

**REPORT  
FOR THE  
ACTIVITIES OF  
INDIAN SCIENCE CONGRESS ASSOCIATION  
COIMBATORE CHAPTER**



**KONGUNADU ARTS AND SCIENCE COLLEGE  
PREMISES  
COIMBATORE – 641 029**



**Submitted by**

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INDIAN SCIENCE CONGRESS ASSOCIATION  
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KONGUNADU ARTS AND SCIENCE COLLEGE  
COIMBATORE – 641 029.**

**2020-21**

# **INDIAN SCIENCE CONGRESS ASSOCIATION COIMBATORE CHAPTER**

## **Committee members**

**Convener : Dr. C.A. Vasuki**  
**Secretary and Director**  
**Kongunadu Arts and Science College**  
**Coimbatore**

**Treasurer : Dr. S. Paulsamy**  
**Dean R&D**  
**Kongunadu Arts and Science College**  
**Coimbatore**

**Members : Dr. S. Binukumari**  
**Assistant Professor of Zoology**  
**Kongunadu Arts and Science College**  
**Coimbatore**

**Dr. S. M. Vigneshwaran**  
**Assistant Professor of Mathematics**  
**Kongunadu Arts and Science College**  
**Coimbatore**

**Dr. M.S. Sivaramkumar**  
**Assistant Professor of Chemistry**  
**Kongunadu Arts and Science College**  
**Coimbatore**

## INDIAN SCIENCE CONGRESS ASSOCIATION

### COIMBATORE CHAPTER

#### ACTIVITIES CARRIED OUT

S.No.	Title	Date	Page No.
1.	Department of Science and Technology Golden Jubilee Commemorative Webinar on 'Exploration of Knowledge on Science and Technological Innovations for Nation Building'	17.10.2020	1
2.	Special lecture on 'Health Issues of Women and Solution'	08.03.2021	6
3.	National webinar on 'Science & Society' (Science Day Celebrations-2021)	9.03.2021	9



## ***PROGRAMME – 1***

***Department of Science and Technology Golden  
Jubilee Commemorative Webinar on  
‘Exploration of Knowledge on Science and  
Technological Innovations for Nation Building’***

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## **PROGRAMME – 1**

### **Department of Science and Technology-Golden Jubilee Commemorative Webinar on “Exploration of Knowledge on Science and Technological Innovations for Nation Building”**

The Indian Science Congress Association, Coimbatore chapter and Kongunadu Arts and Science College Coimbatore jointly organised the Department of Science and Technology Golden Jubilee Commemorative Webinar on “Exploration of Knowledge on Science and Technological Innovations for Nation Building” on 17 October 2020, 9.30 am through google meet online platform, also with live telecast in YouTube. 320 participants were registered in the webinar.

**Dr. C. A. Vasuki, Convenor, ISCA Coimbatore Chapter** and Secretary and Director of Kongunadu Arts and Science College welcomed the assembled dignitaries and participants. In her welcome address she emphasised the dynamics of pure and applied science and how they together is very important in the innovation process.

**Dr. Vijayalakshmi Saxena, General President, Indian Science Congress Association** delivered the Presidential address. She highlighted about the activities of Indian Science Congress Association and stressed the importance of new innovations in health, agriculture and defence sectors, especially in the COVID 19 scenario.

**Prof. Dr. P. Kaliraj, Vice Chancellor, Bharathiar University, Coimbatore** gave the inaugural address wherein he spoke about the need to inculcate research in UG level in order to aid in the advance understanding of science and technology. He also spoke about the key points of the new education policy in improving the interest of students in the field of research.

**Dr. K. Lekshmanasway, Principal, Kongunadu Arts and Science College** proposed the vote of thanks.

The technical sessions were started followed by inaugural session, there were 4 speakers as follows.

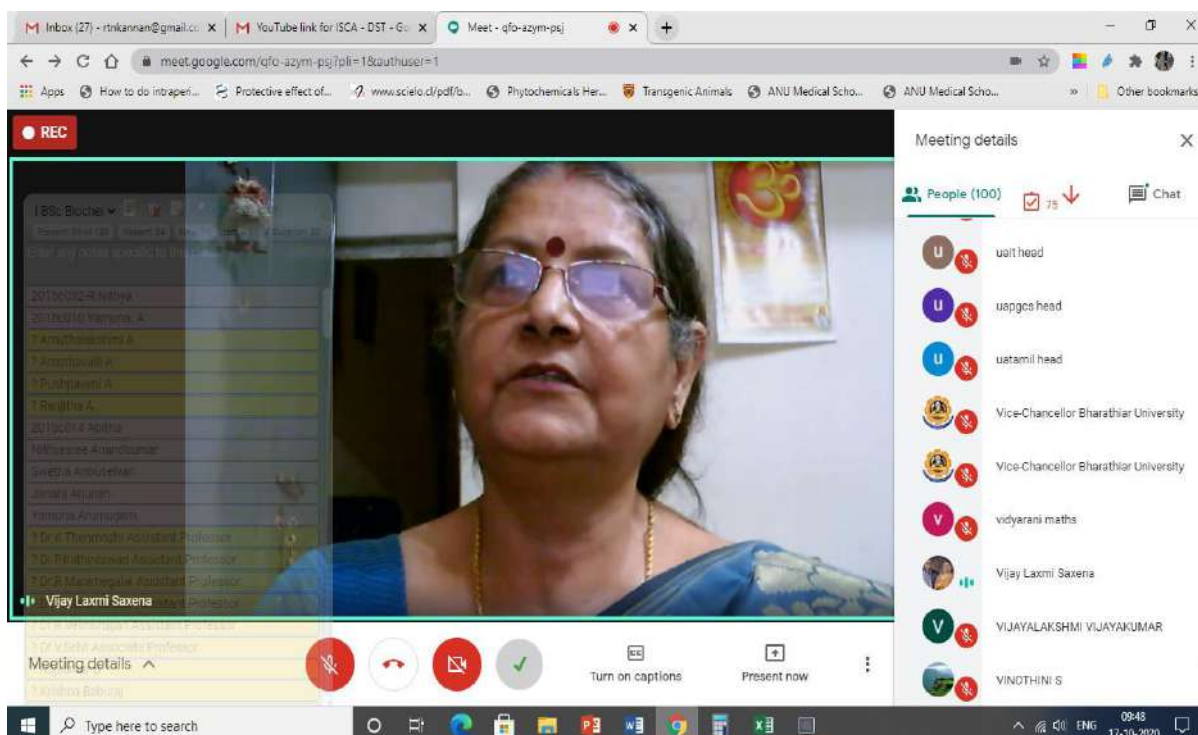
**Dr. R. B. Subramanian, Professor, BRD School of Biosciences, Sardar Patel University, Gujarat** on “Strobilurin and their role in plant defense and

development”. He emphasized the effect of the natural product Strobilurin as fungicidal in plants followed by **Dr. R. Karvembu, Professor, Department of Chemistry, National Institute of Technology, Tiruchirappalli, Tamil Nadu** on the topic “Nanomaterials in Catalysis”. He explained the role of nanomaterials in chemical reactions as catalyst. The third talk on “Green Fluorescent Protein –A Nobel Prize winner for a discovery” by **Dr. N. Ayyaduri, Principal Scientist, Associate Professor –ACSIR, Biochemistry & Biotechnology, CSIR –Central Leather Research Institute, Chennai. Tamil Nadu.** He highlighted the importance of proteins as a marker for environmental toxicity. The last session was delivered by **Dr. M. Ramasubramanian, Chief Administrative Officer, IIM, Kashipur, Uttarkhand** on “Technology Innovations in Marine Warfare”. In his speech he explained the importance of science and technology in Navy during Warfield.

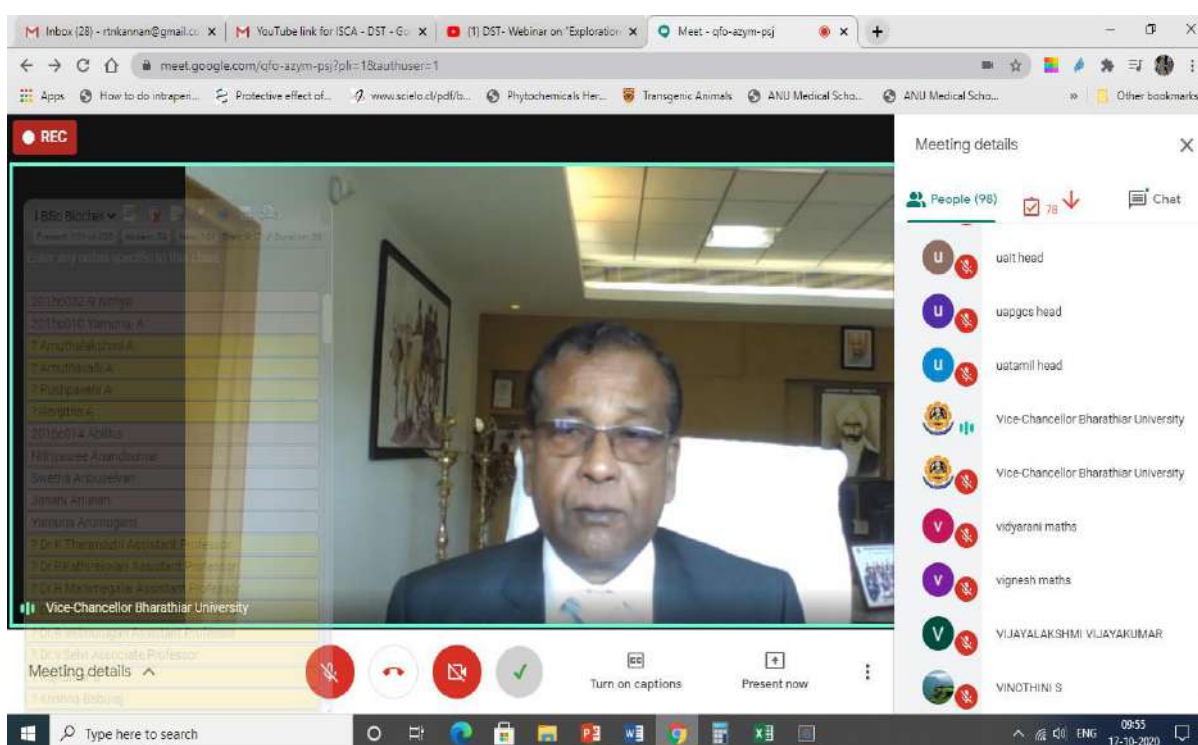
The sessions were ended with the vote of thanks by **Dr. Narendhirakannan R.T, Organizing Secretary** of the programme. There were around 100 participants attended in the google meet platform and more than 100 viewers listened through YouTube.



**Dr. C. A. Vasuki**, Convenor, ISCA Coimbatore Chapter and Secretary & Director of Kongunadu Arts and Science College, is delivering the welcome address

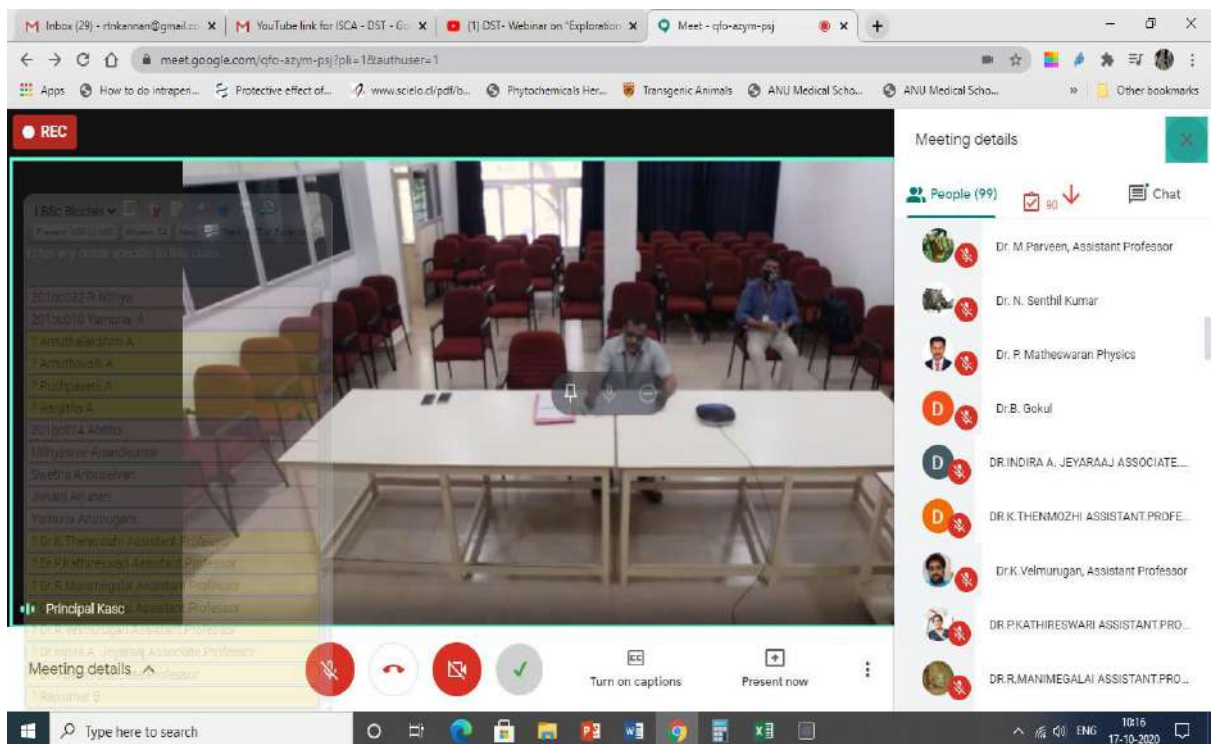


**Dr. Vijayalakshmi Saxena**, General President, Indian Science Congress Association while delivering the Presidential address



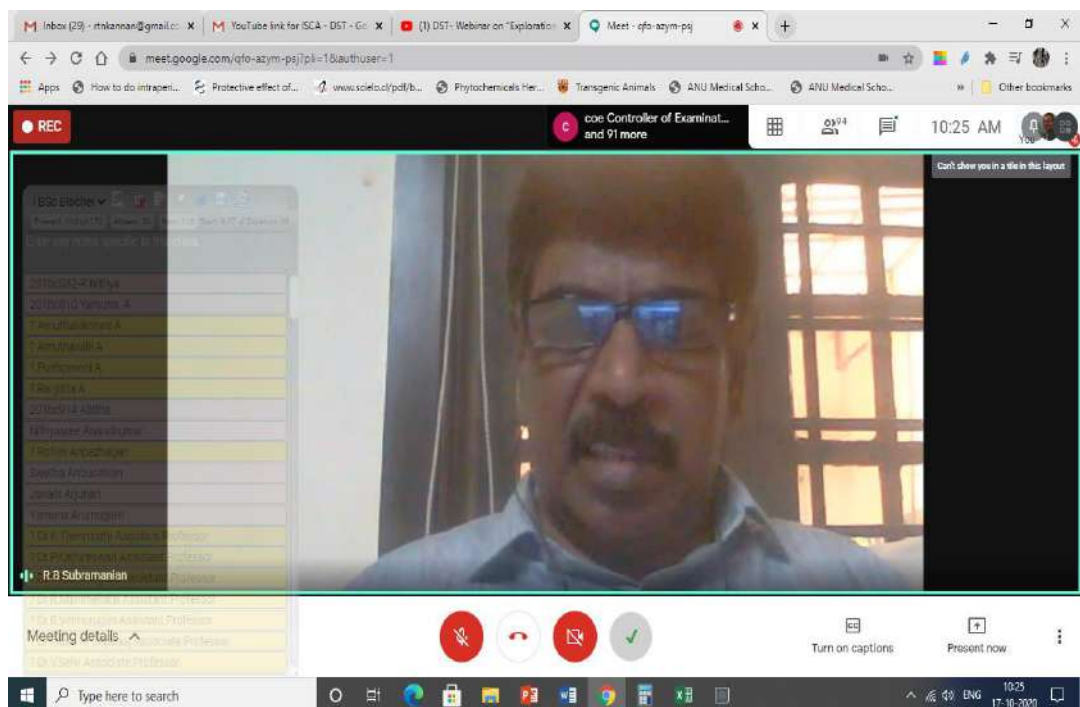
**Prof. Dr. P. Kaliraj**, Vice Chancellor, Bharathiar University, Coimbatore delivering the Inaugural address





**Dr. K. Lekshmanaswamy, Principal, Kongunadu Arts and Science College is proposing the vote of thanks.**

## Technical Sessions





Meeting details

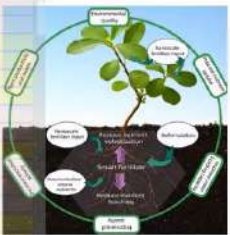
People (86)

Chat

Add people

R.B Subramanian is presenting

## Smart fertilizers



Biopolymer coated slow release fertilizers

Tailor made fertilizers for specific crops

Targetable fertilizers

Smart Fertilizers as a Strategy for Sustainable Agriculture

Meeting details

Type here to search

Meeting details

People (58)

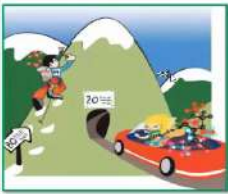
Chat

R Karvembu is presenting

## Introduction

CATALYST → WORK HORSES OF CHEMICAL TRANSFORMATIONS IN THE INDUSTRY

Approximately 85–90% of the products of chemical industry are made in catalytic processes



Alternative, energetically favorable mechanism

Industrially feasible conditions of pressure and temperature

Meeting details

Type here to search


Meeting details

People (64)

Chat

R Karvembu is presenting

## Nanomaterials in Catalysis



17 October 2020

R. Karvembu

Department of Chemistry, National Institute of Technology Tiruchirappalli – 620015, India

Meeting details

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## ***PROGRAMME – 2***

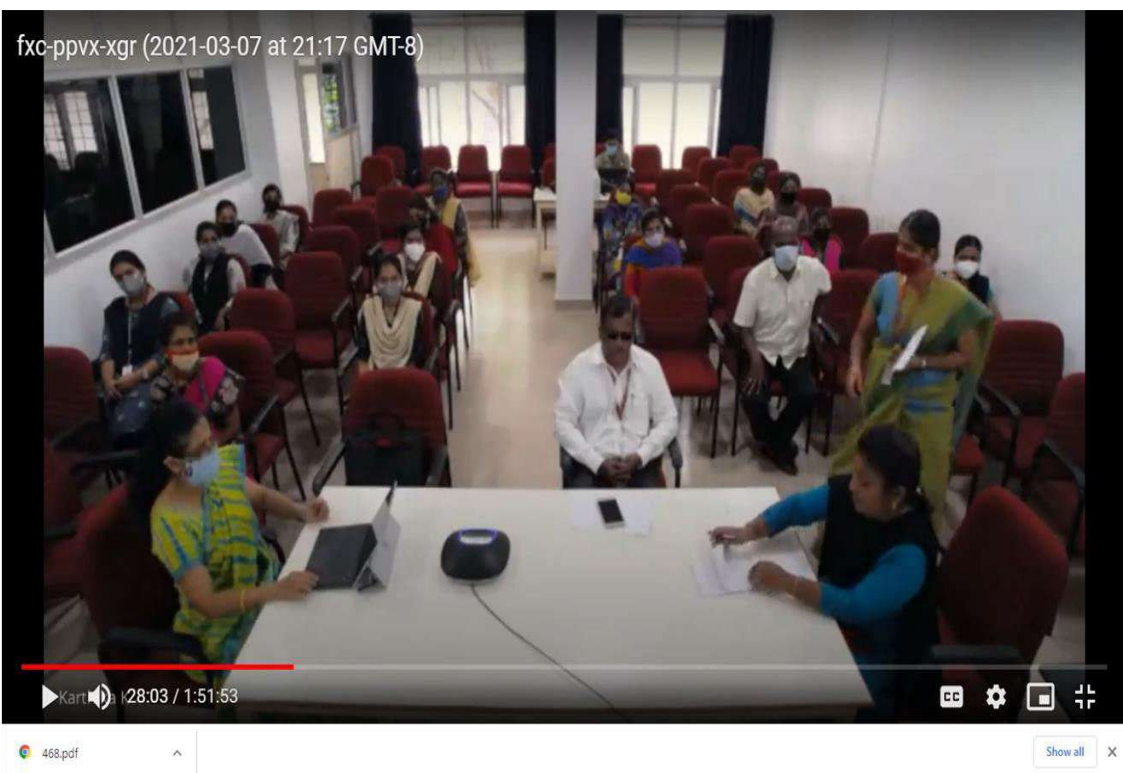
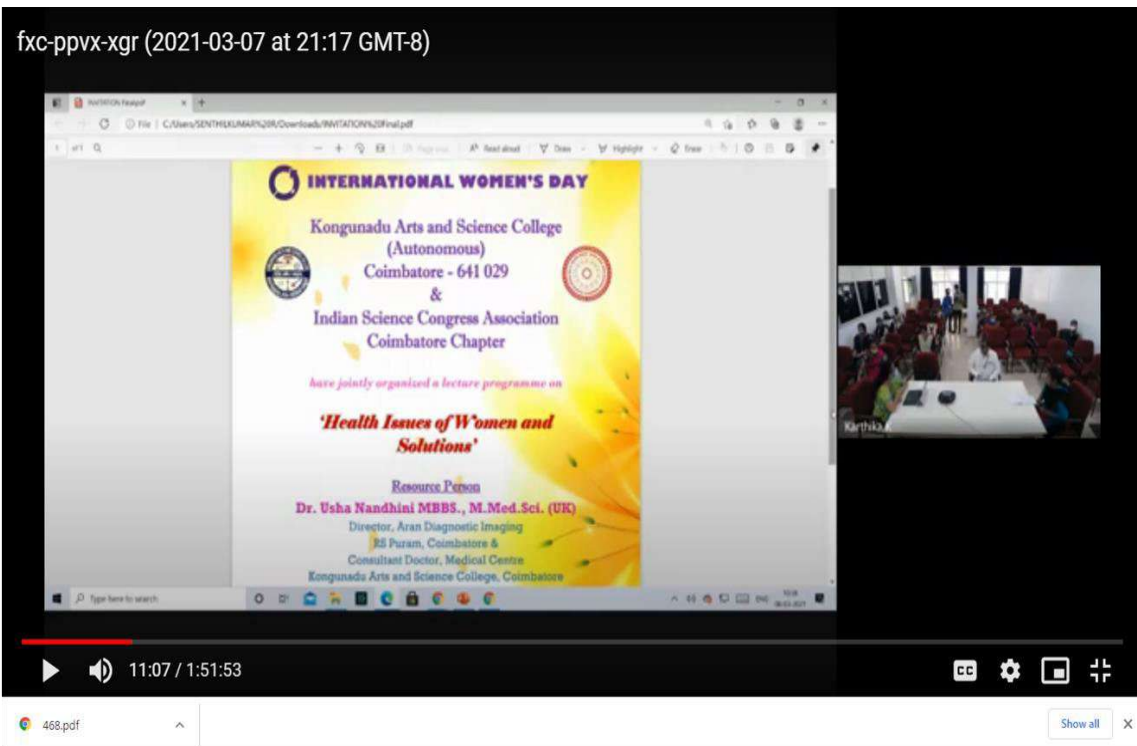
***Special lecture on ‘Health Issues of  
Women and Solution’***

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## **PROGRAMME – 2**

### **Special Lecture ‘Health Issues of Women and Solution’**

Kongunadu Arts and Science College, Coimbatore in association with Indian Science Congress Association, Coimbatore Chapter has organized a lecture programme on 08/03/2021 at 11.00 am through online mode. **Dr. Usha Nandhini, Director, ARAN Diagnostic Imaging, Coimbatore and Consultant Doctor, Kongunadu Arts Science College** was the guest, delivered a lecture on the topic ‘Health Issues of Women and Solution’. She explained the common health issues of women like anaemia, menopause, hair fall, breast cancer, *etc.* in her speech. To overcome all these problems, she demonstrated the possible ways and means in terms of safety medicines, diet and physical exercises. She described all these issues and solutions with adequate case studies. Using power point, she presented the lecture. Earlier, **Dr. S. Paulsamy, Dean, R&D, Kongunadu Arts Science College and Treasurer, Indian Science Congress Association, Coimbatore Chapter** welcomed the gathering. **Dr.M. Lakshmanasamy, Principal of Kongunadu Arts Science College** presided over the function. **Dr.C.A. Vasuki, Secretary and Director and Convener, Coimbatore Chapter, Indian Science Congress Association,** inaugurated the programme. After the lecture, **Dr. K. Karthika, Assistant Professor of Botany, Kongunadu Arts Science College,** proposed vote of thanks. A total number of 182 women participants attended and got benefit out of this programme.



**Lecture through online mode in conference hall.**

**A minimum number of participants attend the programme in person by following social distancing and wearing mask.**

fxc-ppv-xgr (2021-03-07 at 21:17 GMT-8)

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "Women and heart disease - Yes, gender". The slide content includes:

- A quote: "The fact is written on the wall - heart disease stands as the leading cause of death among women."
- Infographic text: "Cardiovascular diseases cause 1 in 3 women's deaths, every year."
- Statistics: "44 million women live with heart disease" and "90% of women have more risk factors for heart disease or stroke".
- Additional text: "Women have a higher lifetime risk of stroke than men." and "64% of women who die suddenly of coronary heart disease have no previous symptoms."
- Bottom text: "80% of heart disease and stroke events may be prevented by lifestyle changes and education."

The Zoom interface shows a video feed of a classroom on the right, a "Next slide" preview on the left, and a playback bar at the bottom indicating 44:01 / 1:51:53.

fxc-ppv-xgr (2021-03-07 at 21:17 GMT-8)

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide with the following text:

- "Every Women's aim should be....."
- "Long life and Happy life"
- "Wish you all a very happy Women's day - 8<sup>th</sup> march 2021"
- "Thanks to the Secretary, organising team KASC Audience & Students"
- "Dr Usha Anbarasu ARAN diagnostic imaging, RS puram, Coimbatore. aranscans.com"

The Zoom interface shows a video feed of a classroom on the right, a "Next slide" preview on the left, and a playback bar at the bottom indicating 1:39:55 / 1:51:53.



## ***PROGRAMME – 3***

***National webinar on ‘Science & Society’  
(Science Day Celebrations-2021)***

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### **PROGRAMME – 3**

#### **NATIONAL WEBINAR ON ‘SCIENCE & SOCIETY’**

#### **(SCIENCE DAY CELEBRATIONS-2021)**

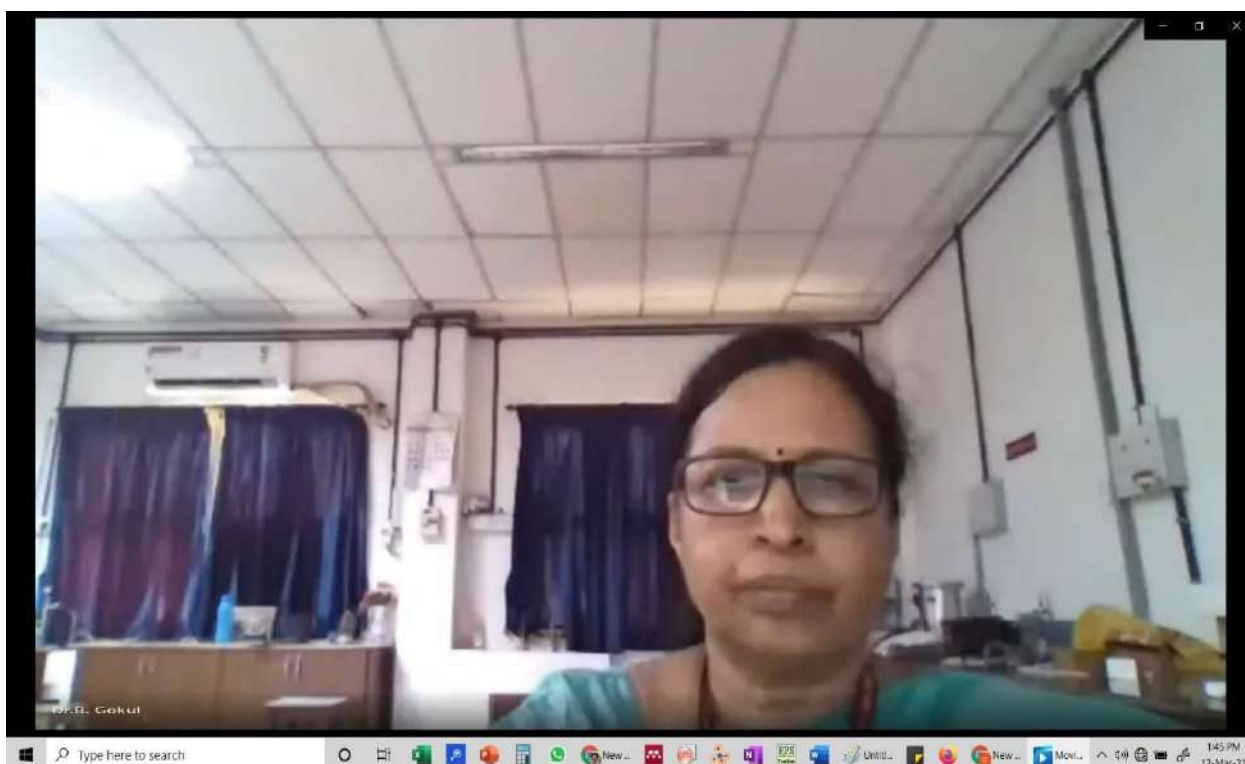
National webinar on ‘SCIENCE & SOCIETY’ was conducted on 9<sup>th</sup> March 2021 on account of Science Day Celebrations. Department of Physics and Indian Science Congress Association, Coimbatore Chapter jointly organized the webinar and all UG, PG and Research scholars of Physics department attended the webinar.

The programme started by gracing the occasion with spiritual vibes, followed by the welcome address delivered by **Dr.M.Dhanam, Associate Professor and Head, Department of Physics. Dean, Research &Development, Dr.S. Paulsamy and Dean, Academics, Dr.S.R. Madhan Shankar** felicitated the gathering. **Principal, Dr.M. Lekeshmanaswamy** presided over the webinar and delivered the presidential address.

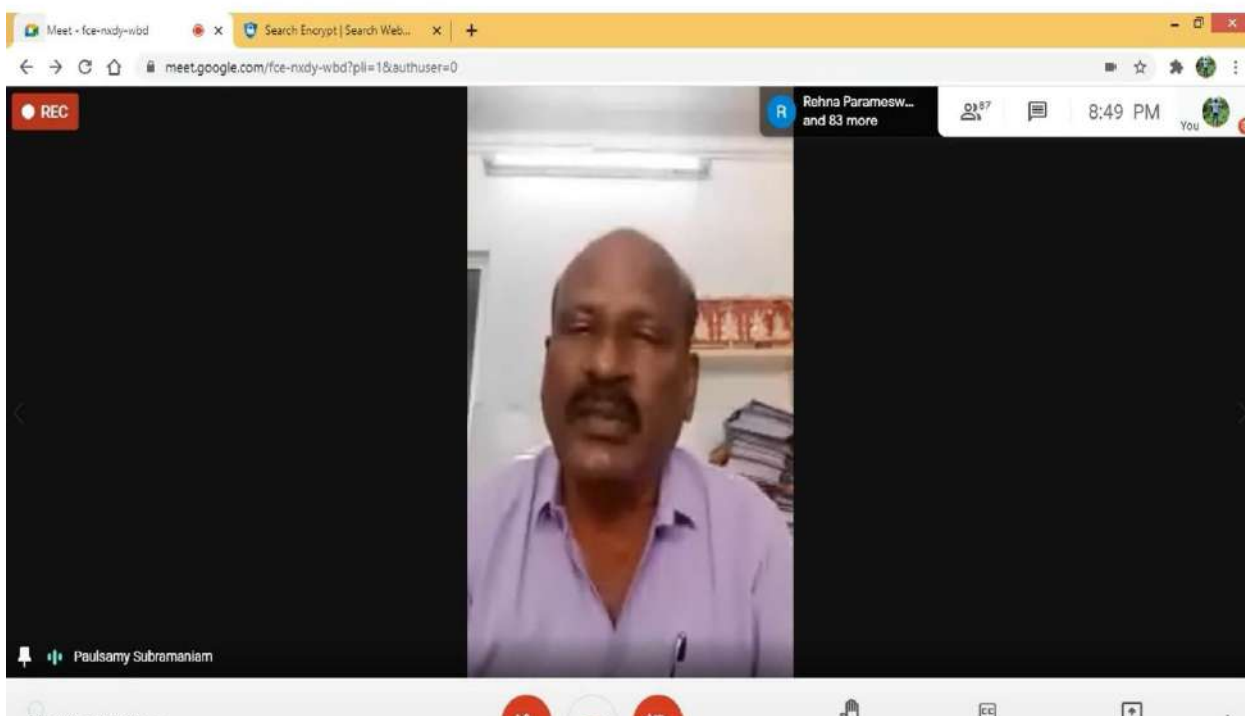
The first technical session was handled by **Dr.J.R. Pazhaniswami, District Science Officer, Regional Science Centre, Coimbatore** and delivered a talk on ‘Science and Society’. He pointed out the various opportunities in research areas and the various institutions for taking up research. The second technical session was taken over by **Dr.B. Ramakrishnan, Assistant Professor, Department of Wildlife Biology, Government Arts College, Udhagamandalam** who spoke on ‘Human-Elephant conflict issues- Current scenario’. His lively experiences with elephants and a colorful presentation made the students understand how we can care the elephants of our place.

The third session was taken up by **Dr.S. Kumaresan, Assistant Professor, Department of Physics, A.A Government Arts College, Cheyyar** who spoke on ‘Illusions of the Research: Raman, a torch bearer’. He gave the beautiful idea of research by pointing out that good research needs good and high thinking and a lot of hard work. The celebration was ended with a vote of thanks by **Dr.A.Anu Kaliani, Associate Professor, Department of Physics, Kongunadu Arts and Science College, Coimbatore**. A total number of 240 participants attended and got benefit out of this programme.

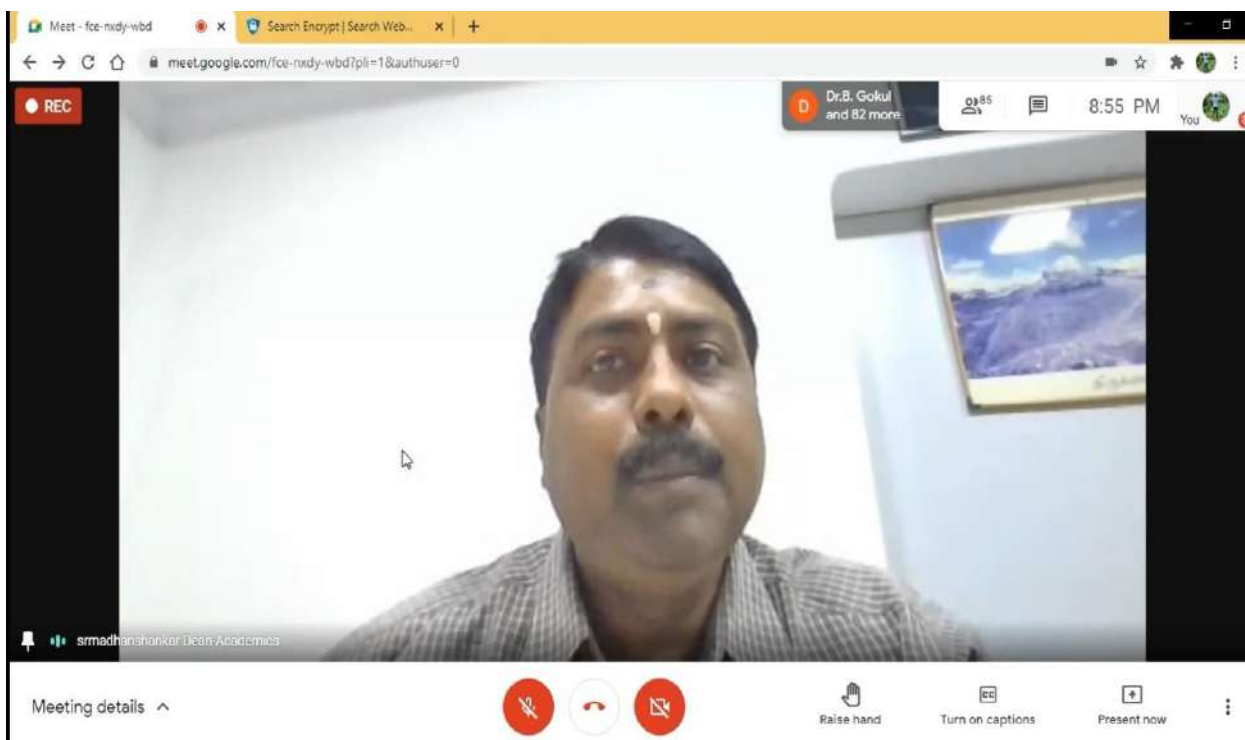




**Welcome address by Dr.M. Dhanam, Associate Professor and Head, Department of Physics, KASC, Coimbatore.**



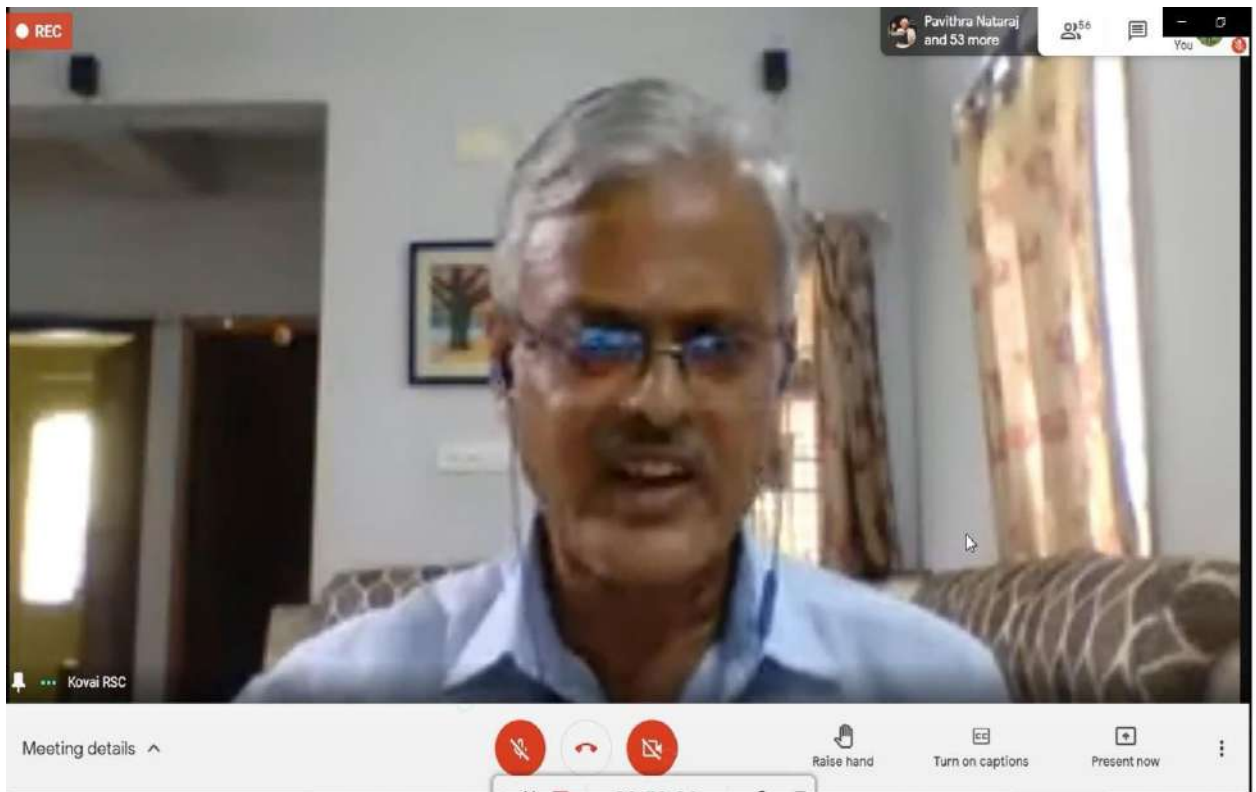
**Felicitations by Dr.S.Paulsamy, Dean, Research & Development, KASC, Coimbatore.**



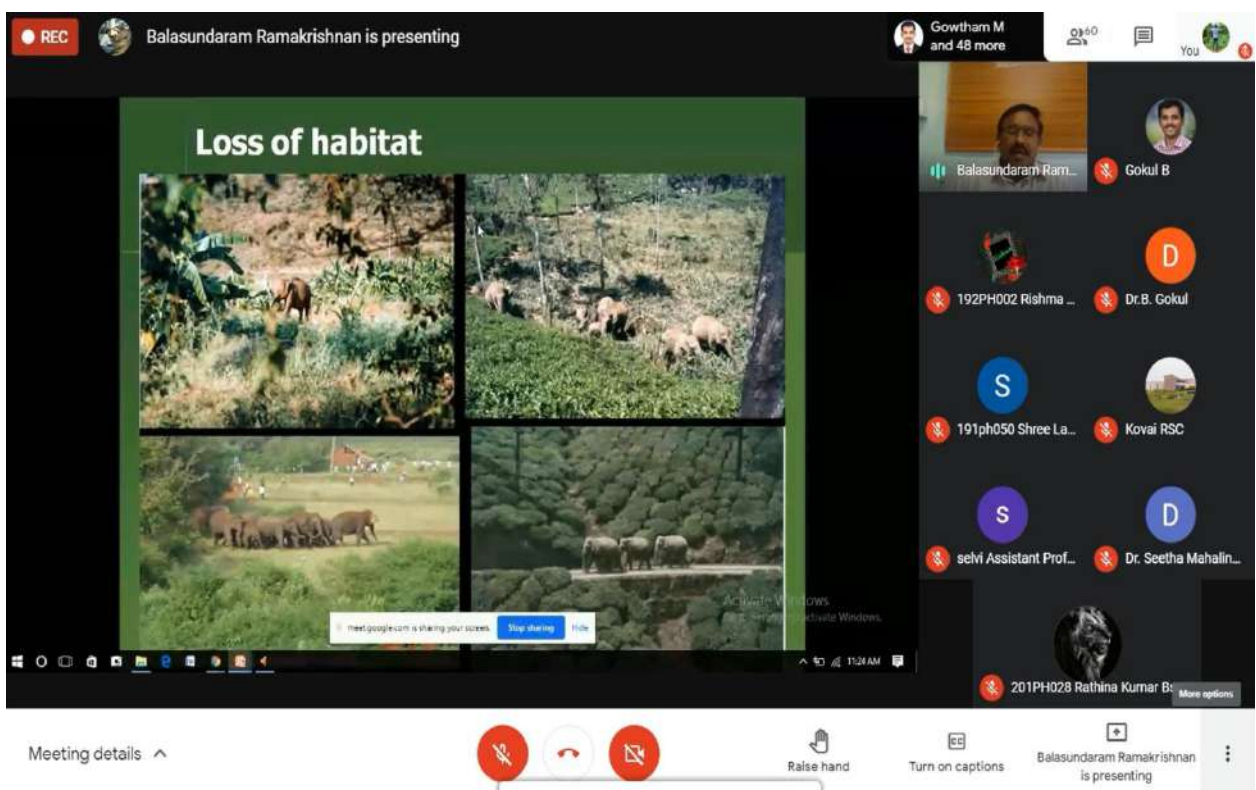
**Felicitation by Dr.S.R.Madhan Shankar, Dean, Academics, KASC, Coimbatore.**



**Presidential Address by Dr.M.Lekshmanaswamy, Principal, KASC, Coimbatore.**

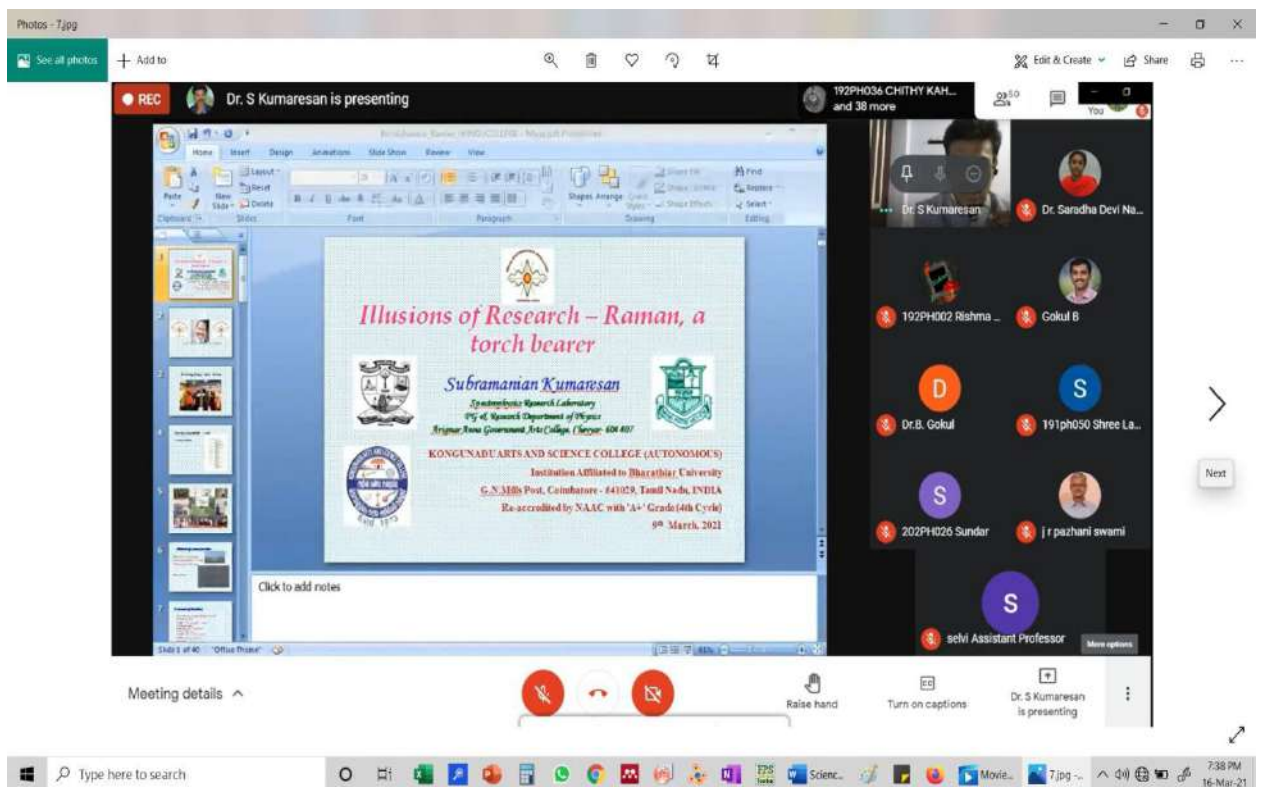


**1<sup>st</sup> session “Science and Society” by Dr.J.R. Pazhaniswami, District Science Officer, Regional Science Centre, Coimbatore.**

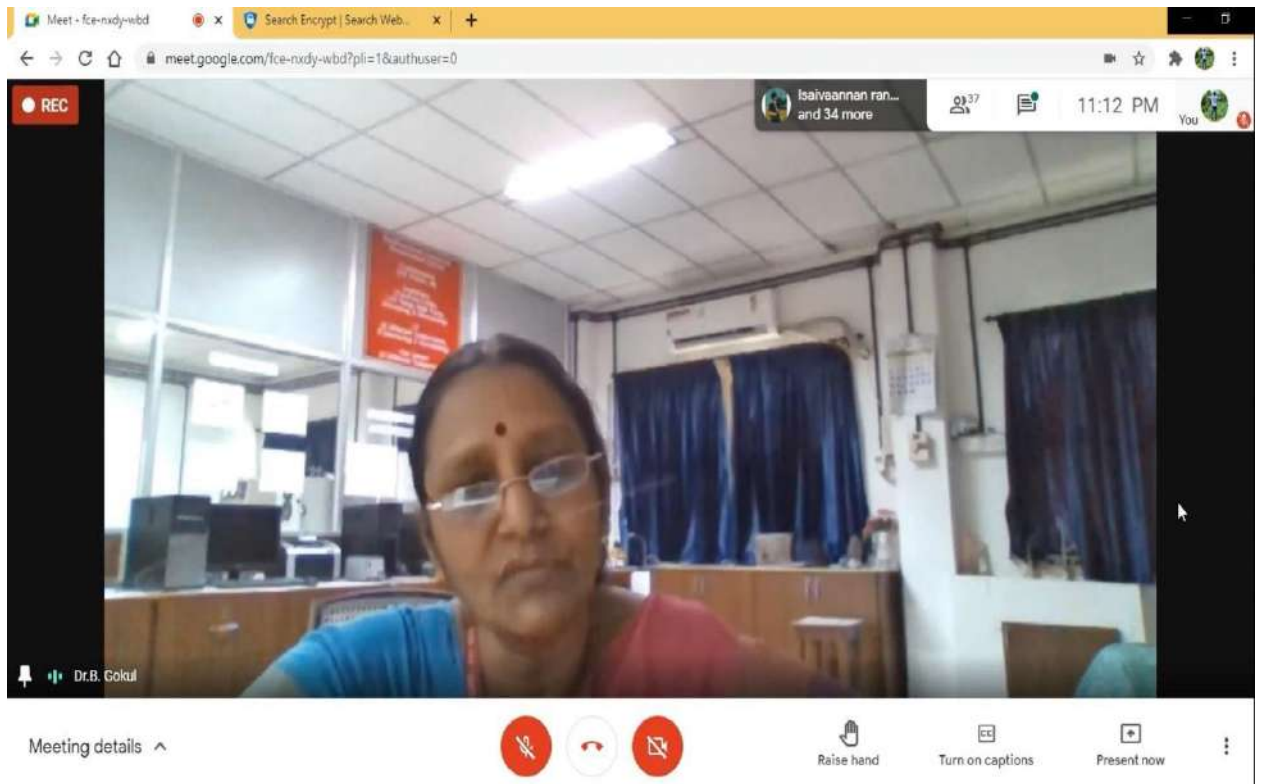


**2<sup>nd</sup> session ‘Human-Elephant conflict issues- Current scenario’ by Dr.B. Ramakrishnan, Assistant Professor, Department of Wildlife Biology, Government Arts College, Udthagamandalam.**





**3<sup>rd</sup> session 'Illusions of the Research: Raman, a torch bearer' by Dr.S. Kumareshan, Assistant Professor, Department of Physics, A.A Government Arts College, Cheyyar.**



**Vote of thanks by Dr.A. Anu Kaliani, Associate Professor, Department of Physics, KASC, Coimbatore.**