

## REPORT ON ONE DAY INTERNATIONAL WEBIAR

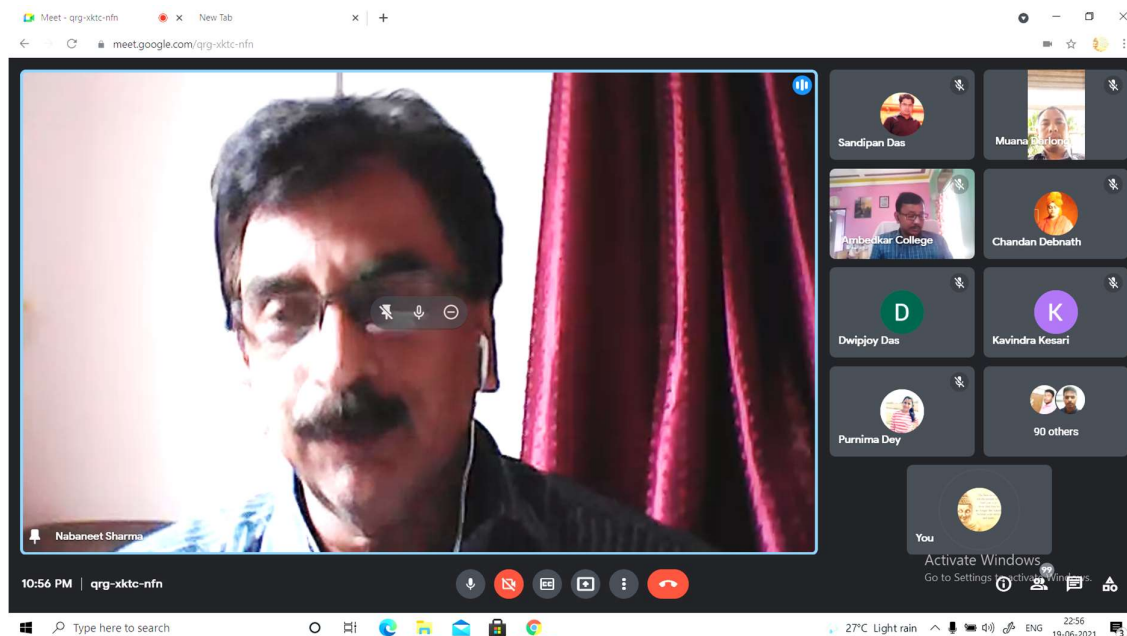
### “COVID-19 OUTBREAK AND HEALTH: RECENT TRENDS”

Date: 20<sup>th</sup> JUNE 2021

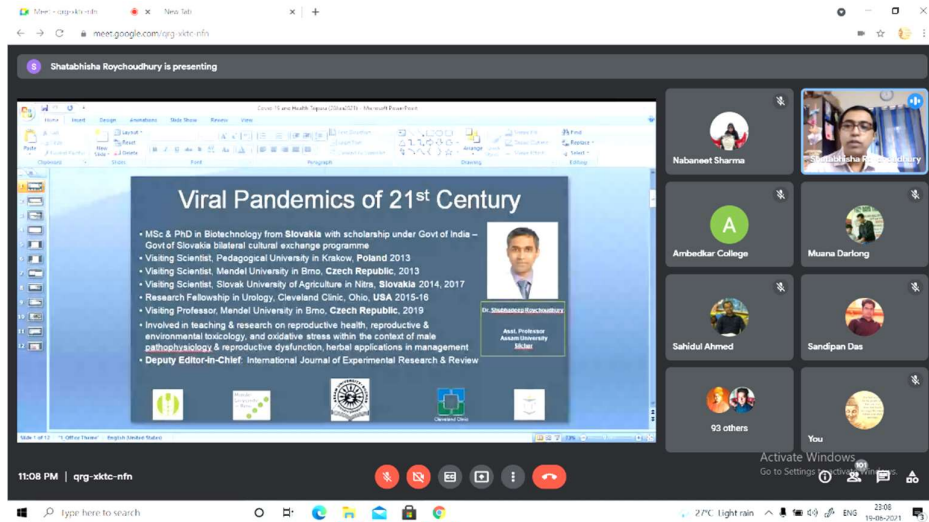
Department of Zoology and IQC of Ambedkar College organized a one day International webinar on “Covid-19 outbreak and health: recent trends” on 20<sup>th</sup> June 2021 in online platform (Google meet) and total number of registered participants is 188. The seminar focused on prevention and management of COVID-19 pandemic. The programme started sharp at 11:00 am with the inauguration of virtual holy lamp and inaugural speech by Shri. Nripendra Chandra Sharma, Hon’ble Director of Higher Education, Government of Tripura.

With the welcome address by Mr. Sandipan Das, Department of Zoology, Ambedkar College, the journey of webinar initiated. The dignitaries on the dias were Dr. Shubhadeep Roychoudhury, Assam University, Silchar, Dr. Shatabhisa Roychoudhury, R.G Kar Medical College, West Bengal, Dr. Kavindra Kumar Kasari, Senior Scientist, Alato University, Finland and Dr. Abhijit Datta, Dr. B.R Ambedkar University, Delhi NCR.

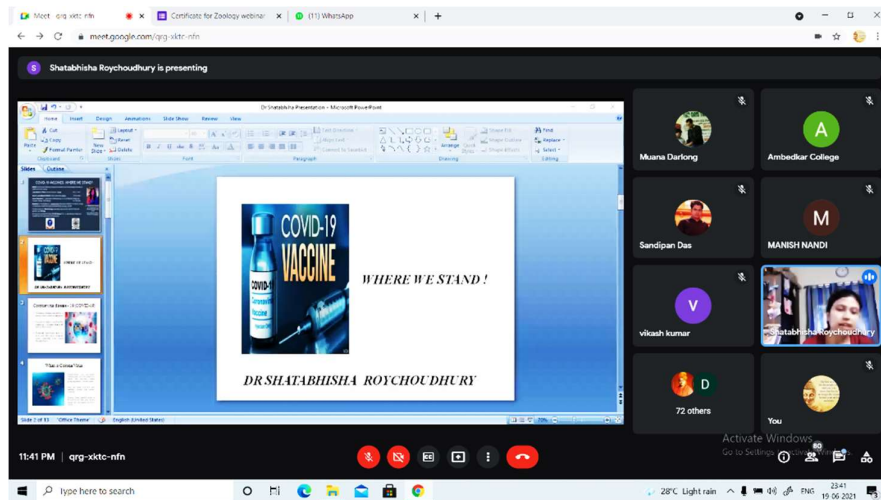
The poster features the Ambedkar College logo (ESTD 1971) and the title "INTERNATIONAL WEBINAR ON Covid-19 outbreak and health: Recent trends". It lists the Chief Patron as Shri N. C. Sharma, TCS, SSG, Director, Higher Education, Govt. of Tripura. The event is jointly organized by the Dept. of Zoology & IQAC, Ambedkar College. The Resource Persons include Dr. Shubhadeep Roychoudhury (Assam University, Silchar), Dr. Shatabhisa Roychoudhury (R.G. Kar Medical College & Hospital, Kolkata), Dr. Kavindra Kumar Kasari (Senior Scientist, Alato University, Espoo, Finland), and Dr. Abhijit Datta (Cranio Maxillofacial Surgery, Dr. B.R. Ambedkar University, Delhi NCR). The poster also states the pivotal objective: to take measures against the omicron virus (COVID-19) by awakening the masses and pointing them with apt hygiene related information. It lists the Organizing Committee (President: Dr. Subrata Sharma, Principal In-Charge, Ambedkar College, Fatikroy; Organizing Secretary: Rajat Debnath, Department of Zoology) and Conveners (Dr. Chandan Debnath, Dept. of Physics, Convener, IQAC; Sri Sandipan Das, Department of Zoology). The date is 20<sup>th</sup> June 2021, 11 a.m. onwards. The registration link is <https://meet.google.com/qrg-xktc-nfn>.



**1<sup>st</sup> Speaker-**Dr. Shubhadeep Roychoudhury, talked about the viral pandemic of the twenty first century, and major challenges of Covid-19 outbreak, within his talk he also pointed out the most pandemic sensitive areas of the globe.



**2<sup>nd</sup> Speaker-** Dr. Shatabhisa Roychoudhury, give special emphasis on vaccination and its benefits. She also encouraged participants to take vaccine jab as soon as possible and discussed about myths regarding the vaccination in India. She also answered the questions asked by the participants after the completion of her talk.



**3<sup>rd</sup> Speaker-** Dr. Kavindra Kumar Kasari, gave lecture on Environmental mutagenic factors and its impact of human health. He talked about radiation of mobiles, and suggested to minimize the use of mobile phone.

**BASIC RESEARCH**  
 The therapeutic effect of a pulsed electromagnetic field on the reproductive patterns of male Wistar rats exposed to a 2.45-GHz microwave field  
 Sanjay Kumar, Kavindra Kumar Kesari, Jitendra Bahan

**Figure 1: Sperm count (Million/ml)**

Group	Sperm count (Million/ml)
1.45 GHz microwave exposed	~100
2.45 GHz microwave exposed	~100
2.45 GHz + PEMP	~100
2.45 GHz + PEMP	~100

**Figure 2: Luteinized serum estradiol (ng/ml)**

Group	Luteinized serum estradiol (ng/ml)
1.45 GHz microwave exposed	~1.5
2.45 GHz microwave exposed	~1.5
2.45 GHz + PEMP	~1.5
2.45 GHz + PEMP	~1.5

**Biological Mechanism:**  
 Microwave mobile phone frequency → Free radical generation → Oxidative stress → Induced catalytic enzyme → Elimination of ROS (Reduction in oxidative stress) → Antioxidant activity of enzymes → Development

**4<sup>th</sup> Speaker-** Dr. Abhijit Datta, talked about the symptoms, diagnosis and prevention of Covid-19. He talked about the post Covid symptoms and treatment and also added black fungus outbreak. Like other speaker he also addresses plenty of questions that were asked by the participants.

**MODES OF TRANSMISSION**

**Direct Contact:** SNEEZE/COUGH BY INFECTED PERSON → INFECTED DROPLETS → AND WHEN TOUCH ANY SURFACE OR PERSON → VIRUS TRANSFERRED

**Indirect Contact:** SNEEZE/COUGH BY INFECTED PERSON → INFECTED DROPLETS → INFECTED DROPLETS GET ON YOUR HAND → VIRUS TRANSFERRED

The programme wrapped up around 2:30 PM with the vote of thanks which was given by Dr. Subrata sharma, Principal, Ambedkar College, Fatikroy.