



Loyola Academy (Autonomous), Secunderabad

Affiliated to Osmania University, established in 1978 Autonomous College (1992 UG & 2010 PG)
College with Potential for Excellence (2006) NAAC Accredited with 'A' grade in the 3rd Cycle
(2019) NIRF 2021: College (Rank-band: 151-200)

MSc. Biotechnology department activities report 2020-21

S. No	Date	name of the activity	Offline/online	Participants
1.	02/06/2020 -03/06/2020	Brainstorm national level e-quiz competition	Online	419
2.	8/6/2020-9/06/2020	National level webinar	Online	105
3.	-	Student activities (nptel)	Online	4
4.	-	Student achievements	Online	
5.	27/11/2022-28/11/2022	Faculty achievements (paper presentation)		
6.	24-4-2021	Paper presentation at international conference		
7.	June 2020 to March 2021	Staff achievements		
8.		Workshops attended & seminars attended		

9		Faculty achievements: v.v.s. chalapathi rao		
10		Research & publications		

1. Title: brainstorm @biotechnology national level e-quiz competition

Report

Date: 02/06/2020 -03/06/2020.

Objective: to test the knowledge in biotechnology among graduate & p.g. students, Ph.D. Scholars

Link: - <https://forms.gle/b8fz4vn1nwzjwu5x6>

Mode of event conducted: by online mode using google form.

participants: the total participated candidates were 419 all over india. Mostly the participants are from southern states andhra pradesh, telangana, karnataka, tamil nadu

About quiz: 20 questions were framed covering all allied subjects of biotechnology & life sciences.

Time limit: 30 minutes

Out of 20 questions minimum 10 questions must be correct for a candidate to get certificate (50% score is made mandatory)

Number of candidates qualified: 354 were qualified. The qualified candidates were provided with e-certificate as token of appreciation. The event became successful with good response as many students from chennai and bangalore, pune, have participated.

Chief patrons of the event were: -

Rev.Fr.Dr.P. Anthony sj (principal, la)

Rev.Fr.Dr.L. Joji reddy sj (vice principal, la)

Organizing staff: -

V.V.S. Chalapathi Rao (HOD dept of biotechnology)

Dr.Ch. Sirisha,

D. Gurudevi,

S. Dhavala.

Organizing students: -

G.v. shriya reddy

K. Revathi

The two-day national level quiz program was successful without any technical problem and the certificates were also sent to the candidates without any delay on 4th of june 2020.

Feedback: participants feedback for this quiz program ranging from good to very good.



Loyola Academy
(Autonomous and Affiliated to Osmania University)
(A College with Potential for Excellence by UGC)
(Reaccredited by NAAC with "A" grade (III cycle))

National Level BRAINSTORM @ BIOTECHNOLOGY e-Quiz

Organised by the Department of **M.Sc.BIOTECHNOLOGY**
Direct Application is available from **1st to 2nd June 2020**
E-Certificate will be provided to participants scoring minimum 50% & Above. Eligibility of participants :
Only U.G. & P.G. Life Science Students.

Organising Staff - V.V.S.Chalapathi Rao : 7893135832 Dr. Ch.Sirisha : 9441420977 Mrs. D.Gurudevi : 9849693056 Ms. S.Dhavala : 9551253429	Cheif Patrons Rev.Fr.Dr.P. Anthony SJ Principal, LA Rev.Fr.Dr.L. Joji Reddy SJ Vice Principal, LA
Organising Students - G.V.Shriya Reddy :7674052941 K. Revathi : 7981481030	

Department of biotechnology (pg) loyola academy degree and pg college, has conducted a national level e-quiz program

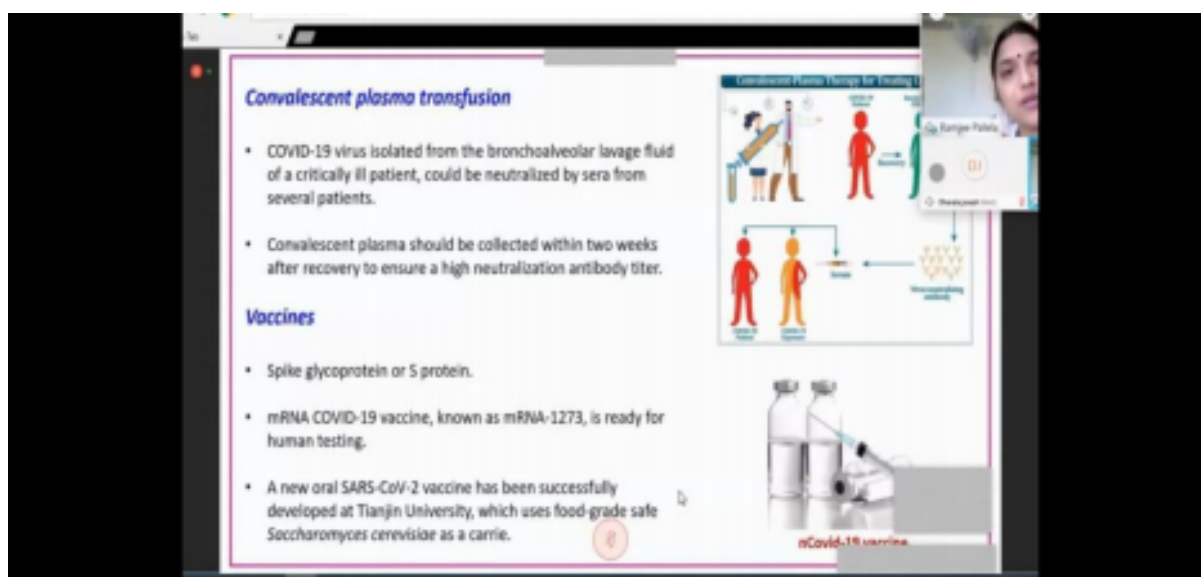
2.National level webinar: 2020-21

Title: A two-day webinar on “Theranostics, therapeutics, and vaccine research on covid-19, prospects and challenges”

Date: June 8th &9th 2020

The department of biotechnology (pg), loyola academy degree and pg college, secunderabad, conducted a two-day webinar on 8th and 9th june, 2020 entitled as ““theranostics, therapeutics and vaccine research on covid-19, prospects and challenges”. This webinar was conducted to enlighten the students about the pandemic and the current state of art methodologies that are used to diagnose the virus and the treatments used. The webinar was conducted in 4 sessions 2 sessions each day each session conducted by resource scientists from different prestigious institutions.

On day one that is 8th june, the first session was conducted by dr. Irabhatnagar, senior scientist biomedicine and biotechnology research area, centre for cellular and molecular biology on the topic theranostics of covid-19. The session started off by the explanation of the origin of corona virus its basic structure and its statistics, different routes the disease spreads and its symptoms. Dr. Irabhatnagar mam also spoke about the different diagnostic techniques used such as nucleic acid amplification test (naat), serological testing, viral sequencing, viral culture their advantages and disadvantages and also immunoassay like antibody test and antigen tests. Mam also spoke about first covid-19 testing kit made in india by my lab life solutions and other innovative methods used in testing covid-19 and also the different strategies in vaccines and therapies.



Webinar on theranostics, therapeutics and vaccine research on covid-19, prospects and challenges

The second session was conducted by dr. Chattopadhyay, director of national institute of traditional medicine, belagavi on the topic covid-19 fight between modern science and primitive creature. Dr. Chattopadhyay sir started the session with basics, explanation of virus its definition, characters, the evolutionary changes that took place in virus and what were the consequences of these changes and its relative impact on humans. Then sir spoke about the covid family history, the corona virus its structure, transmission characters and the route of entry into humans, symptoms, stages of infection. Then sir elucidated the research and development in about shell as test, treat and prevent. He explained that the viral infection can be controlled by public health measures vaccination and drug development and also the treatment methods by antiviral drugs and other potential drugs.

3.Student activities

Students academic participations& programs (2020-2021) (2019-2021)



NPTEL CERTIFICATIONS

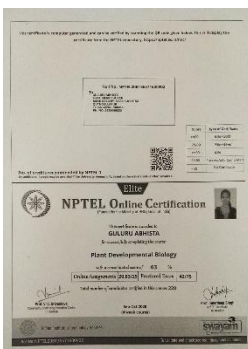




Uid no.	Name of the student	Title of the course	Nptel / swayam	Details of results
111719516001	Dudala prashant goud	=	=	=
111719516002	Sajjapur vijayasree	Bioreactors	Nptel	Qualified with 46%

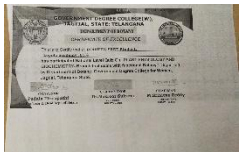
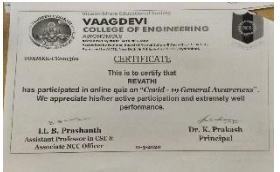
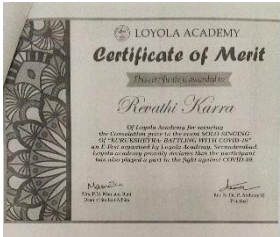

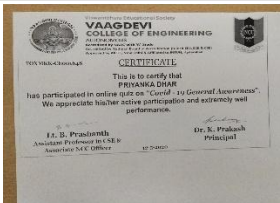
111719516003	Nallamalla priyanka	Bioreactors	Nptel	Qualified with 47%
111719516004	Samyukta sinha	-	-	-
111719516005	N sai praneetha	1. Innovation business model and entrepreneurship 2. Demystifying the brain	Nptel	Qualified with 69% Qualified with 46%
111719516006	Yelagandula nikhitha	-	-	-
111719516007	Gadiparthi hemavarshini	Biomedical nanotechnology	Nptel	Qualified with 77%
111719516008	Jangili kiran mai	-	-	-
111719516009	Suthoju harshita	1. Experimental biotechnology 2. Human molecular genetics	Nptel	Qualified with 49% Qualified with 60%
111719516010	Guluru abhista	Plant developmental biology	Nptel	Qualified with 63%
111719516011	Yellampalli kadambi vansana	-	-	-
111719516012	Nadigapu prathibha	Organic farming for sustainable agricultural production	Nptel	Qualified with 61%
111719516013	Thakkalapelli vikas	-	-	-
111719516014	Samala prathyusha	Organic farming for sustainable agricultural production	Nptel	Qualified with 49%
111719516015	G rajeshwari	Organic farming for sustainable	Nptel	Qualified with 50%

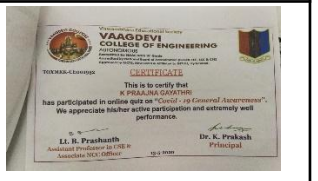
		agricultural production		
111719516016	Ashinaveni niharika	Biomedical nanotechnology	Nptel	Qualified with 55%
111719516017	Gundarapu mahesh	-	-	-
111719516018	Reballi amulya	-	-	-
111719516019	Dara sai ravindranath	Bioreactors	Nptel	Qualified with 48%
111719516020	Budde sruthi raj	Biomedical nanotechnology	Nptel	Qualified with 52%
111719516023	Reshapelli soumya	-	-	-
111719516024	Eerla sai shanker	-	-	-
111719516025	Pusa rohitha sree	-	-	-
111719516026	Thamanampalli manasa	Biomedical nanotechnology	Nptel	Qualified with 57%
111719516027	Kaka krishnaveni	-	-	-
111719516028	Parasa anne madhulika	-	-	-
111719516029	Karra revathi	-	-	-
111719516030	Ronatala vyshnavi	1.plant developmental biology 2. Cell culture technologies	Nptel	Qualified with 55% Qualified with 49%
111719516031	Gudla venkata shriya reddy	-	-	-
111719516032	Priyanka dhar	-	-	-
111719516033	Pravallika	-	-	-
111719516034	Rahul	-	-	-
111719516035	Firoz alam	Biomedical nanotechnology	Nptel	Qualified with 49%
111719516036	K. Praajna gayathri	Biomedical nanotechnology	Nptel	Qualified with 58%
111719516037	T. Sirichandana	-	-	-

4. Students achievements
MSc. Biotechnology (2020-2021)

S. no	Uid	Student name	Achievements/events	Proof
1.	111719516005	N sai praneetha	<p>1. Nptel elite- innovation business model and entrepreneurship- 69%</p> <p>2. Event- equiz on world environmental day with 80%</p> <p>3.intercollege quiz</p>	 
2.	111719516007	Gadiparthi hemavarshini	Nptel elite- biomedical nanotechnology-77%	

3.	111719516010	Guluru abhista	<p>1.nptel elite –plant developmental biology -63%</p> <p>2.certificate of excellence for involving in green revolution</p> <p>3.certificate program by international centre for culture and education(icce) – a grade</p> <p>4. Intercollege quiz chennai – 73%</p> <p>5.equiz on world environmental day</p>	  
5.	111719516015	G rajeshwari	<p>1.national level online quiz on industrial hydraulics and pneumatics-70%</p> <p>2.csir summer training research program – grade “s”</p>	 

6	111719516025	Pusa rohitha sree	1. National level quiz, certificate of excellence -65%	
7.	111719516029	Karra revathi	1.e fest on kurukshetra- battling with covid 2.consolation prize for solo singing 3. Online quiz of covid 19 general awareness	 
8.	111719516030	Ronatala vyshnavi	1.online quiz of covid 19 general awareness	
9.	111719516032	Priyanka dhar	1.csir summer training research program – grade “S” 2.online quiz of covid 19 general awareness	

				
10.	111719516033	Pravallika	1.completed the online certificate course on soft skills host in pioneer kumara swamy college, tamil nadu	
11.	111719516035	Firoz alam	1.certificate issued by raj bhavan, telangana 2.online quiz of covid 19 general awareness 3.passed the national level e quiz competition	 
12.	111719516036	K. Praajna gayathri	Online quiz of covid 19 general awareness	

5.Faculty achievements: paper presentation

D.Gurudevi

Name of the conference/seminar	Title of the paper	National/ International	Organizing college	Month/ Year
Current science and technology for sustainable society”	Antioxidant assay in zingiber officinale l. And scavenging activity in cancer cell lines	International	Department of botany, av kanthamma college for women, hassan, karnataka, department of biochemistry, aurora’s degree & pg college, hyderabad and internal quality assurance cell.	27th & 28th Nov-20

6. Paper presentation at international conference:

1. Nmbt students with the support and guidance of dr. Sirisha presented a research paper titled chali hava mastani by firoz alam, dr. Seshabala and dr.ch. Sirisha
2. Students vandana, pratyusha s.dr. Seshabala and dr. Sirisha presented a research paper and received 2nd prize for presentation at international conference 2nd pure earth environment conference 2021. organised by pure earth foundation, jntu, gov of telangana.



ents at international conference

nmbt students at international

7. Staff achievements

Ch. Sirisha

S. No	Date	Name of the fdp/ webinar /papers attended
1	7th, june 2020	Dr. Ch. Sirisha has participated “faculty development programme, webinar on “reverse genetics in genomic era” organised by dr. Konda aravind kumar, scientist, department of biotechnology icar-indian institute of pulses research, kanpur.
2	24th april 2021	Dr. Ch. Sirisha has guided students to present two papers on proceedings of 2nd pure earth environment conference 2021, organised by pure earth foundation in association with: centre for innovation in public systems, e- support solutions private limited, tribal welfare department, government of telangana, galaxy technocom, asset telematics private limited, dharani engineers & contractors, centre for environment and development.
3	26th april to 2nd may 2021 (7 days)	Dr. Ch. Sirisha has participated one week faculty development programme, webinar on “ict tools for effective teaching-learning” organised by dept. Of commerce, telangana university, nizamabad
4	13th may 2021	Dr. Ch. Sirisha has participated webinar on “covid-19, double mutant prevention and vaccination awareness” organised by faba academy and in collaboration with ab consultants.
5	18th may 2021	Dr. Ch. Sirisha has participated webinar on “mushroom farming: an aid to farm economics” by centre for agriculture production (cap) organised by centurion university of technology and management (cutm) in collaboration apicol, odisha
6	27th to 31st may 2021 (5 days)	Dr. Ch. Sirisha has participated online faculty development programme on “insilico drug development” organised by dept. Of biotechnology, genetics & chemistry, loyola academy degree & pg college, secunderabad

D.Gurudevi

S. No	Name of the fdp	Organising college	Month/year
1	Insilico drug development	Loyola academy	May-21
2	Academic writing & research ethics	Janatha college & don bosco college central library, itanagar	Jun-20
3	Advanced research methodology & innovative teaching pedagogy	Tulsiramji gaikwad-patil college of engineering and technology, nagpur.	Jun-20
4	Creation of webinars during covid-19 pandemic	Little flower degree college, hyderabad	Apr-20

8.Workshops attended-2020-2021

S. No	Name of the workshop	Organising college	Month/year
1.	Techniques in molecular biology-a virtual laboratory insight	University college for women	Aug-20
2.	Molecular communication for wireless body area networks	Aurora's degree & pg college	1-jun-20

Conferences/seminars attended 2020-2021

S. No	Name of the conference/seminar	National /international	Organising college	Month/year
1	Molecular mechanism involved in t- cell signalling	International	Srimathi devkunvar nanalal bhatt	Jul-20

			vaishnav college for women, chennai.	
2	Current science and technology for sustainable society”	International	Department of botany, av kanthamma college for women, hassan, karnataka, department of biochemistry, aurora’s degree & pg college, hyderabad and internal quality assurance cell.	Nov-20
3	Novel biotechnological approaches to combat emerging diseases with special focus on sars associated coronavirus therapeutics	International	Presidency college, tamil nadu	Jun-20
4	Nano materials & detection techniques of covid-19	International	Babu shivanath agrawal p.g college, mathura	Jun-20
5	Molecular communication for wireless body area networks	International	Aurora's degree & pg college	Jun-20
6	Globalisation lockdown -a boon for environment protection	National	Sarojini naidu vanitha maha vidyalaya, hyderabad	Jun-20
7	Impact of covid-19 on environment	National	Gayatri vidya parishad college, vishakhapatnam	Jun-20

8	Drug repurposing & novel therapies against sars-cov-2	National	Telangana social welfare residential degree college for women	Jun-20
9	Funding projects, consultancies & book writing	National	Vimal jyothi engineering college, kannur	Jul-20
10	Recent biotechnological tools for crop improvement	National	Acharya n.g ranga agricultural university, guntur	Jun-20
11	Feature extraction techniques in medical imaging	National	Cmr engineering college, hyderabad	Jul-20
12	Post covid19: sustainable environmental management	National	Govt. City college, hyderabad	Jul-20
13	Covid19: a view on vaccine production	National	Gitam university, bengaluru	Jun-20
14	Interpersonal skills	National	Little flower degree college, hyderabad	Jun-20
15	Research & publication	National	Sarojini naidu vanitha maha vidyalaya, hyderabad	Jun-20
16	How to improve teaching skills	National	Mlr institute of technology	Jun-20
17	Computational drug discovery on viruses	National	Aurora's degree & pg college, hyderabad	Jun-20

18	New dimensions of biology	National	Aurora's degree & pg college, hyderabad	Jun-20
19	Technologies to fight corona virus: issues & opportunities	National	Aurora's degree & pg college, hyderabad	Jun-20
20	How to build strong immunity through doiet & lifestyle	National	Aurora's degree & pg college, hyderabad	Jun-20
21	Role of science & technology in mitigating covid-19	National	Little flower degree college, hyderabad	Jun-20

2019-2020

Webinars attended

1.	Coagulopathy in covid-19: is thrombosis the real culprit	National	Aurora's degree & pg college, hyderabad	May-20
2.	Molecular diagnostics in modern medicine	National	Bhavans vivekananda college	May-20
3.	Overview & current trends of pharmaceutical industry	National	Govt. City college, hyderabad	May-20
4.	Research capability building	National	Bhavans vivekananda college	May-20
5.	Glycoproteins-their role in cellular physiology & biochemistry	National	Bhavans vivekananda college	May-20
6.	Challenges in research: publications & ethics	National	Audishankara group of institutions, nellore	May-20

Fdp/national /international workshops conferences attended by faculty:**V.V.S. Chalapathi rao**

SN	National/ Internatio nal	Fdp/seminar/ Workshop/quiz	No. Of days	Date	Name of the institution	Participation Completion
1.	Internatio nal	Online research methodology workshop	3	12-04-20 20 to 14-04-20 20	Rest society for research international	Completed
2.	National	Online g.k. quiz	1	2020 may	Laxman devram sonawane college	Completed
3.	National	WEBINAR ON BIOTECHNOLOGICA L AND NANOTECHNOLOGI CAL APPLICATION FOR MARINE BIORESOURCES AUGMENTATION	6	04-05-20 20 to 09-05-20 20	Sathyabama institute of science and technology	Participated
4.	National	Fdp on emerging and non-emerging infectious	1	06-05-20 20	Little flower degree college-hyde rabad	Participated
5.	Inernation al	Fdp on human well-being	1	07-05-20 20	Little flower degree college-hyde rabad	Participated

6.	National	WEBINAR ON GLYCOPROTEINS ROLE IN CELLULAR PHYSIOLOGY & BIOCHEMISTRY	1	09-05-2020	Bhavans vivekananda college	Participated
7.	International	WEBINAR ON "RESPONDING TO CHANGE IN BUSINESSES- THE COVID-19 EFFECT"	1	11-05-2020	Loyola academy	Participated
8.	National	Online quiz on "covid-19 general awareness"	1	11-05-2020	Vaagdevi college of engineering	Participated
9.	National	Fdp on role of teachers in quality enhancement & accreditation	8	11-05-2020 to 18-05-2020	Kristu jayanti college	Participated
10	National	Webinar on "over coming covid-19"	1	13-05-2020	Bhavans vivekananda college	Participated
11	National	Fdp	2	13-05-2020 to 14-05-2020	North storm academy	Participated
12	National	Webiner on chemistry against covid-19	1	14-05-2020	Little flower degree	Participated

					college-hyde rabad	
13	National	Webinar on tips on how to select a conference to publish your research work	1	16-05-2020	Aissms and isb&m colleges	Participated
14	National	Webinar on importance of biodiversity	1	16-05-2020	Aurora college	Participated
15	National	Webinar on signalling networks in cancer	1	18-05-2020	Little flower degree college-hyde rabad	Participated
16	National	Webinar on covid-19 lockdown a challenge or opportunity	1	18-05-2020	Smt radhabai sarda arts& science college	Participated
17	National	Fdp on outcome based education	1	18-05-2020	Inpods ed-tech	Participated
18	National	Webinar on online software tools for remote teaching	1	18-05-2020	Aurora college	Participated
19	National	Fdp on managing online classes and co-creating moocs: 2.0	14	18/5/2020-3/6/2020	Ramanujan college	Completed

20	National	Webinar on challenges and opportunities in research	4	19-05-2020 to 22-05-2020	Shri guru ram rai university	Participated
21	International	Workshop on research methodology	7	19-05-2020 to 25-05-2020	University of mumbai	Completed
22	National	WEBINAR ON MOLECULAR DIAGNOSTICS IN DETECTION OF ANIMAL DISEASE CAUSING PATHOGENS	1	25-05-2020	St. Francis college for women	Participated
23	National	Webinar on proteomics biological applications	1	27-05-2020	Loyola academy	Participated
24	International	Webinar on covid pandemic, media and social distancing	1	27-05-2020	Auxilium college	Participated
25	National	Fdp on "cbp for teachers during & post covid-19	2	28-05-2020 to 29-05-2020	Godavari institute of engineering and technology	Participated
26	National	Webinar on reorienting academic leadership	1	30-05-2020	Tezpur university	Participated

27	National	Fdp on ict based tools and applications	7	27-05-2020 to 02-06-2020	Bsvs ed. Learning center	Participated
28	National	Fdp on managing online classes	14	18-05-2020 to 03-06-2020	University of delhi	Participated
29	National	Quiz on outcome based education and accreditation	1	1/6/2020	Shri sant gajanan maharaj college of engineering	Completed
30	National	Seminar on world environmental day	4	2/6/2020 -5/6/2020	Institute for ocean management	Participated
31	National	Fdp on e-learning	6	8/6/2020 -13/6/2020	Aravali college	Completed
32	National	Fdp on advanced research methodology and innovative teaching pedagogy	6	8/6/2020 -13/6/2020	Tulsiramji gaikwad patil college	Participated
33	International	Webinar on 'how to get research grants from ugc, aicte'	1	9/6/2020	Mbits & mahatma gandhi university	Participated
34	National	Webinar on biotechnological and immunological perspectives of pandemic disease	2	9/6/2020 -10/6/2020	Aditanar college	Participated

35	National	Webinar on 'how to build strong immunity through diet and lifestyle'	1	12/6/2020	Aurora's degree & pg college	Participated
36	National	Webinar on research methodology	2	12/6/2020-30/6/2020	Loyola college, Chennai	Participated
37	National	Fdp on leveraging the secret of quality research	3	12/6/2020-14/6/2020	Chrd	Participated
38	National	Fdp on methodology and data interpretation of analytical instrumentation techniques	5	15/6/2020-19/6/2020	Satyabhama institute	Participated
39	International	Fdp on recent trends in science and technology	6	15/6/2020-20/6/2020	Suresh gyan vihar university	Participated
40	International	Fdp on academic writing and opportunity for the publication	1	17/6/2020	Sns institutions	Participated
41	National	Fdp on skill development and competency enhancement for college teachers	2 weeks	17/6/2020-30/6/2020	Govt. Degree college, warangal	Participated
42	National	Webinar on quality research and its output	1	19/6/2020	Jain university	Participated
43	National	Webinar on impact of Covid-19 pandemic on environment and future prospects	1	21/6/2020	Nrec college	Participated

44	international	Webinar on covid-19 a pandemic on corona virus progress in therapeutic and vaccine development	1	22/6/2020	St. Pious college	Participated
45	International	Fdp on educational strategies for universal learners	3	22/6/2020-24/6/2020	Vels	Completed
46	National	Webinar on interpersonal skills	1	26/6/2020	Little flower college	Participated
47	National	Webinar on phytotherapeutics - immuno boosters to combat bacterial and viral diseases	1	29/6/2020	Ams college	Participated
48	International	Webinar on how to become effective statisticians	1	29/6/2020	Kasturba gandhi college	Participated
49	National	Workshop on google apps for education and moodle	2	2/7/2020-3/7/2020	Rajaram college	Participated
50	National	Webinar on moodle: online teaching management tool	1	6/7/2020	Bam university	Participated
51	National	Webinar on digital transformational: e-classrooms and lms	1	7/7/2020	Sshn college	Participated
52	National	Webinar on digital content creation for social media	6	6/7/2020-11/7/2020	Hsnc university	Participated
53	International	Webinar on covid-19 and beyond future prospects in biotechnology	2	8/7/2020-9/7/2020	Jacob institute	Participated

54	National	Ttp on application of ict tools for enhancement of e learning pedagogy in schools	7	8/7/2020 -14/7/2020	Integral university	Participated
55	National	Training program on ict – enabled pedagogy for teachers professional development	10	1/8/2020 -10/8/2020	Tara govt. College	Participated
56	National	Workshop on use and integration of technology implementation of the vision of nep -2020	5	9/8/2020 -13/8/2020	Ciet-ncert	Participated
57	International	Webinar on sustainable development goals - 2030	1	29/8/2020	St. Josephs college	Participated

9.Faculty achievements

V.V.S. Chalapathi rao

digital content resource person for diksha, vidyadaan program (ministry of education, govt of india)



VidyaDaan
SHARE FOR YOUR CARE

A program of the nation, for the nation and by the nation to ensure continuity of quality learning



During the year june, 2020 selected and approved as digital content resource person for diksha (digital infrastructure for school education), an initiative of

the national council of educational research and training (ministry of education, govt of india) for e -content contribution to vidyadaan 2.0., diksha portal:

As individual e content contributor uploaded e content material for energised textbooks (both ncert, state curriculum) comprising of:

Videos, teaching resource materials, explanatory notes, lesson plans, pedagogy flow

Teaching methods, curiosity question set, teaching methods

subjects: science, biological science, environmental science,

Human ecology & family sciences (class 6th to 12th class) of both cbse, ncert, state boards of jammu &kashmir, delhi, maharashtra

Telangana, andhra pradesh, kerala, karnataka.

During 2020-21 a total of 90 e-content materials comprising of 38 videos, 24, lesson plans, competency based questions of jammu &kashmir state subject science class 6,7,8 are approved by ciet &ncert and content uploaded on diksha web portal.

diksha vidyadaan proof:

5/28/2021

Gmail - VidyaDaan: Your THE CELL content for A.P. CLASS VIII TO X BIOLOGY ENGLISH MEDIUM TEXTBOOKS project is accepted



CHALAPATHI RAO <vidyadaancrao@gmail.com>

VidyaDaan: Your THE CELL content for A.P. CLASS VIII TO X BIOLOGY ENGLISH MEDIUM TEXTBOOKS project is accepted

1 message

support@diksha.gov.in <support@diksha.gov.in>
To: vidyadaancrao@gmail.com

22 December 2020 at 18:52



Hi,

This is to inform you that your content THE CELL contributed to the project A.P. CLASS VIII TO X BIOLOGY ENGLISH MEDIUM TEXTBOOKS has been approved by the project owner.

Regards,
VidyaDaan Team

Note: This is an automatically generated email. Replies to this mailbox will not be monitored. If you are not the intended recipient of this message, or need to communicate with the team, write to vdnsupport@teamdiksha.org

10. Research & publications:

Name of the faculty- swarna dhavala

Dept of m. Sc biotechnology

Event- published 2 research articles in ugc-care list journals in 2020

Paper 1 title- screening and molecular characterization of actinomycetes from Mangrove soil producing industrially important enzymes

Paper 1 published in journal of scientific research in june issue, 2020 in volume 64.

Link:

https://www.bhu.ac.in/research_pub/jsr/volumes/jsr_64_02_2020/11.pdf

The abstract of the study describes the isolation of actinomycetes, screening for them

Potential to produce industrially important enzymes and their molecular characterization. Twenty-five actinomycete strains were isolated from the soil samples of pichavaram mangroves and were morphologically characterized. The isolates were screened for enzymes:

L-asparaginase, lipase cellulase, amylase and protease. Five streptomyces sp. Showed a

Positive activity for all the enzymes studied. The isolates were further screened by

Quantitative method. The five streptomyces spp. Were further identified by conventional and molecular methods. Based on the molecular characterization, the novel isolates were identified as streptomyces sp. Lcj10a (accession no. Ku 860466), streptomyces sp. Lcj11a (accession no. Ku921107), streptomyces sp. Lcj13a (accession no. Ku921109), streptomyces sp. Lcj14a (accession no. Ku921110) and streptomyces sp. Lcj16a (accession no. Ku 921112). These cultures showed good enzyme activity under submerged fermentation and therefore, they can be used in developing a low-cost technology for industrial applications

Paper 2 titles- medium formulation and optimization of culture conditions to maximize protease production by nocardia sp. Lcj15a

Published in journal of advanced scientific research as vol 11 - special issue: recent

Advances in biotechnology & microbiology, sept. 2020

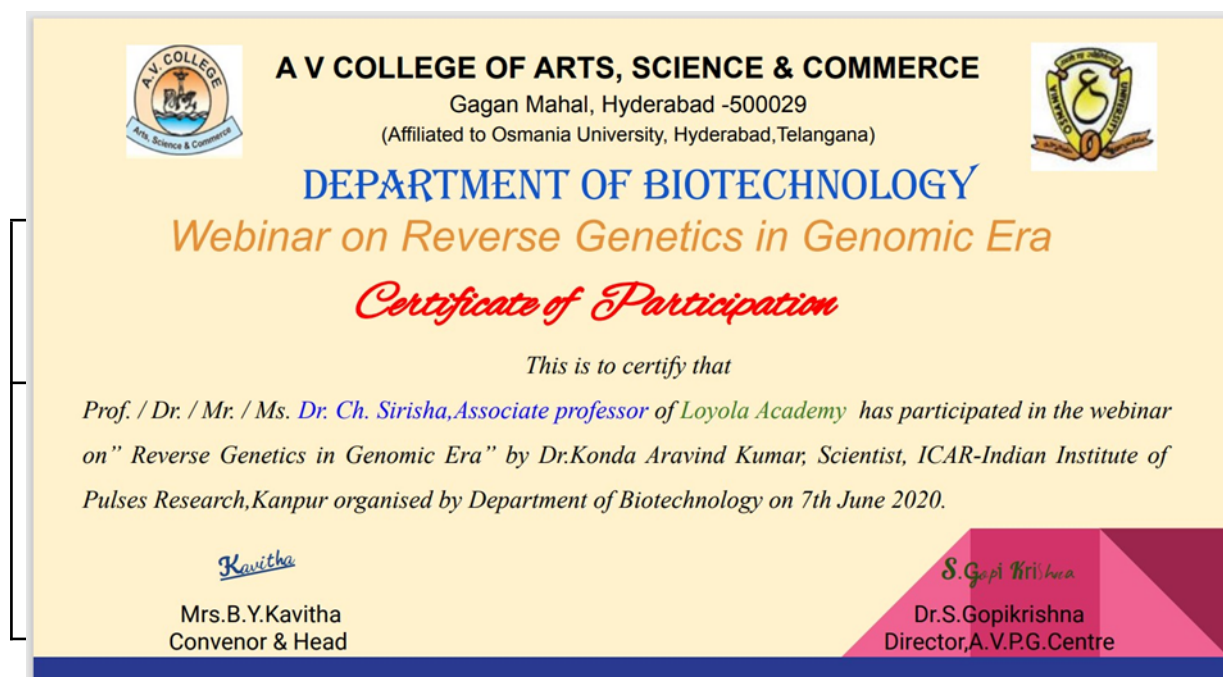
Link: https://www.sciensage.info/current_issue_publish.php?p=718

The abstract of the paper was to optimize the production medium for nocardia sp. Lcj15a,

Isolated from the soil samples of pichavaram mangroves, tamil nadu which showed high yields of protease activity. The isolate nocardia sp. Lcj15a was studied in 6 separate basal media for selection of the best medium. Subsequently protease production by nocardia sp.

Lcj15a was further optimized by submerged fermentation. Various physical and nutritional parameters were optimized for increasing the production of protease. Optimized parameters included carbon, nitrogen sources, inducers and their concentration, ph and temperature. Plackett-burman design assisted in finding the important parameters which showed a strong influence on protease production by nocardia sp. Lcj15a. Maltose (a), casein (b), ph (c) and temperature (d) were selected as model factor for the design. A full factorial design was used to study the effects of carbon and nitrogen sources in protease production by nocardia sp. Lcj15a. The 4 main factors were evaluated by one factor at a time (ofat) method. This statistical optimization method led to production of 350.99 ± 1.8 u/ml of protease which was 3.5-fold greater when compared to unoptimized medium. Analysis of variance (anova) revealed a high coefficient of determination (r^2) value of 0.9154, confirming a reasonable adjustment of the quadratic model with the experimental data. Production of improved protease enzyme yields from nocardia sp. Lcj15a maximizes its applicability in various industries.

Faculty achievement dr. Sirisha



1. Dr. Sirisha chittala is working as a biotech consultant in spil dbt team, for the department of biotechnology, new delhi since january 2020.

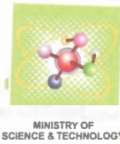
The department of biotechnology, ministry of science & technology, government of india has commissioned m/s spectrum planning (india) limited (spil) to undertake a study on these findings and recommendations were developed through the vetting of variety of methodologies for assessing and evaluating "socio-economic impact assessment & analysis of the various schemes and programs of department of biotechnology." in support of this, i

D

r . Sirisha chittala in the team working as biotechnologist and visited reputed institutions, and reviewed resource persons: list of the institutions and resource persons,



Radha R. Ashrit
Statistical Adviser
Tel-24363656



MINISTRY OF
SCIENCE & TECHNOLOGY

भारत सरकार
विज्ञान और प्रौद्योगिकी मंत्रालय
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GOVERNMENT OF INDIA
MINISTRY OF SCIENCE &
TECHNOLOGY

DEPARTMENT OF BIOTECHNOLOGY
Block-2, 7th Floor C.G.O. Complex
Lodi Road, New Delhi-110003

TO WHOMSOEVER IT MAY CONCERN

As you are kindly aware, the Department of Biotechnology, Ministry of Science & Technology, Government of India has engaged *M/s Spectrum Planning (India) Limited, Faridabad* for carrying out a study on "Socio-Economic Impact Assessment & Analysis of the various Schemes and Programs of Department of Biotechnology."

As a part of this exercise, the representatives of *M/s Spectrum Planning (India) Limited* would be contacting, various clusters & groups, beneficiaries, the Autonomous Institutes & Public Sector Undertakings (AIs & PSUs) of DBT, DBT Officers and implementing agencies in the States for collection of comprehensive data and information to assess the impact of various components of the DBT schemes in qualitative and quantitative terms. The Terms of Reference (ToR) of the study are Annexed.

Kindly fill out the data collection formats prepared by the Experts Team from *M/s Spectrum Planning (India) Limited* in consultation with DBT Advisers. The Study Team will also require contact details of the beneficiaries of the Project for analyzing the socio-economic impact of DBT supported projects.

Please provide the Study Team with a copy of the Consolidated Project Progress Report for review and analysis.

Members of the Study Team will visit/contact selected PIs and beneficiaries/stakeholders for further discussions and the necessary data collection.

I shall be grateful, if the necessary assistance is extended to the Study Team from *M/s Spectrum Planning (India) Limited*, for facilitating the "Socio-Economic Impact Assessment & Analysis of the various Schemes and Programs of Department of Biotechnology."

With Regards,

Encls: As Above

Yours Sincerely,


(Radha R. Ashrit)

Website: <http://www.dbtindia.nic.in> <http://www.btisnet.gov.in>
दूरभाष / Telephone : 24363012, 24362329 फैक्स / Fax : 011-24362884



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)
(Affiliated to Osmania University, Accredited by NAAC-UGC with 'A' grade and
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Kokapet(V), Gandipet(M), Hyderabad, R. R. Dist., Telangana State, PIN-500075
website : <http://www.cbit.ac.in>



To

Date: 28-08-2019

Mr/Ms/Mrs/Dr. Chittala Sirisha
Asst Prof / Assoc Prof / Professor
Loyola Academy Degree & PG college
Secunderabad

Dear Sir/Madam,

Chaitanya Bharathi Institute of Technology, Hyderabad is pleased to appoint you as the paper-setter in the following subject. I request you to accept this offer and keep your appointment **Strictly Confidential**.

Examination : B.E. & BTech V Sem (Main) Nov – Dec 2019 .
Subject : Environmental Biotechnology

You are requested to set **TWO** question papers on the above mentioned subject as per the guidelines, syllabus, and model paper enclosed. The following weightage must be ensured while framing the questions in Part-A & Part-B and must be followed as per the following Bloom's Taxonomy Levels.

Bloom's Taxonomy Levels:

Level-1	- Remembering	-- Fundamental Knowledge	- 60%
Level-2	- Understanding		
Level-3	- Applying	-- Knowledge on Application & Analysis	- 30%
Level-4	- Analysing		
Level-5	- Evaluating	-- Critical Thinking	- 10%
Level-6	- Creating		

Please send the soft copy of the question papers in **MS-Word** document format strictly in the given Question paper template only **within two week days to acoe@cbit.ac.in**.

Figures if any, have to be incorporated by directly drawing them using **MS-Word** or fairly scanned may be incorporated at appropriate place. Equations and symbols may kindly be inserted using **MS-Word Equation Editor**.

Please mention the code number and subject title on the enclosed question paper template. Enter the questions of each unit in the corresponding place of the question paper template. Kindly ensure that, the questions of the enclosed question paper/model paper do not reflect in the question paper to be set and the two question papers of **Set-I** and **Set-II** shall contain different questions.

If you need any clarifications, please feel free to contact Dr. Swatmaram, Assistant Controller of Examinations on 8499983973.

Your cooperation in this regard will be highly appreciated.

Yours truly
Sd/-
Dr. PV PRASAD
Controller of Examinations

Enclosures:

1. Syllabus copy
2. Revised Bloom's taxonomy action verbs.
3. Question paper template(s)
4. Instructions and Guide lines

Dr.ch. Sirisha appointed as practical examiner and question paper setter for m. Tech, biotechnology course

