

## **A one day Materials Science Webinar on 03.06.2021 titled**

### **‘Recent Advances in Materials Chemistry’**

- On 3<sup>rd</sup> of June, 2021, Chemistry division of Science and Humanities department of Vignan's Foundation for Science, Technology & Research (Deemed to be University), has organized a one day Webinar on ‘**Recent Advances in Materials Chemistry**’.
- Prof. A. V. R. Reddy, CEO, Gemmological Institute of India, Ex-Head, Analytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai and Prof. Samar Kumar Das, Professor, School of Chemistry, University of Hyderabad, Hyderabad, Telangana, were the two resources persons for the webinar on ‘**Recent Advances in Materials Chemistry**’.



**Prof. A. V. R. Reddy,**  
CEO, Gemmological Institute of India  
Ex-Head, Analytical Chemistry Division  
BARC, Mumbai, Maharashtra, India



**Prof. Samar Kumar Das,**  
Professor, School of Chemistry  
University of Hyderabad,  
Hyderabad, Telangana, India

- Prof. A. V. R. Reddy has presented various nuclear analytical techniques for materials characterization. Prof. A. V. R. Reddy has highlighted the advantages of the neutron activation analysis (NAA) and mentioned that various large scale samples were characterized very accurately using nuclear analytical techniques.
- Prof. A. V. R. Reddy has also mentioned that nuclear analytical techniques are non-destructive and obtained results were very accurate and precise.
- Prof. Samar Kumar Dashas presented various functional inorganic materials for electrocatalytic water splitting and aerial carbon dioxide capture. Prof. Samar Kumar

Dashas highlighted various porous inorganic materials and how the host-guest chemistry is widely utilized for the capture of carbon dioxide.

- Prof. Samar Kumar Das has highlighted the electrochemical water reduction to molecular hydrogen using inorganic catalysts and which would be an alternate to the fossil fuel.
- The Convenor for this webinar is Dr. Anandarup Goswami, Associate Professor in Chemistry Division of Science and Humanities department. Dr. N. Srinivasu, head of Science and Humanities department, VFSTR has inaugurated the webinar. More than 300 participants from various reputed institutions have attended the Webinar.
- The faculty from various sister institutes of Vignan's groups, research scholars, post graduate and graduate students of the university were present at the program and got benefitted from the presentations by the resource persons.

## Pictures of the Webinar

This screenshot shows a Zoom webinar interface. The main content area displays a slide with the title "NUCLEAR ANALYTICAL TECHNIQUES" in red. Below the title, it lists the speaker as "A.V.R. Reddy, Formerly Head, Analytical Chemistry Division, Bhabha Atomic Research Center, Trombay, Mumbai 400 085, India, avreddy52@yahoo.com". The slide background features a photograph of a large industrial facility, likely a nuclear power plant. On the left side of the slide, there are two small portraits of men. A Google Maps widget is overlaid on the bottom left of the slide, showing a location in Tenali, Andhra Pradesh, India, with coordinates Lat N 16° 14' 24.4248" and Long E 80° 38' 3.2136". The Zoom meeting controls at the bottom show the time as 03/06/21 02:19 PM. The right sidebar shows a list of 311 participants.

**NUCLEAR ANALYTICAL TECHNIQUES**

A.V.R. Reddy  
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avreddy52@yahoo.com

Tenali, Andhra Pradesh, India  
Guntur Road, Amaravathi yards, Ponduranga Pet, Tenali, Andhra Pradesh 522201,  
India  
Lat N 16° 14' 24.4248"  
Long E 80° 38' 3.2136"  
03/06/21 02:19 PM

This screenshot shows a Zoom webinar interface. The main content area displays a slide with the title "Functional Inorganic Materials: Electrocatalytic Water Splitting and Aerial Carbon Dioxide Capture". Below the title, it lists the speaker as "Samar K. Das, School of Chemistry, University of Hyderabad, Hyderabad - 500046, skdas@uohyd.ac.in". The slide also mentions "Webinars on Latest Developments in Recent Advances in Materials Chemistry" and "Vignana's Foundation for Science, Technology and Research-VFSTR". The date is "June 03, 2021" and the time is "03.30 AM to 04.30 PM". The University of Hyderabad logo is visible. A Google Maps widget is overlaid on the bottom left of the slide, showing a location in Tenali, Andhra Pradesh, India, with coordinates Lat N 16° 14' 24.4428" and Long E 80° 38' 3.2496". The Zoom meeting controls at the bottom show the time as 03/06/21 04:00 PM. The right sidebar shows a list of 273 participants.

**Functional Inorganic Materials: Electrocatalytic Water Splitting and Aerial Carbon Dioxide Capture**

Webinars on Latest Developments in Recent Advances in Materials Chemistry  
Vignana's Foundation for Science, Technology and Research-VFSTR


June 03, 2021 03.30 AM to 04.30 PM


Samar K. Das  
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Tenali, Andhra Pradesh, India  
Guntur Road, Amaravathi yards, Ponduranga Pet, Tenali, Andhra Pradesh 522201,  
India  
Lat N 16° 14' 24.4428"  
Long E 80° 38' 3.2496"  
03/06/21 04:00 PM

Desikan Anandarup Gosw... Navuluri Sriniva... Annareddy jaya...

*A one-day webinar on  
Recent Advances in Materials Chemistry  
organized by  
Chemistry Division  
Department of S & H, VFSTR  
3<sup>rd</sup> June 2021 (2-5 pm)*

  
**Prof. A.V.R. Reddy**  
CEO-Gemmological  
Institute of India

  
**Prof. Sanjay K. Das**  
School of Chemistry  
University of Hyderabad

  
**VIGNAN'S**  
Foundation for Science, Technology & Research  
UNIVERSITY

**Tenali, Andhra Pradesh, India**  
Guntur Road, Amaravathi yards, Ponduranga Pet, Tenali, Andhra Pradesh 522201,  
India  
Lat N 16° 14' 24.4392"  
Long E 80° 38' 3.2424"  
03/06/21 02:09 PM

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