorders and treatment strategies.

In the next day i.e. on 15-12-2021 by 9.00 am Prof. P. Kondaiah from IISC-Bangalore delivered a

talk on “METHODOLOGY IN MEDICAL BIOTECHNOLOGY”. In that he described about basics of Biotechnology, various technologies used in medical biotechnology.

In the next session of in 15-12-2021 by 11.30 am Prof. Anand K Kondapi from University of Hyderabad delivered a talk on “Current products for biomedical applications”. In that he described about basics of Biomedical Technology and vaccine production strategies.

By 2.00 pm on 15-12-2021, a valedictory session started and our Hon’ble Principal Dr. P. Surekha graced this and addresses the students. Feedback form circulated and distributed the certificates online.



GOVERNMENT DEGREE COLLEGE MEN), SRIKAKULAM **EVENT PHOTO GALLERY** **(2021-2022)**

7:43 docs.google.com/forms/d/1Z...

Untitled form

Questions Responses 289 Settings

DBT-New Delhi Sponsored National Webinar on "RECENT ADVANCES IN BIOTECHNOLOGY & ALLIED SCIENCES" Dates: 14th & 15th December 2021

Organized by Department of Biotechnology, Government Degree College (Men)-Srikakulam, Andhra Pradesh-532001

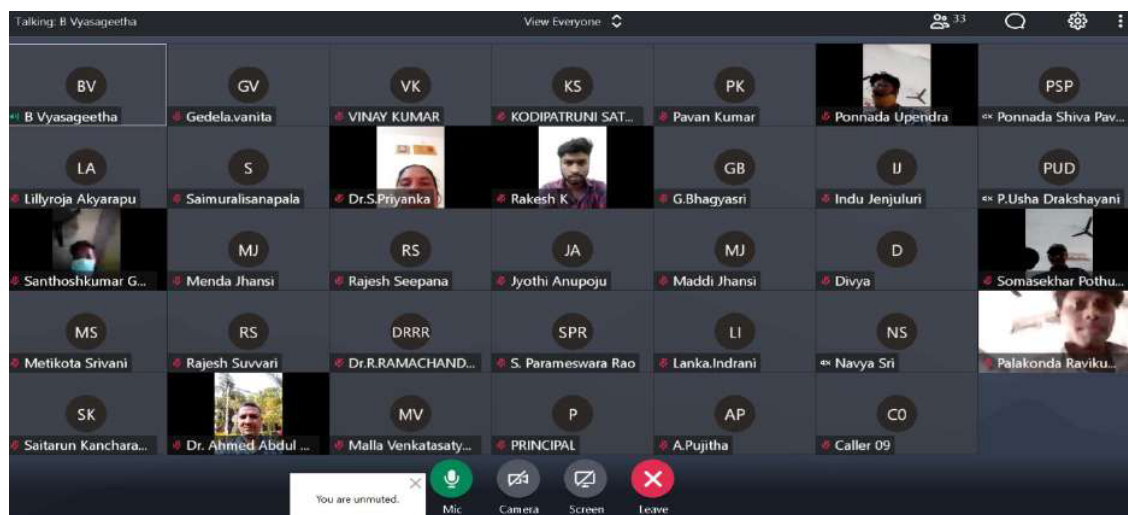
Contact Persons: Convener: M. Pradeep (8555911961); Coordinator: Dr. R. Haritha: 7702203953

Email ★

Valid email address

This form is collecting email addresses. [Change settings](#)

Screen sort of Registration form



Screen sort of Valedictory Session

Talking: Prof. Prakash Babu View Everyone 40

Prof. Prakash Babu is presenting

M Unmute yourself Screen Leave

Talking: Prof. Prakash Babu View Everyone 45

Chat

Me to Everyone 14:34

Prof. Prakash Babu (web, presenter)

Rajesh Seepana

Rajesh Suvvari

Rakesh K.

S.Rudrama

Saitarun Kancharana

Santhoshkumar Gedela

Siva Prasad Katuru

Somasekhar Pothuraju

SUJATA SHARMA

V.Usha Padmini

VINAY KUMAR

Vootha Lade

Everyone

Dr.S.Priyanka

G.Bhagyasri

Ganagalla Srikanth

Gedela Vanita

Indu Jenjukur

Jyothi Anupaju

Lanka Indrani

Maddi Jhansi

Madhav

Menda Jhansi

Metikota Srivani

Navya Sri Boddepalli

Pavan Kumar

Ponnada Upendra

Praveen Krishna

Presenter Only

A.Pujitha

Anitha Dunga

Asanala Manohar

Bhagya Lakshmi JALUMRU

Ch.Ramakrishna

Devaraj Muliki

Dhillewari

Divya

Dr.K.Vasudha

Dr.P.Mary Anupama

Dr.Ahmed Abdul Haleem Khan

Dr.R.RAMACHANDRA RAO

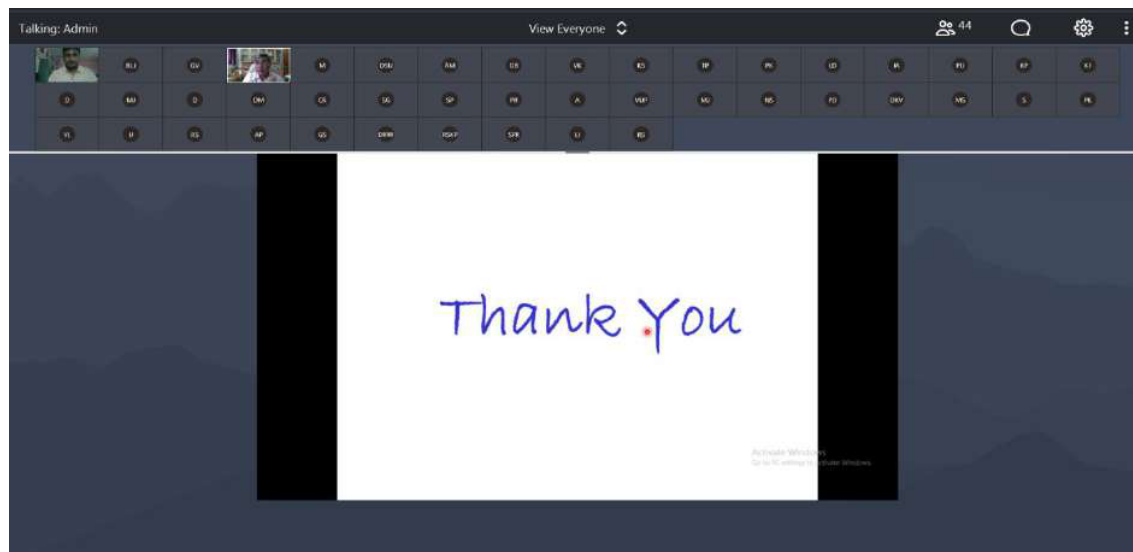
Dr.S.Pratima Kumari

Corpus Callosum

Prof. Prakash Babu is presenting

Mic

Screen sort of Prof. P. Prakash Babu Talk on 14-12-2021



Screen sort of Prof. P. Kondaiah Talk on 15-12-2021

Talking: View Everyone 47

Current products for biomedical applications

Anand K. Kondapi
University of Hyderabad

Anand Kondapi is presenting

Mute yourself Stop Screen Leave

Talking: Anand Kondapi View Everyone 46

Codon optimized	Protein sequence
Remove codon bias	Number of low complexity regions
Discontinuous codons	Contiguous hydrophobic residues
AGG	Disulfide bonds
AGA	
CUA	
AluA	
GGA	
CCC	
Optimising gene-based factors considering available structural and functional data	Optimized factors towards enhanced expression of IFNs using recombinant expression of IFNs using recombinant <i>E. coli</i> , <i>E. coli</i>

Vaccines 2021, 9, 328. <https://doi.org/10.3390/vaccines9040328>

Anand Kondapi is presenting

Mic Camera Screen Leave

Screen sort of Prof. Anand K Kondapi Talk on 15-12-2021