

6th Annual fest of Science Club

*Let's Discover and learn together*

# VIRTUAL SCIENCE EXPO- 2021



OPEN FOR  
ALL SCHOOL  
COLLEGES &  
UNIVERSITIES

27<sup>th</sup> & 28<sup>th</sup> February 2021

Join us live on zoom / YouTube Live

## EVENTS

Science Exhibition

Seminar Competition

Photography Competition

Science Scholar Competition

Oratory Competition

Group A : V to VIII (School)

Group B : IX to XII (Higher Secondary)

Group C : F.Y. To P.G. (College)

Group D : Ph.D. (Research Scholar)

Registration will be accepted till  
24<sup>th</sup> February 2021

Link for Registration  
Join chat group



Organised by  
**Faculty of Science & IQAC**

Late. Digambarrao Bindu Smarak Samiti's

**DIGAMBARRAO BINDU ARTS, COMMERCE & SCIENCE COLLEGE,**  
BHOKAR, DIST NANDED -431801

UGC 2(f) 12 (b)  
Affiliated with S.R.T.M. University, Nanded

NAAC Reaccredited with 'B' grade (CGPA 2.40)  
Best College Awards by S.R.T. M. University, Nanded

## Schedule of the Events

INAUGURAL CEREMONY

27 February 2021

10:30 AM

### INAUGURATOR



**Dr. Sahebrao Sonkamble**

Senior Scientist

CSIR-National Geophysical Research Institute,  
Uppal Road, Hyderabad-500007,  
Telangana, India.

#### Brief about Inaugurator

Dr. Sonkamble has been serving CSIR-NGRI for past thirteen years in Groundwater Division and associated in executing fifteen R&D and applied science projects successfully, involving Geophysical, Hydrogeological, Topographical investigations and Environmental Impact Assessment studies for groundwater resources management in various geological terrains. He gained extensive field experience and operation of latest tools like Multi-Electrode Resistivity Imaging System, Ground Penetrating Radar (GPR), Proton Precession Magnetometer, Insitu chemical parameter meter, Double Ring Infiltrometer, and Differential GPS. His other SCI publications as output of R&D projects are 1) identification of TSDF site for Cr6+ waste disposal, 2) application of GPR for detection of clandestine pipes, and earth & environmental aspects, 3) prediction of future groundwater scenarios using Flow and Mass Transport Modelling, and 4) delineation of fresh aquifers in Tannery Belt for sustainable development. He has taken charge of Additional Area Party Chief for AQMAH Nagpur pilot area under AQUIM project (World Bank funded) where he is able to demarcate individual Basaltic flow and Basalt-Gondwana contact integrating ground geophysics tools such as electrical resistivity (1D & 2D) and Heliborne EM. His other significant major research findings under Saph Pani Project (European Union funded) are wetlands as natural treatment systems for wastewater and reuse in peri-urban areas. He has developed Decision Support Tool for sustainable groundwater resources in sugarcane growing areas of India and electrical resistivity surveys applied to locate potential groundwater zones in rural areas of Niger (West Africa) under Indo-African bi-lateral relations held during Oct-2015 in Delhi. Currently, he is engaged in R&D projects involving, i) groundwater exploration and management across India and, ii) detecting geological suitability for rail tunnels at Eastern Ghats and Himalayan regions.

## Schedule of the Events

Events	Date	Group	Time
Science Exhibition	27 February 2021	Group A	11:00 am to 12:30 pm
		Group B	12:30 pm to 02:00 pm
		Group C	02:00 pm to 03:30 pm
		Group D	02:00 pm to 03:30 pm
Photography Competition	27 February 2021	All Groups	12:30 pm to 02:00 pm
Oratory Competition	28 February 2021	Group C	10:00 am to 11:00 pm
		Group B	11:00 am to 12:00 pm
		Group A	12:00 pm to 01:00 pm
Seminar Competition	28 February 2021	Group A	10:00 am to 12:00 pm
		Group B	12:00 pm to 01:00 pm
		Group C	01:00 pm to 03:00 pm
Science Scholar Competition	28 February 2021	Group C & D	12:00 pm to 01:00 pm

## Guidelines for the Virtual Science Exhibition & Seminar Competitions

1. Registrations will be open on **21<sup>st</sup> February 2021** from 11:00 am and will close down on **24<sup>th</sup> February 2021** at **05:00 pm**.
2. Competitions will be on the **ZOOM platform & Google meet**.
3. The competitions will be held on 27<sup>th</sup> and 28<sup>th</sup> February 2021 from 11:00 am to 04:30 pm.
4. The competitions will be open for all the interested students across the country from classes 5<sup>th</sup> to Ph.D.
5. There will be Four groups

**Group A :V to VIII (School Group)**

**Group B : IX to XII (Higher Sec. Group)**

**Group C : F.Y. to P.G. (College Group)**

**Group D : Ph. D. (Research Scholar Group)**

6. Every participant should submit separate entry for each event.

### **For Exhibition**

6. All Project (Models /Posters) should be submitted in the form of recorded video of max 5 minutes. Demonstration of Models /Posters & should be based on innovative ideas in any of the given Theme.
7. Video recording should be uploaded
  - i. to **Youtube** and send the information by giving the link of the video in the registration form OR through e-mail OR
  - ii. convert the clip into FLV file and send the clip by email to the organizer.
8. The video recording must be original and not being uploaded or downloaded from any websites.
9. **For Live Demonstration participants should obtain prior permission from the organizer.**
10. Participants need to submit a Project Abstract (Summary of the Project)(100 words max.), in a particular file format (Word/PDF).
11. These Abstracts will be scrutinized and the best **20 entries** from each group will be entitled for live presentation and rest will be played as recorded video after live session on their respective exhibition date.
12. Each exhibit will include a working model based on one of the given themes:

(a) Energy and Its Conservation

(b) Agriculture

(c) Industrial development and Environment

(d) Technology in Health

(e) Recent trends in Science and Technology

(f) Skill based Education

10. Each participant (Group of Participants) will be given **5 minutes** time to present and describe their working model.

### **For Seminar:**

1. Participants are requested submit recorded video of their presentation. Presentation should be maximum of 07 minutes.

Video recording should be uploaded

- i. to **Youtube** and send the information by giving the link of the video in the registration form OR through e-mail OR
  - ii. convert the clip into FLV file and send the clip by email to the organizer.
2. The video recording must be original and not being uploaded or downloaded from any websites.
  3. **For Live Presentation participants should obtain prior permission from the organizer.**

### **For Photography Competition: (Wildlife & Nature Photography)**

1. Participants are requested to submit their entries in [Google form](#) as an attachment. All submitted photos must contain the original information as per the theme with minimum resolution of 300dpi. However, there must be no border(s), logo(s), copyright marks, identifying marks, or any other visible references and/or marks on the image. Basic editing, including colour enhancement, the use of filters, and cropping of the Photo(s) is acceptable, provided any such editing does not affect the authenticity and/or genuineness of the Photo(s). Advanced editing used to create illusions, deceptions and/or manipulations, and the adding and removing of significant elements within the frame is prohibited.
2. Selected participants will be allotted a particular serial number. They are also requested to login during the competition with the same serial numbers along with their names.
3. Judgment will be done on the criteria of innovation, presentation, relevance to the theme, working of the model by the renowned scientist.

### **For Oratory Competition:**

1. Every contestant is given 5 minutes for the public speaking video presentation.
2. There must be at least 3 points relevant to the topic given in the speech.
3. The topic for the oratory competition is **“COVID-19 Pandemic & Lockdown”**.
4. Every participant must use the e-form provided by the organising committee to apply.
5. The participant has to fill up the e-form provided.
6. The closing date of the application and sending in the video clip is on 24th February 2021.
7. Video recording should be uploaded
  - i. to [Youtube](#) and send the information by giving the link of the video in the registration form OR through e-mail OR
  - ii. convert the clip into FLV file and send the clip by email to the organizer.
8. The video recording must be original and not being uploaded or downloaded from any websites.
9. For Live Presentation participants should obtain prior permission from the organizer.

### **For Science Scholar Competition (Only for U.G., P.G. & Ph.D. Students)**

1. Science scholar competition is 100 marks Quiz competition based on General science, Reasoning. Participants need to register separately. All the registered candidate will receive quiz link 15 before start of competition.
2. The quiz will be of one hour duration.
4. The quiz will be on 28<sup>th</sup> February, 2021 at 12:00 Noon.
5. You can attempt the quiz only once.
6. There are of total 50 questions.
7. Each question carries two marks. No negative marking for wrong answers.
8. Questions are of Multiple Choice.
9. Click Start Test to attempt the quiz.
10. The time will start the moment you click the Start Test button.
11. You can resume this quiz, if interrupted due to any technical reason.
12. Click on Submit Test button on completion of the quiz.

#### **Note:**

1. The decision of the panel of judges will be final and binding to all the participants.
2. All contestants are eligible to get certificate for their participant, However, only top 3 contestants will be honor with prizes.