

# Biotechnology Department

## Activities conducted

During the Academic Year

2020-2021

<b>Sl. No.</b>	<b>Activity</b>	<b>Date</b>
1	<b>National Art Competition</b> Theme/Title: "Covid 19 challenges in the current world"	29 <sup>th</sup> July 2020
2	<b>Workshop</b> <b>Title:</b> Bioinformatic Tools for Genetic Diagnosis of Inherited Diseases	7-11 Dec 2020
3.	<b>National Webinar</b> <b>Title:</b> Drug Discovery and Opportunities in Industry	26 <sup>th</sup> June 2021

## KMICS NATIONAL ART COMPETITION-2020

Theme: "Covid 19 challenges in the current world"

Date: 29<sup>th</sup> July 2020, Time: 10:00 AM to 3:30 PM

Venue: Online on 'Zoom' Platform

**Convenor:** Dr. B. Kiran Kumar, Lecturer in Biotechnology

**Resource Person:** Mr. Prakash Dharma, Artist and Architect

**KESHAV MEMORIAL INSTITUTE OF COMMERCE & SCIENCES**  
(Affiliated to Osmania University)  
Narayanaguda, Hyderabad

**Conducts**  
**National ART Competition (Drawing and Painting Competition)**

**Organized by**  
Department of Biotechnology, KMICS  
Convenor: Dr. B. Kiran Kumar  
Lecturer in Biotechnology  
With the support of  
Management  
Principal: Dr. J. Nageswara Rao  
&  
Faculty of KMICS

**Genesis**  
In the current global pandemic situation, when the world is in a state of lockdown, and students are being kept on a high challenge to pay for attention towards monitors, a lacuna is created in their minds on missing recreation activities. To overcome this, we have planned for an "Art competition" so that a student schedules some time away from computer monitors and places his imagination on to paper with colours. This is one of the many ways of personality development and confidence building. We hereby request all the teachers to circulate among the students and suggest them to participate in this competition.

**Directions for art work and presentation**  
Draw or paint on charts or canvas  
(Digital art is not accepted)  
Take a clear picture of your art  
Submit picture of your art (JPEG format) by 29<sup>th</sup> July  
Show & explain your art via zoom on competition day

**Date of competition and time**  
29<sup>th</sup> July 2020,  
From 10:00am onwards  
with introductory speech by convenor by  
Shri Prakash Dharma Garu  
Venue  
Present your art work via Zoom  
Art will be given via email to registered candidates

**Theme of the competition**  
Covid 19 challenges  
in the current world

**Speaker and Judge**  
Shri. Prakash Dharma Garu

**Registration & Upload of Art work**  
Register & Upload a clear picture of your art work,  
by 29<sup>th</sup> July 2020  
<https://forms.gle/SDhUGEsVvyuCuHpv8>  
If the link does not open by touch on mobile phones, then copy-paste link in browser or download xodo app from playstore

**Certificates**  
Participation certificate  
for all the presenters  
Certificate of best art work  
for top five

**Selected pictures of art work will be show cased** with your contact details on  
**KMICS website- Art Gallery.**

**Thanks to Management**  
Justice L. Narasimha Reddy garu, President, KMES  
Shri J. Narasimha Rao garu, Vice President, KMES  
Dr. A. Subramanyam garu, Secretary, KMES  
Shri B. Sridhar Reddy garu, Joint Secretary, KMES  
Shri L. Prabhakar Reddy garu, Treasurer, KMES

**Thanks to faculty members from various departments for co-ordinating**  
Ms. Kavitha Varak, Biotechnology  
Ms. Uma Devi, English  
Ms. Suchetha Patankar, Commerce  
Mr. Jiplandhar, Computer Science  
Ms. Padmaja Alibhalla, Microbiology  
Ms. Reddy Lalitha, Microbiology  
Ms. G. Hima Bindu, Chemistry  
Ms. Maheshwari, Chemistry  
Ms. Priyanka, Physics  
Ms. Veda, Physics  
Ms. Valshavee, Physics

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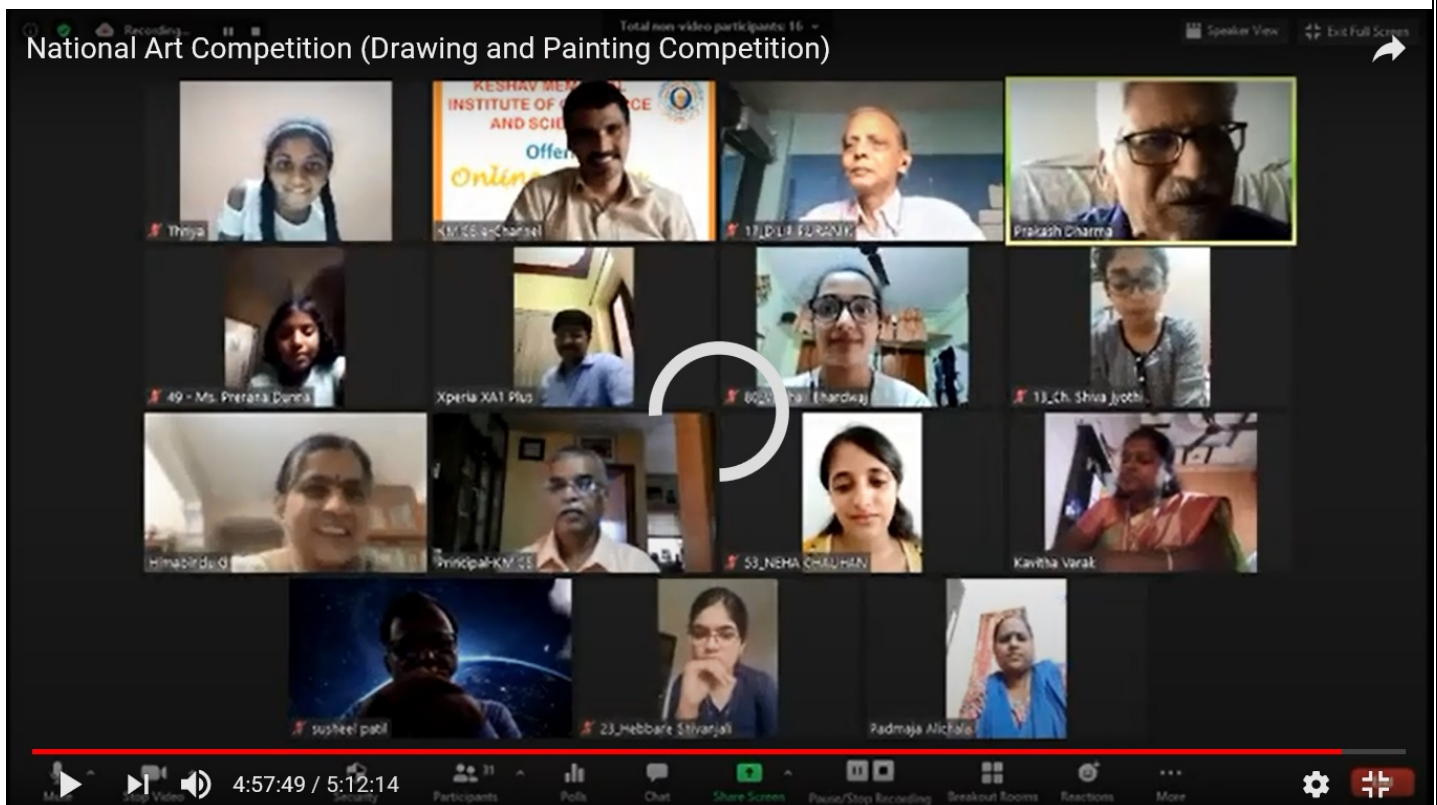
**Ms. Kavitha Varak**  
Phone: 9490471738

The global pandemic situation in 2020 has put the world in lockdown, and this has brought a lot of stress to people of every walk of life and especially the students, who had to soon adapt to novel methods of learning, that is the online classroom. This sudden change has created a lacuna in the minds of students on their missing recreation activities and their interaction with their friends, which is a most important aspect for child psychology for their normal mental activity. To overcome this, an "Art competition" was planned for students of all the ages, where they were motivated for development of creative skills. This will make the students, schedule some time away from computer monitors, and place their imagination on to paper with colours, and finally present their work on the online platform. Since the competition is online, students from all over India were encouraged to participate, as they can present their work from their residence.

Shri. Prakash Dharma garu, an Eminent artist, who guides students in learning art works, especially drawing and painting, has been the chief guest and judge for this competition. Faculty members from various departments who have co-ordinated the program are: Ms. Kavitha Varak, Biotechnology; Ms. Uma Devi, English; Ms.Suchetha Patankar, Commerce; Mr. Jalandhar, Computer Science; Ms.Padmaja Alichala, Microbiology; Ms. Reddy Lalithya, Microbiology; Ms. G. Hima Bindu, Chemistry; Ms. Maheshwari, Chemistry; Ms. Priyanka, Physics; Ms. Veda, Physics ; Ms. Vaishnavee, Physics.

Competition has taken place from 10:00 am in the morning, till 3:30pm in the evening. There were two rounds of selection. preliminary screening and final selection. Preliminary screening was conducted in four breakout rooms. Final selection was conducted in a single room. Selected artworks were displayed at KMICS website for one academic year. Recording of the program is available at the following utube link: <https://youtu.be/sUnL-Y8I1iw> . All the participants were provided with participation certificates.

We greatly acknowledge principal, Dr. J. Nageswara Rao and, management members: Justice L. Narasimha Reddy garu, President, KMES; Shri J. Narasimha Rao garu, Vice President, KMES; Dr. A. Subramanyam garu, Secretary, KMES; Shri B. Sridhar Reddy garu, Joint Secretary, KMES; Shri. L. Prabhakar Reddy garu, Treasurer, KMES; for providing subscribed Zoom online support and encouraging us to conduct such a program.



Art works which stood first place

Art work by Adepu Veda Sriya, from Hyderabad.



Art work by Vaishali Bharadwaj from Una, Himachal Pradesh



Samsung Dual Camera  
Shot with my Galaxy M10

VEDA ART

## **Workshop-December 07-11, 2020**

**Title:** Bioinformatic Tools for Genetic Diagnosis of Inherited Diseases

**Convenor:** Dr. B. Kiran Kumar

**Duration:** Five days from 7<sup>th</sup> December, 2020 to 11<sup>th</sup> Dec 2020

**Total Online Hours:** Two hours per day for 5 days = 10 hours

**Genesis/Requirement:** Students pursuing semester 3 and 5 have Molecular Biology course work. To provide extended add on skill, a workshop was planned to impart skills online

During the workshop, students were exposed to:

- (1) Online databases to obtain gene sequences
- (2) Demarcate the sequences representing different elements of a gene
- (3) Online databases for identifying mutations observed in population
- (4) Mapping mutation on gene sequence
- (5) Designing primer sequences to amplify a fragment of DNA containing mutation by PCR method.
- (6) Identifying Restriction enzyme which can cut a DNA fragment at the mutation site.

Students were provided with hands-on experience on the above by assigning to work on identifying a genetic disorder, identify the gene responsible for the genetic disorder, and develop diagnostic methods to identify the genetic disorder using the above tools.

## NATIONAL WEBINAR

**Title:** Drug Discovery and Opportunities in Industry

**Venue:** online on 'Free Conference Call' platform

**Convenor:** Dr. B. Kiran Kumar; **Associate Member:** Mrs. P. Aruna Kumari

**Date of the program:** 26<sup>th</sup> June, 2021, **Day of the week:** Saturday.

**Time of initiation and Duration:** 10:30AM to 12:00 noon, On and a half hour.

**Resource Person:** Dr. Sarita Sharma, Principal Scientist, Lupin Ltd.

**Genesis/Requirement:** Students pursuing Biotechnology course, have a paper titled, "Drug designing" as a skill enhancement course. A webinar was therefore planned by inviting scientist from pharmaceutical company, mainly to motivate the students by educating them about the current scenario in the industry and the opportunities they can tap.

**Background of the Speaker:** Dr. Sarita Sharma has been working as Principal Scientist & Head at Product Characterization Group of Biotech Division, Lupin Limited, India, for the last 9 years, where she with her team is involved in development of cell lines, clones, and Biosimilars. She pursued her doctoral study at Central Drug research Institute, Lucknow, a CSIR institute, and post-doctoral studies at Hannover Medical School, in Germany.



### Webinar Content:

Dr. Sarita Sharma has reached to the students, by initiating the talk with the most basics on drug discovery, using the terminologies they have learned during the course. She has explained about the challenges in the path of drug discovery, and investments of time and money by the industry, pointing about the opportunities to enter into this field. Further she has explained about her current works on development of therapeutic antibodies. On this aspect, she has added a brief note on the historical methods to current developments.

Attendees (72)

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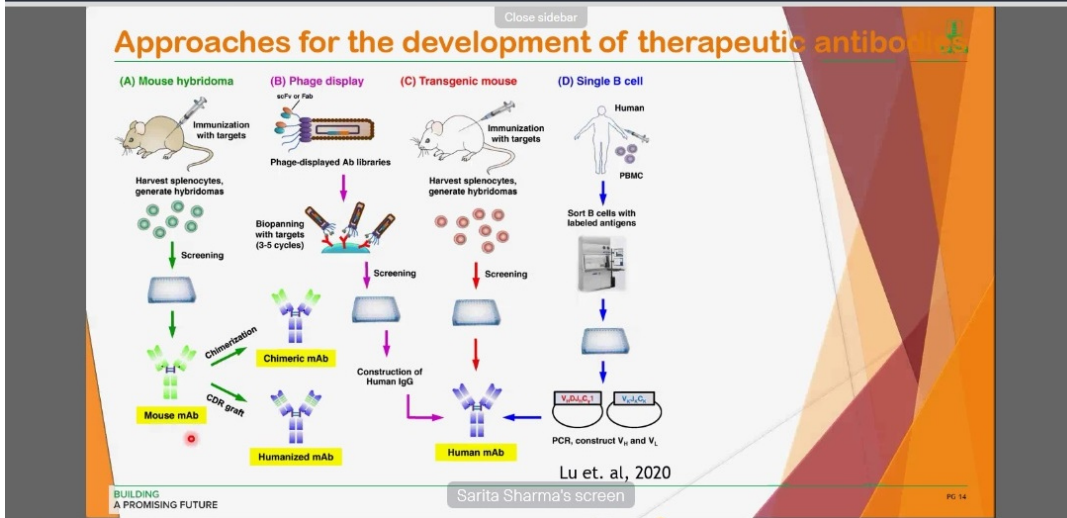
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Attendees (72)

Muted Hold Lock Rooms



Search All

+ Invite participants

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Sarit... Co-Host Presenter sarita.sharma05@gmail.com

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Alekhya

Attendees (76)

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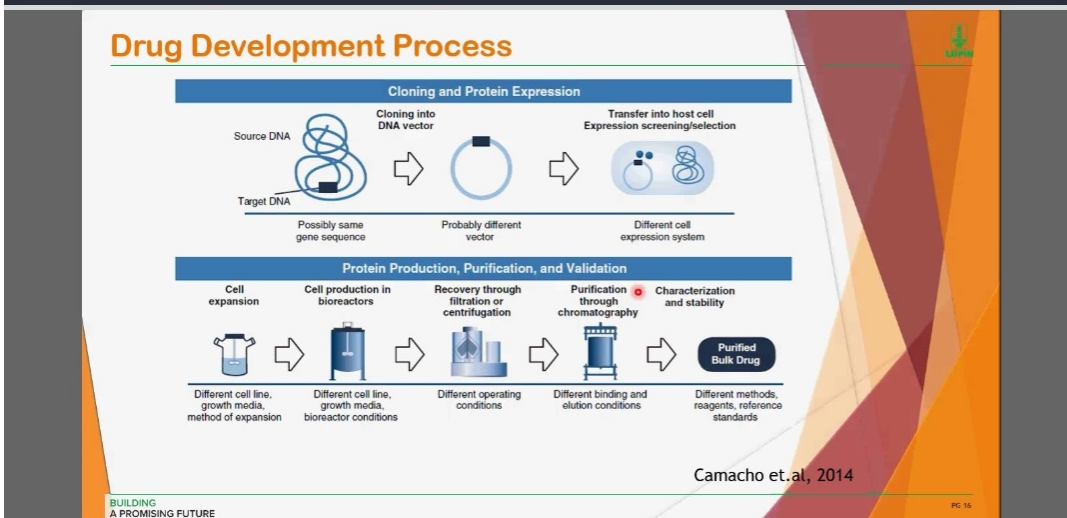
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Attendees (76)

Muted Hold Lock Rooms



Search All

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