



Webinar report

(Role of Biotechnology in Covid-19 Pandemic: Issues and Challenges)

The International Webinar Series on 'Role of Biotechnology in Covid-19 Pandemic: Issues and Challenges' was held during 11th to 13th June, 2020. This program was jointly organized by Departments of Botany, Zoology, Industrial Fish & Fisheries and Molecular Biology of Brahmananda Keshab Chandra College, Kolkata. The webinar platforms Zoom and Facebook live were used for successful online live streaming of the program.

The circulation of Webinar program schedule and process registration for interested participants all over the globe was started on 04.06.2020 with the registration link <https://forms.gle/4MA3LT1464iKBjG88>. The registration was free of cost and mandatory for receiving E-certificate of participation. The invitation and Webinar Meeting Code for Zoom and FB live was sent to the email of each registered participants.

A total of nine eminent scientists and academicians from four different countries like Canada, USA, Bangladesh, and India were invited to deliver their talk and share their vast experience on the subject area of this webinar.

Day-1 (11.06.2020)

The Webinar was inaugurated by Dr. Papia Chakraborti, Principal, Brahmananda Keshab Chandra College, Kolkata with the Welcome Address at 5:45pm.

The first eminent speaker was Dr. Sebanti Gupta, Assistant Professor, Yenepoya Research Centre Mangalore, Karnataka, India. She delivered her talk on 'Viral proteins involved in COVID-19 infection: Possible epitopes in vaccine and drug designing'.

The second eminent speaker was Dr. Subhabrata Moitra, Post Doctoral Fellow, Division of Pulmonary Medicine, University of Alberta, Edmonton, Canada. He gave the lecture on the topic entitled 'COVID and Acute Respiratory Distress Syndrome'.

Each of these scientific lecture sessions were followed by question-answer and extensive interaction of participants and the eminent speakers. The eminent speakers very lucidly explained to the participants and answered all questions. The speakers were introduced by Dr. Suchismita Chakraborty while the interactive session and the rest of the program of Day-2 was brilliantly anchored by Dr. Biswarupa Ghosh, Assistant Professor, Department of Botany.

The Day-1 program was accomplished at 9.00 pm.

Day 1 YouTube link: <https://youtu.be/P64GOeFT9xl>

Day-2 (12.06.2020)

The Day-2 program commenced at 9:30 am with the lecture of Dr. Kenneth S. Shindler, Associate Professor, Department of Ophthalmology and Neurology, University of Pennsylvania Scheie Eye Institute Philadelphia, USA. Dr. Shindler delivered his talk on the topic entitled 'COVID-19: Clinical perspectives'.

The second eminent speaker of Day-2 was Dr. Jayashri Das Sarma, Professor, Department of Biological Sciences Indian Institute of Science Education and Research, Kolkata, India. Dr. Das Sharma is also associated with Department of Ophthalmology University of Pennsylvania, Philadelphia, USA as an Adjunct Associate Professor. She conveyed her lecture on the topic entitled 'Spike protein in Coronavirus pathogenesis: Insights from decades-long studies'.

The third eminent speaker was Dr. Ravi Mahalingam, Research Professor, Department of Neurology University of Colorado, Denver-Anschutz Medical Campus Colorado, USA. He elucidated the topic 'Nonhuman primate models: Understanding the pathogenesis of COVID-19, SARS and MERS'.

Dr. Debnath Pal, Professor, Department of Computational and Data Sciences, Indian Institute of Sciences, Bangalore, Karnataka, India was the next eminent speaker. He delivered the lecture on the topic 'In Silico structure function analysis states Coronavirus spike protein offer ideas for therapy design'.

Every scientific lecture session were followed by question-answer and extensive interaction of participants and the eminent speakers. The eminent speakers very lucidly explained to the participants and answered all questions. The entire program of Day-2 was beautifully anchored by Dr. Neelakshi Sarkar, Assistant Professor, Department of Zoology.

The Day-2 program was concluded at 12.30 pm.

Day 2 YouTube link: <https://youtu.be/Xivc-XPgkpw>

Day-3 (13.06.2020)

The Day-3 program was started at 5:30 pm with the lecture of eminent speaker Dr. Avik Biswas, Senior Scientific Officer (Grade II), Department of Signal Transduction and Biogenic Amines, Chittaranjan National Cancer Institute, Kolkata, India. He delivered the talk on the topic entitled 'Covid-19: Tracing the origin. Tracing the Challenge.'

The next eminent speaker Dr. Ferdousi Begum, Founder Director (NGO-DBTECH), Senior Adviser & Bangladesh Country Coordinator (Disability Rights Promotion International, Canada), Dhaka, Bangladesh. Dr. Begum elucidated the topic 'COVID-19 Fact: Bangladesh Health Care System'.

The final eminent speaker of Day-3 program was Dr. Saptarshi Chatterjee, Assistant Professor, Department of Microbiology, School of Life Science and Biotechnology, Adamas University, Kolkata, India. Dr. Chatterjee is also associated with the COVID-19 taskforce of his university. He delivered the lecture entitled 'COVID 19: Concern, Challenges & Intervention'.

The lecture sessions were followed by question-answer and extensive interaction of participants and the eminent speakers. The eminent speakers very lucidly explained to the participants and answered all questions. The entire program of Day-3 was very well anchored by Dr. Sandipan Gupta, Assistant Professor, Department of Industrial Fish and Fisheries.

The final day event was successfully accomplished at 8:30 pm.

Day 3 link: <https://youtu.be/WsQyy-PTbMM>

Dr. Suchismita Chakraborty, Associated Professor & Head Department of Botany, Brahmananda Keshab Chandra College, Kolkata acted as the Host for all 3 days of this international webinar series. Dr. Madhumita Roy, Assistant Professor, Department of Zoology, Brahmananda Keshab Chandra College, Kolkata acted as Co-Host for the entire event.

The organizing team members of the webinar from the Department of Botany include Dr. Sangita Gangopadhyay, Associate Professor, Dr. Dinesh Haldar, Associate Professor, Dr. Swapan Mandal, Assistant Professor, Dr. Biswarupa Ghosh, Assistant Professor, Dr. Dipanshu Kr. Vishwas, Assistant Professor, and Dr. Priyanka Dhar acted as members of the organizing committee from the Department of Botany.

Smt Debashree Golder, Assistant Professor, Dr. Shubhendu Bikash Patra, Assistant Professor, Dr. Neelakshi Sarkar, Assistant Professor, Dr. Soumalya Mukherjee, Assistant Professor, Dr. Santanu Debnath, Assistant Professor, Dr. Sourav Sikdar, Assistant Professor were acted as members of the organizing committee from the Department of Zoology.

Dr. Gangabrata Mukherjee, Associate Professor and Shri Kalpataru Halder, Assistant Professor acted as members of the organizing committee from the Department of Molecular Biology.

Dr. Sandipan Gupta, Assistant Professor acted as a member of the organizing committee from the Department of Industrial Fish and Fisheries.

A total of 200 participants including students, research scholars, faculty members and scientist from various universities and research institutes were registered for this webinar (Fig. 1).

■ Student/ Research scholar ■ Faculty/ Scientist

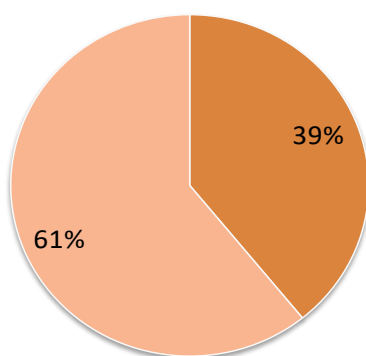


Fig. 1. Participants registered in the webinar

From this International Webinar Series on 'Role of Biotechnology in Covid-19 Pandemic: Issues and Challenges' we learned a great insight on the current challenges of COVID-19 which will definitely lead us towards formulation of novel strategies for efficient management of the pandemic.

WEBINAR ORGANIZING TEAM MEMBERS



Host: Dr. Suchismita Chakraborty, M.Sc., M.Phil., Ph.D.
Associate Professor and H.O.D.
Department of Botany

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Co-host: Dr. Madhumita Roy, M.Sc., Ph.D.
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Organizing team members Department of Botany

Dr. Sangita Gangopadhyay, M.Sc., M.Phil., Ph.D. Associate Professor	Dr. Bhimarupa Ghosh, M.Sc., Ph.D. Assistant Professor
Dr. Divyesh Halder, M.Sc., Ph.D. Associate Professor	Dr. Dipankar Kr. Vaidya, M.Sc., Ph.D. Assistant Professor
Dr. Swapnil Mandal, M.Sc., Ph.D. Assistant Professor	Dr. Priyanka Dhar, M.Sc., Ph.D. Assistant Professor

Organizing team members Department of Zoology

Smt. Debashree Gaiter, M.Sc. Assistant Professor and H.O.D.	Dr. Soumitra Mukherjee, M.Sc., Ph.D. Assistant Professor
Dr. Skotkendu Bhask Patra, M.Sc., Ph.D. Assistant Professor	Dr. Santanu Debnath, Ph.D., FICCB, FMSET Assistant Professor
Dr. Neelakshi Sarkar, M.Sc., Ph.D. Assistant Professor	Dr. Sonam Saha, M.Sc., Ph.D. Assistant Professor

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WELCOME ADDRESS

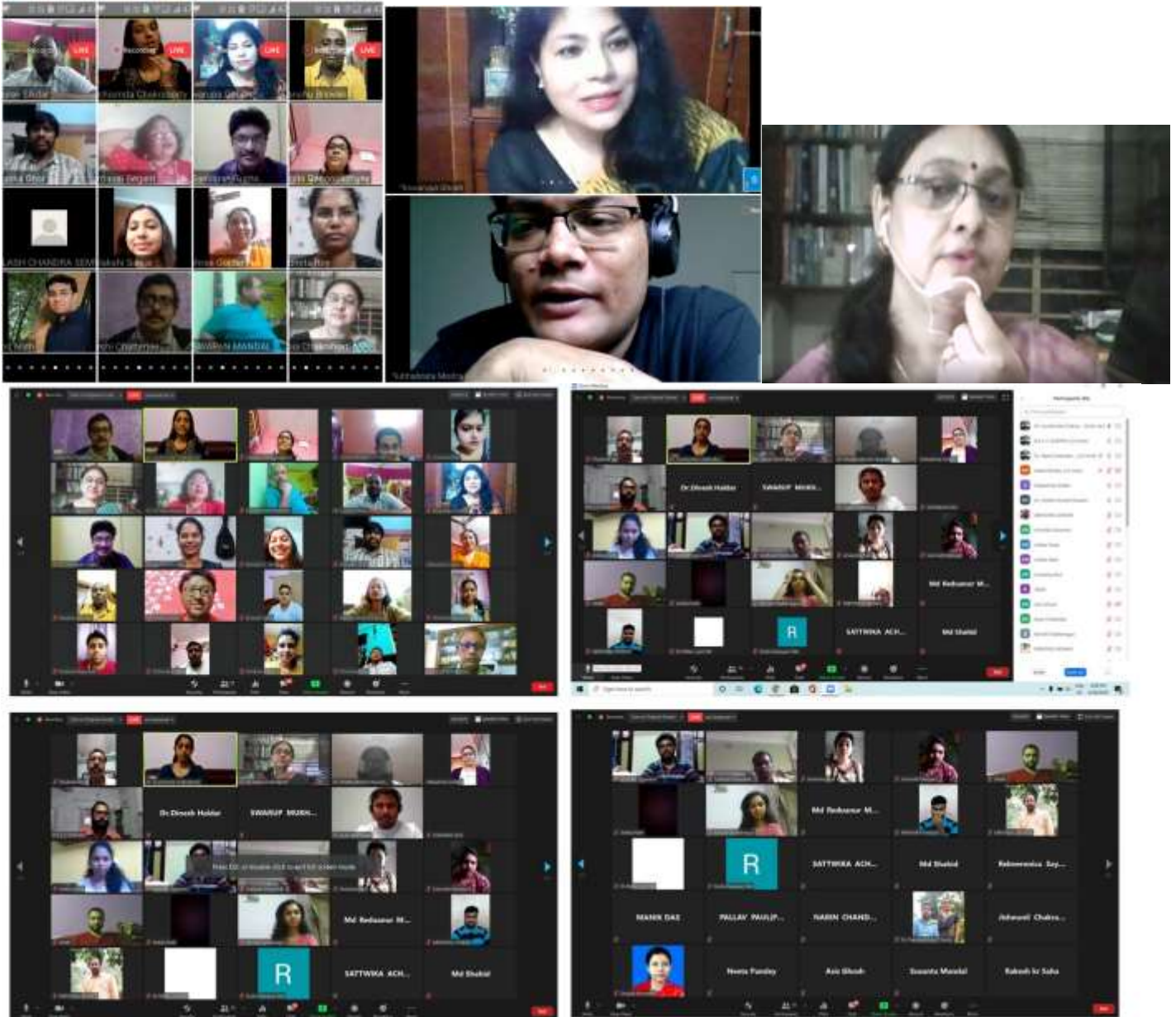
Time: 5:45 pm



Dr. Papia Chakraborti
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SEMINAR SCREENSHOTS W



Speakers: DAY 1



Speakers: DAY 3



Speakers: DAY 2

