



Sanjivani Rural Education Society's
Sanjivani Arts, Commerce and Science College,
Kopargaon
At: Sahajanandnagar, Post: Shingnapur,
Tal Kopargaon,
Dist: Ahmednagar Pin: 423603 (M.S.) India



SANJIVANI
GROUP OF INSTITUTES

Activity Report

On

"International Webinar Series-22-23

"Biopharmaceutical approaches to improving global health with plant-based biologics"

Department of Microbiology, Sanjivani Arts Commerce and Science College, Kopargaon, in association with Microbiologist Society India, organized an International Webinar on Biopharmaceutical approaches to improving global health with plant-based biologics, on Thursday, 20/10/2022 07.00 PM IST.

About the Event:

Department of Microbiology, Sanjivani Arts Commerce and Science College, Kopargaon, in association with Microbiologist Society India, organized an International Webinar on Biopharmaceutical approaches to improving global health with plant-based biologics, on **Thursday, 20/10/2022 07.00 PM IST**. The session was organized on Zoom app.

Dr. Kathleen Hefferon, Department of Microbiology, Cornell University's College of Agriculture and Life Sciences, Cell and systems biology, University of Toronto, New York (USA) served as a **Resource Person** for this webinar.

During her talk she explained the concepts of Plant biotechnology with examples like Bt cotton, Bt Brinjal, Golden Rice, Super Banana etc. She also elucidated the concepts of transgenesis and genome editing in plants and the vaccine proteins involved in development of vaccines and their preparation using plants, Significance of plant derived vaccines, and cancer immunotherapy.

More than **80** participants attended the webinar from India as well as abroad.

The main **aim** behind organizing the event was to provide students with insights into the current applications of plant biotechnology in production of biopharmaceutical products like vaccines and cancer treatment.

Outcome of Webinar:

- 1) Participants got enriched with the concept of vaccine production by using plants.
- 2) They came to know the companies across world involved in commercialization of biopharmaceuticals from plants.
- 3) Significance of plant-based vaccines over the regular vaccines available nowadays.
- 4) Use of plant virus nanoparticles in cancer immunotherapy.
- 5) Process of blocking tumor progression by using this nanoparticle.





Sanjivani Rural Education Society's
 Sanjivani Arts, Commerce and Science College,
 Kopargaon
 At: Sahajanandnagar, Post: Shingnapur,
 Tal Kopargaon,
 Dist: Ahmednagar Pin: 423603 (M.S.) India



Attached:

- Flyer of the Event
- Photos
- Certificate copy
- Link for video
- Registration sheet

YouTube link for recorded session of international webinar:

<https://youtu.be/XWd9mLmDrWo>

Photos of online zoom session:





Sanjivani Rural Education Society's
Sanjivani Arts, Commerce and Science College,
Kopargaon
At: Sahajanandnagar, Post: Shingnapur,
Tal Kopargaon,
Dist: Ahmednagar Pin: 423603 (M.S.) India



Attached:

- Flyer of the Event
- Photos
- Certificate copy
- Link for video
- Registration sheet

YouTube link for recorded session of international webinar:

<https://youtu.be/XWd9mLmDrWo>

Photos of online zoom session:

Plant Biotechnology

Bt cotton (Bt brinjal)

Golden Rice Super Banana

Plant molecular farming
Plant secondary metabolism

Transgenic plants

Genome Edited plants

SDN-3

SDN-3, SDN-2, SDN-1

SDN-3
SDN-1, SDN-2

SDN: Site-Directed Nuclease

zoom

Kathleen Heff...





Sanjivani Rural Education Society's
 Sanjivani Arts, Commerce and Science College,
 Kopargaon
 At: Sahajanandnagar, Post: Shingnapur,
 Tal Kopargaon,
 Dist: Ahmednagar Pin: 423603 (M.S.) India



SANJIVANI
 GROUP OF INSTITUTES

Ebola antibody treatment, produced in plants, protects monkeys from lethal disease

Kathleen Heff...

Mapp Biopharmaceutical

zoom

CRISPR/Cas9 Genome Editing in Plants

Rachana Nagar...

Ms. Rutika Yeole

Vaishnavi

Falguni panchal



Handwritten signature

PRINCIPAL

Sanjivani Arts, Commerce & Science College, Kopargaon



Sanjivani Rural Education Society's
Sanjivani Arts, Commerce and Science College,
Kopergaon
At: Sahajanandnagar, Post: Shingnapur,
Tal Kopergaon,
Dist: Ahmednagar Pin: 423603 (M.S.) India



SANJIVANI
GROUP OF INSTITUTES



SANJIVANI RURAL EDUCATION SOCIETY'S
SANJIVANI ARTS, COMMERCE AND SCIENCE COLLEGE,
KOPARGAON DIST: AHMEDNAGAR (MS)




RECOGNISED BY GOVERNMENT OF MAHARASHTRA, AFFILIATED TO SAVITRIBAI PHULE PUNE UNIVERSITY, NAAC 'B' ACCREDITED

SANJIVANI ARTS, COMMERCE AND
SCIENCE COLLEGE, KOPARGAON
Organises

International Webinar on

**BIOPHARMACEUTICAL
APPROACHES TO IMPROVING
GLOBAL HEALTH WITH PLANT
BASED BIOLOGICS**



 Date: 20/10/2022
Time: 7.00 pm (IST)

Zoom/Facebook Live  

<https://sanjivaniacs.org.in>
principalsacs@sanjivani.org.in

Call: +919421804716

— Eminent Speaker —
Dr. Kathleen Hefferon
Department of Microbiology, Cornell University's
College of Agriculture and Life Sciences, New York (U.S.A.)



Flyer of Webinar

