

## AIMAN COLLEGE OF ARTS & SCIENCE FOR WOMEN



Sponsored by AIMAAN Education & Welfare Society

Affiliated to Bharathidasan University

Recognized by UGC under section 2(f) and 12(B),

Tiruchirappalli – 620 021.

# Department of Physics

*Cordially invites you for the*

**Webinar Series on**

## **Nano Materials: Potential Impacts on Human Health and Environment**

**22<sup>nd</sup> & 23<sup>rd</sup> March 2021**



[meet.google.com/ceh-exua-dim](https://meet.google.com/ceh-exua-dim)



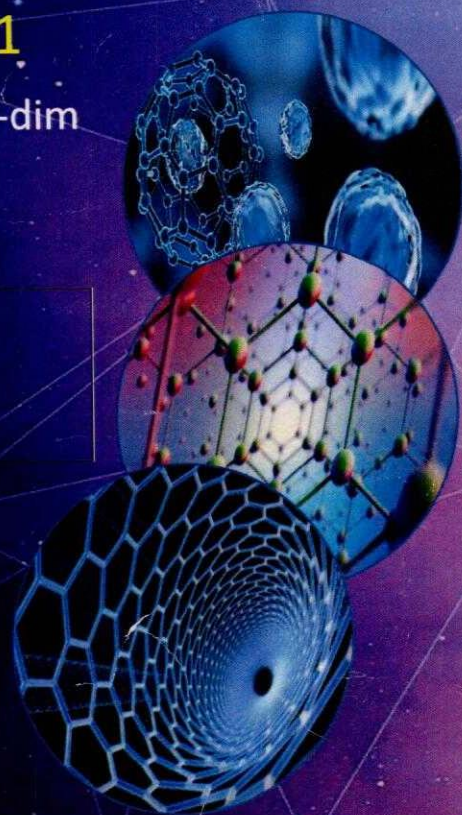
**Session 1 & 2**

<https://youtu.be/MZmB9m85bQ0>

**Session 3 & 4**

[https://youtu.be/Ct4RaGe\\_EEo](https://youtu.be/Ct4RaGe_EEo)

- There is no registration fee for the participants.
- E-Certificate will be issued to all the participants who attend the sessions and submit the feedback for each session.
- Certificates will be sent to the participants through email within 7 days after the webinar.





### Session 1

Date & Time : 22.03.2021 10:30 am to 11:30 am  
Topic : **Nano Materials in Biomedical Applications**  
Resource Person : Dr. P. Michael SL Shanthi  
Scientist under the DST, WOS-A Scheme  
Department of Marine Science  
Bharathidasan University, Trichy



### Session 2

Date & Time : 22.03.2021 11:30 am to 12:30 pm  
Topic : **Nano Materials in Apparel Technology Industry**  
Resource Person : Dr. MD GAZZALI P.M., M.Sc., M.Phil., Ph.D.  
Guest Faculty  
Department of Materials Science, Guindy campus,  
University of Madras,  
Chennai-25



### Session 3

Date & Time : 23.03.2021 10:30 am to 11:30 am  
Topic : **Recent Trends in Nanoscience & Nanotechnology**  
Resource Person : Dr.K. Jeganathan  
Professor of Physics  
Bharathidasan University  
Tiruchirappalli.

### Session 4

Date & Time : 23.03.2021 11:30 am to 12:30 pm  
Topic : **Nano Materials for Environmental Monitoring**  
Resource Person : Dr.S. Fairose M.Sc., Ph.D.,  
Assistant Professor  
AIMAN College of Arts and Science for Women,  
Trichy – 620 021.







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K. Sathanur, Tiruchirappalli-620 021

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DEPARTMENT OF PHYSICS

Webinar Series

ON

**Nano Materials: Potential impacts on Human Health and Environment**

22nd & 23 rd March 2021

Department of Physics of Aiman College of Arts & Science for Women Trichy, organized webinar series on '**Nano Materials: Potential impacts on Human Health and Environment**' on March 22<sup>nd</sup> and 23<sup>rd</sup> 2021 at the Auditorium. The Program commenced at 10.00 A.M with Qirath recited by Fahmitha Irfana, III B.Sc Physics. Dr. Suhashini Ernest, Principal & Head of the department of Physics welcomed the gathering and delivered the presidential address.

Nearly 95 participants from various colleges participated in the webinar.

The first session began at 10.30.AM. Dr. P. Michael SL Shanthi, Scientist under the DST, WOS-A Scheme, Department of Materials Science, Bharathidasan University, Trichy, delivered a lecture about "**Nano Materials in bio-medical application**". She presented a PPT and elaborated on the evolution of Nano Materials and explored the various bio-medical applications. The session was interesting and useful to students and they were given use of nano materials in cancer therapy. At the end of session, participants clarified their doubts for better understanding.

The second lecture commenced with full enthusiasm. The resource person, Dr. P.M. MD GAZZALI, Guest Faculty, Department of Materials Science, Guindy Campus, University of Madras, Chennai. He shared his knowledge about "**Nano Materials in Apparel Technology Industry**". Nanotechnology plays a vital role in the development of stainfree textile technology. Super hydrophobic coatings based on nanomaterials helps to assist the same. Students from the department of Appareal Fashion technology from our college also attended his talk.

On the second day, the first session started at 10.30 A.M. Dr. K. Jeganathan, Professor of Physics, Bharathidasan University, Trichy, spoke about the "**New trends in Nanoscience & Nanotechnology**".

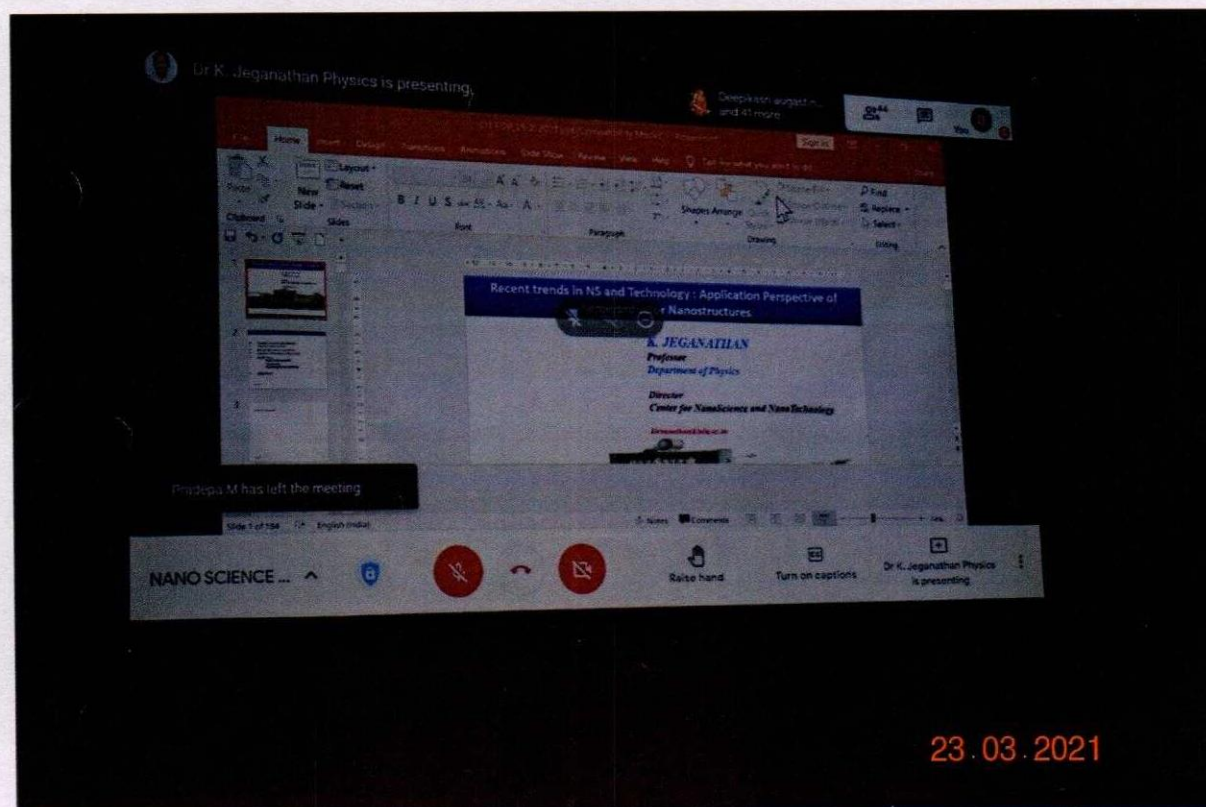
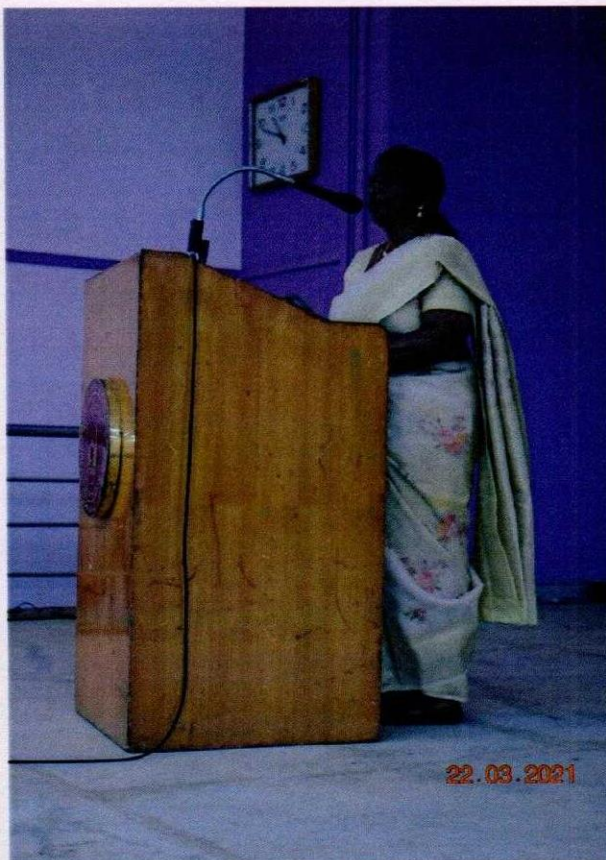
The second lecture was given by Dr. S. Fairose, Department of Physics, AIMA College of Arts and Science for Women, Trichy. She spoke on "**Nano Materials for Environmental Monitoring**". In today's world of increasing pollution, suitable monitoring of hazardous gases and hence controlling them, becomes indispensable. Nanotechnology offers a better solution for quick sensing & selective detection of toxic and harmful gases. She explained about the leakages and detection of toxic gas in the mixed environment. Also she elaborated about importance of gas sensor using Nanomaterials..

Finally, Dr. Suhashini Ernest encapsulated the whole webinar. All the participants have filled the feedback form at the end of the each session and e-certificates were distributed to them.

PRINCIPAL

31/3/2021





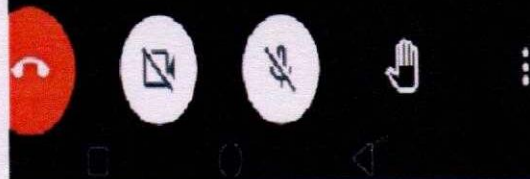
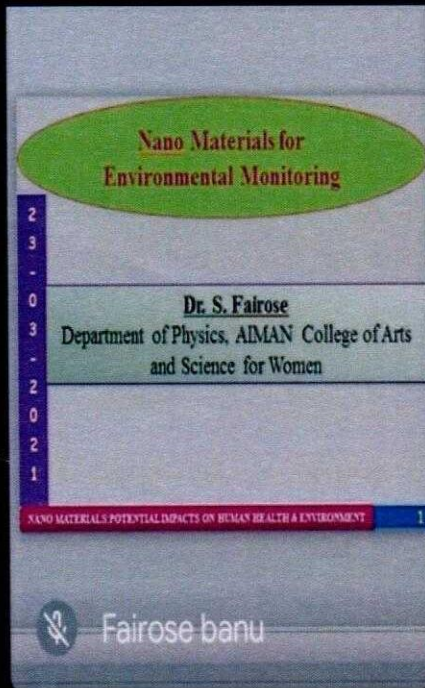




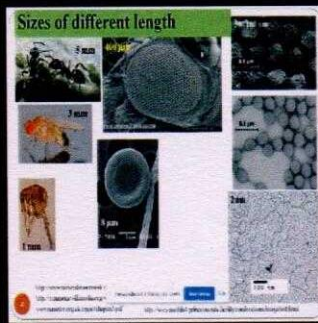
22.03.2021



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Dr. Mohammed Gazzali

