

**DEPARTMENT OF BIOTECHNOLOGY  
EMEA COLLEGE OF ARTS AND SCIENCE**

**REPORT**

NATIONAL WEBINAR  
ON

*Production and Distribution of Covid vaccines &  
Intellectual Property Rights*

26 May 2021, 7PM

RESOURCE PERSON

**Dr. Sudhakar Sivasubramanniam**

Professor, Department of Biotechnology  
M.S. University, Tirunelveli, Tamil Nadu

Co-ordinator: Dr. Mashoor K., Convenor: Ms.Rameesa. K  
Student convenor : Mr.Ajmal Shuhaib.K.P

# REPORT

## NATIONAL WEBINAR

ON

# *Production and Distribution of Covid Vaccines & Intellectual Property Rights*

26 May 2021, 7PM

### PREAMBLE:

The Department of Biotechnology in association with the IQAC EMEA College of Arts and Science organized a national webinar on “Production and distribution of covid vaccines and intellectual property rights” for the students, scholars and faculties.

It was organized to make awareness on the concept of covid vaccine and its designing and distribution in the present pandemic situation all over the world. HOD, Dr. K. Mashoor, Department of Biotechnology coordinated the webinar and Dr. Somy Soman, Ms. Shillydas.A and Ms. Rameesa K were the convenors. Dr. Sudhakar Sivasubramanniam, Professor, Department of Biotechnology were invited for lecture.

A link was created half an hour before through Google meet and the webinar session started by 7.00 pm. Dr. Mashoor K, HOD delivered the welcome speech. The program was inaugurated by Dr. Ibrahim Cholakkal, Principal, EMEA College. Last half an hour was for the Q&A session. The programme came to an end by 9.30 pm with the vote of thanks by Dr. Somy Soman. Almost 86 participants were there including the students and faculty of other colleges.

### Content of the talk:

The resource person Dr. Sudhakar Sivasubramanniam sir started his talk by patent history and the first vaccination process against small pox and cow pox in earlier days. Then he moves on to the eminent scientists behind vaccination against different viral diseases. He then discussed the current scenario we are facing today- the covid disease and our defence system against these kinds of viruses. Later he explained the structure

and detailed pathophysiology of covid 19virus. He also explained how different variants or mutants of virus is formed and its frequent revival like first,second and third wave of disease. Then he moves on to the different types of vaccines commercially available with their comparative effectiveness in patients. Later he discussed the topic regarding intellectual property rights on vaccines and list of patents on different vaccines like Novavax, Covaxin, Covishield, Sputnik, Moderna, Pfizer etc. Finally, he concluded the topic with the importance of social distancing, wearing mask and proper sanitisation in preventing the disease and above all the significance of vaccination. His talk proved to be more worthy for understanding the concept of vaccination.

Question and Answer session really proved worthy and improved the quality of the session. It was a wonderful experience and exposure to the participants in the program.



**DEPARTMENT OF BIOTECHNOLOGY**  
EMEA COLLEGE OF ARTS AND SCIENCE



# NATIONAL WEBINAR

**Topic: Production and Distribution of Covid Vaccines and Intellectual Property Rights**



Resource Person

**Dr. Sudhakar Sivasubramaniam**  
Professor, Department of Biotechnology  
MS University, Tirunelveli



Inauguration

**Dr. Ibrahim Cholakkal**  
Principal  
EMEA College



**26 May 2021**  
7PM | WEDNESDAY



 **Google Meet**

*In association with:*

## IQAC

Internal Quality Assurance Cell  
EMEA COLLEGE OF ARTS & SCIENCE  
Reaccredited with A grade by NAAC  
Kumminiparamba PO, Kondotti, Malappuram

Coordinator

**Dr. Mashhoor K**  
9947 869 914

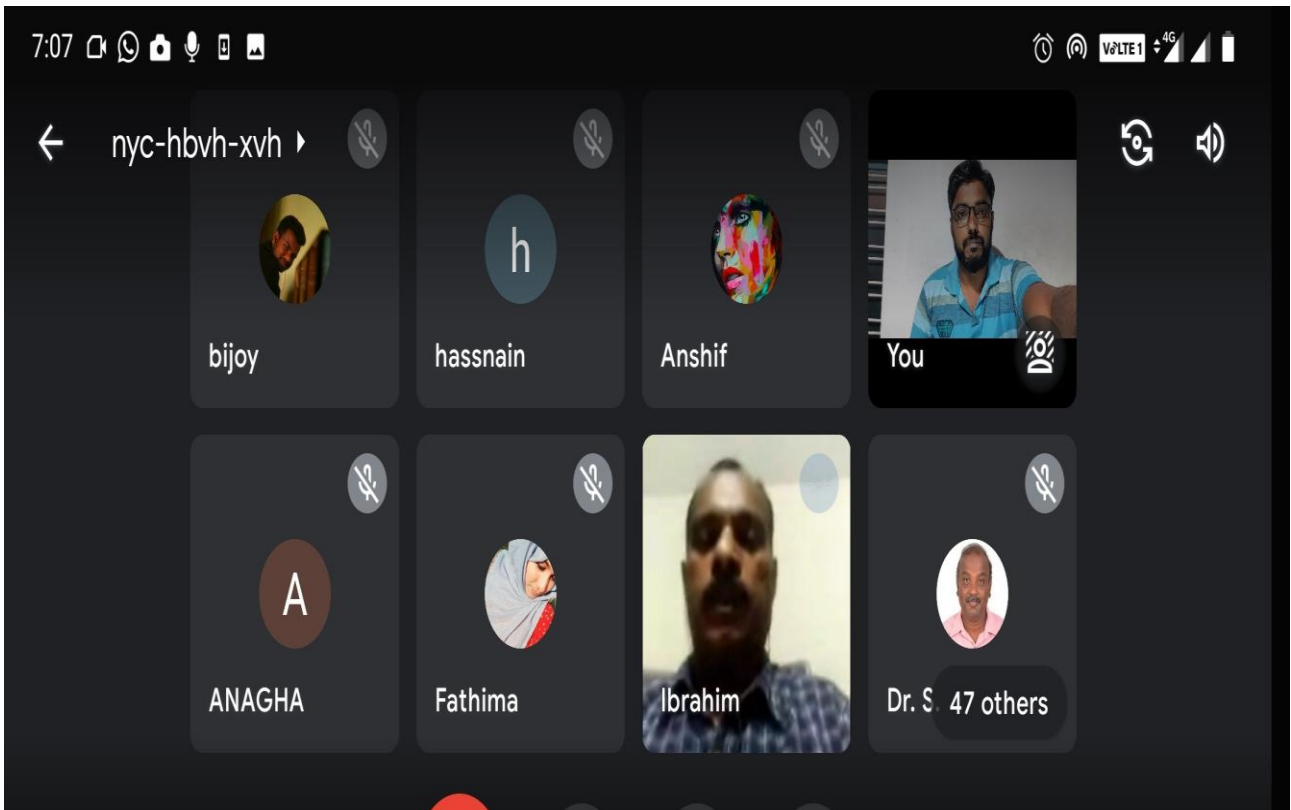
Convenor

**Rameesa K**  
7012 327 541

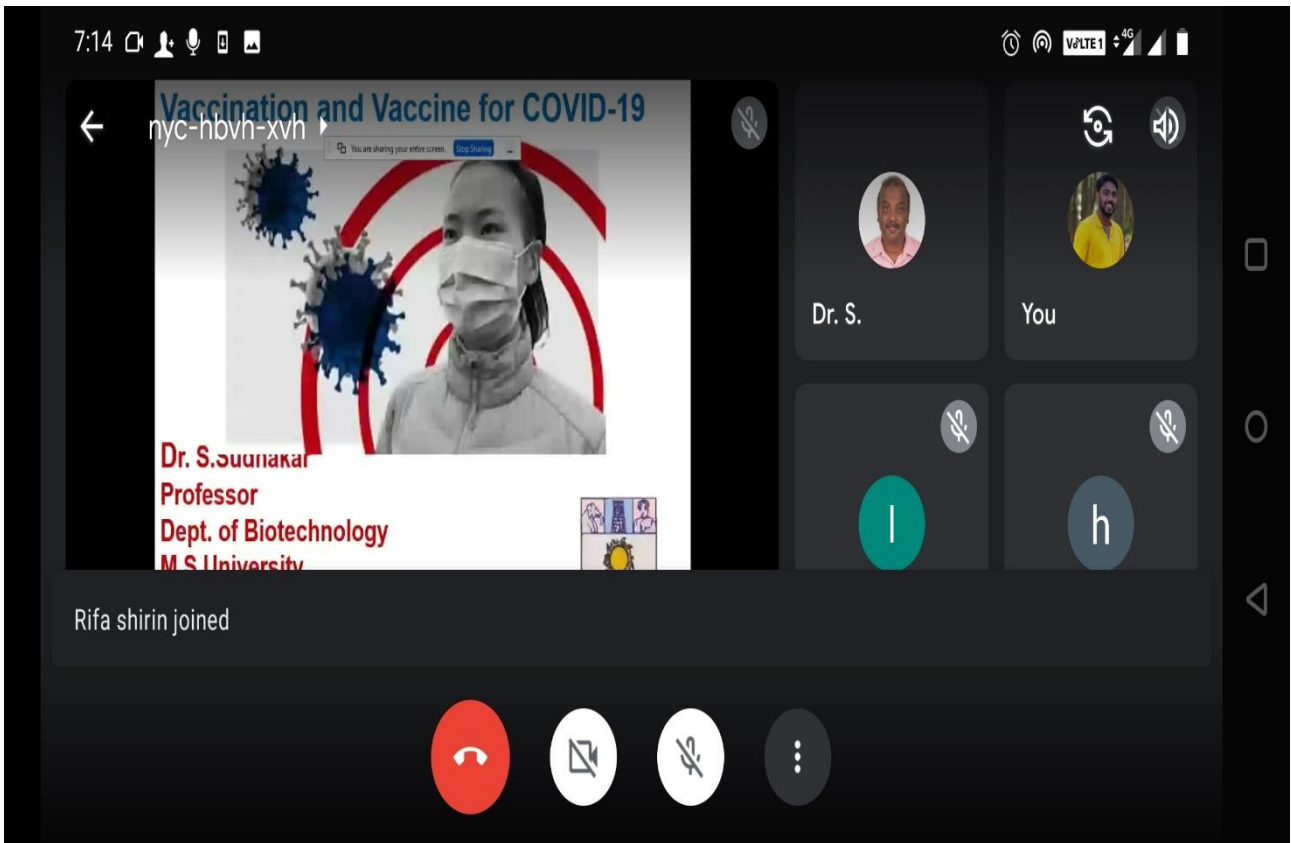
Student Convenor

**Ajmal Shuhaib KP**  
9746 120 608

Flyer of the programme



Inauguration by Dr, Ibrahim Cholakkal, Principal, EMEA College



Talk by Dr. Sudhakar Sivasubramanyam, MS University, Tirunelveli

**LIST OF STUDENTS PARTICIPATED**

Sl. No	Name	Class
1.	Najva Moideen	2 <sup>nd</sup> Year BSc BT
2.	Najiya Bathula. K	3 <sup>rd</sup> Year BSc BT
3.	Nainu Banu .K	3 <sup>rd</sup> Year BSc BT
4.	Nadha Jasmin N K	2 <sup>nd</sup> Year BSc BT
5.	Murshida C K	3 <sup>rd</sup> Year BSc BT
6.	Muhammed Thabsheer.M.M	3 <sup>rd</sup> Year BSc BT
7.	Muhammed Sanabil K	1 <sup>st</sup> Year BSc BT
8.	Muhammed Rayyan P	2 <sup>nd</sup> Year BSc BT
9.	Muhammed Faris M	2 <sup>nd</sup> Year BSc BT
10.	Muhammed Danish O	1 <sup>st</sup> Year BSc BT
11.	Muhammed Aslam	2 <sup>nd</sup> Year BSc BT
12.	Mohammed Hassanain	2 <sup>nd</sup> Year BSc BT
13.	Mohammed Faheem.K.P	3 <sup>rd</sup> Year BSc BT
14.	Mohammed Arshad P K	2 <sup>nd</sup> Year BSc BT
15.	Mohamed Musthaneer	1 <sup>st</sup> Year BSc BT
16.	Mishal Ahamed Palat	1 <sup>st</sup> Year BSc BT
17.	Minha P	1 <sup>st</sup> Year BSc BT
18.	Marjana.K	3 <sup>rd</sup> Year BSc BT
19.	Lubna Sherin	1 <sup>st</sup> Year BSc BT
20.	Liyah Tk	3 <sup>rd</sup> Year BSc BT
21.	Ljuvana.P.N	1 <sup>st</sup> Year BSc BT
22.	Lihana Rafeeque .Kk	2 <sup>nd</sup> Year BSc BT
23.	Libna P	1 <sup>st</sup> Year BSc BT
24.	Kavya.K.K	3 <sup>rd</sup> Year BSc BT
25.	Karthikeyan.Kp	1 <sup>st</sup> Year BSc BT
26.	Jusna	3 <sup>rd</sup> Year BSc BT
27.	Jubila P	2 <sup>nd</sup> Year BSc BT
28.	Jahana Jebin N K	3 <sup>rd</sup> Year BSc BT

29.	Husna Banu	1 <sup>st</sup> Year BSc BT
30.	Husna A	2 <sup>nd</sup> Year BSc BT
31.	Hasla P	2 <sup>nd</sup> Year BSc BT
32.	Fidha Sherin E P	1 <sup>st</sup> Year BSc BT
33.	Fidha M T	3 <sup>rd</sup> Year BSc BT
34.	Febna Shibily K	1 <sup>st</sup> Year BSc BT
35.	Febina Farsana. P	3 <sup>rd</sup> Year BSc BT
36.	Fathimathu Safa V	1 <sup>st</sup> Year BSc BT
37.	Fathima T	1 <sup>st</sup> Year BSc BT
38.	Fathima Surayya E	2 <sup>nd</sup> Year BSc BT
39.	Fathima Shermila.P.P	1 <sup>st</sup> Year BSc BT
40.	Fathima Shahana Ct	3 <sup>rd</sup> Year BSc BT
41.	Fathima Shabna K	2 <sup>nd</sup> Year BSc BT
42.	Fathima Rida	1 <sup>st</sup> Year BSc BT
43.	Fathima Nitha	2 <sup>nd</sup> Year BSc BT
44.	Fathima Nejwa.M.K	1 <sup>st</sup> Year BSc BT
45.	Fathima Kansah	1 <sup>st</sup> Year BSc BT
46.	Fathima Hiba K	2 <sup>nd</sup> Year BSc BT
47.	Fathima Hasna	1 <sup>st</sup> Year BSc BT
48.	Fathima Fidha M	2 <sup>nd</sup> Year BSc BT
49.	Fathima	3 <sup>rd</sup> Year BSc BT
50.	Fajarul Rasi C V	3 <sup>rd</sup> Year BSc BT
51.	Ayisha Shifa Kp	3 <sup>rd</sup> Year BSc BT
52.	Ayisha Nadha	3 <sup>rd</sup> Year BSc BT
53.	Danish Fasil P	2 <sup>nd</sup> Year BSc BT
54.	Anjala Sheri.P	3 <sup>rd</sup> Year BSc BT
55.	Anisudheen Chemban	3 <sup>rd</sup> Year BSc BT
56.	Binju Sariya T	2 <sup>nd</sup> Year BSc BT
57.	Bijoy K P	2 <sup>nd</sup> Year BSc BT
58.	Basila Sherin.M	2 <sup>nd</sup> Year BSc BT
59.	Ayisha Nihala E	2 <sup>nd</sup> Year BSc BT

60.	Arshad Muhammed K P	2 <sup>nd</sup> Year BSc BT
61.	Anshid P	2 <sup>nd</sup> Year BSc BT
62.	Afna C	2 <sup>nd</sup> Year BSc BT
63.	Ahammed Nisar V.P	3 <sup>rd</sup> Year BSc BT
64.	Ajmal Shuaib.K.P	3 <sup>rd</sup> Year BSc BT
65.	Ajna Ashraf P N	1 <sup>st</sup> Year BSc BT
66.	Ameera.C.T	1 <sup>st</sup> Year BSc BT
67.	Ananya.K	1 <sup>st</sup> Year BSc BT
68.	Aneena Rahman Kotta	1 <sup>st</sup> Year BSc BT
69.	Anshif. N.	1 <sup>st</sup> Year BSc BT
70.	Bisme Roowfa P K	1 <sup>st</sup> Year BSc BT
71.	Disna Fincy P K	1 <sup>st</sup> Year BSc BT
72.	Anagha P	2 <sup>nd</sup> Year BSc BT
73.	Anjana M K	2 <sup>nd</sup> Year BSc BT
74.	Akhil M	3 <sup>rd</sup> Year BSc BT
75.	Amal Farhana .V	3 <sup>rd</sup> Year BSc BT
76.	Faiha Parveen	1 <sup>st</sup> Year BSc BT
77.	Fathima Anaan.E	1 <sup>st</sup> Year BSc BT
78.	Afeena K	2 <sup>nd</sup> Year BSc BT
79.	Afeefa Sherin Mm	2 <sup>nd</sup> Year BSc BT
80.	Adithya P	2 <sup>nd</sup> Year BSc BT
81.	Adith V	2 <sup>nd</sup> Year BSc BT
82.	Adila Sharin Ak	1 <sup>st</sup> Year BSc BT