

One Day National Online Webinar
on
Genetic tools and recombinant DNA techniques for mutagenesis and expression of genes in cyanobacteria
27-05-2021

Report on Webinar Organized

Title: Genetic tools and recombinant DNA techniques for mutagenesis and expression of genes in cyanobacteria.

Date: 27-05-2021.

Resource Person: Professor Jogadhenu S. S. Prakash, Department of Biotechnology, University of Hyderabad.

Description of the Program:

Vignan's Foundation for Science Technology and Research is NAAC 'A' grade institution and secured good rank in Engineering category by the National Institutional Ranking Framework (NIRF).

The University as well as our department planned to organize a series of webinars on emerging technologies for faculty and research scholars to improve the research potentiality.

As the part of series of webinars department of Biotechnology organized one-day national online webinar on "Genetic tools and recombinant DNA techniques for mutagenesis and expression of genes in cyanobacteria". This programme has received an overwhelming response. About 353 Faculty members and research scholars from various engineering colleges and industry have participated.

Dr. S. Anil Kumar, Coordinator has welcomed all the delegates and participants to the webinar. Dr. Abhinav Parashar, introduced the resource person Prof J S S Praksash. In her speech, she highlighted the main objectives and importance of this webinar.

Prof. J S S Prakash provided the insights in to the recombinant DNA technologies for islaotion of commercial proteins in cyanobacteria. Especially, isolation of gene by PCR followed by cloning of the genes, expression of the genes and purification of the proteins. The role of mutagenesis in expression of the genes is clearly elucidated.

Finally, vote of thanks was given by Prof. P. B. Kavi Kishor, he thanked every participant for their active participation during entire session. He also expressed the gratitude to the Resource Person, Prof. J S S Prakash, for sharing of latest research issues with all participants. Also, he expressed his sincere thanks to Dr. L. Rathaiah Garu Chairman, Vignan,s group of institutions, Vice-Chancellor Dr. M.Y.S. Prasad and HOD,IT Dr. K. V Krishna Kishore for given an opportunity to organize this webinar in our campus and hope we will find the support in future also for organizing such kind of activities.

At the end the session the feedback of the participants was very positive and motivational for the organizers. The participants felt very happy for conducting the webinar on "Genetic tools and recombinant DNA techniques for mutagenesis and expression of genes in cyanobacteria". They have learned the importance of genetic tools in gene isolation, expression and purification. They said that, this

program was very useful and helpful for them in their research work and guiding the projects to the students. All the participants appreciated the sessions by our Resource Person and the arrangements made by the organizers.

Snapshots of the Program:

Invitation for Weekly Webinar – Department of Biotechnology
Vignan's Foundation for Science, Technology & Research (Deemed to be University)
Genetic tools and recombinant DNA techniques for mutagenesis and expression of genes in cyanobacteria
27 May 2021 (10:00 – 11:00 IST)

Photosynthetic metabolism
Cyanobacteria

Inputs: Sun, H₂O, CO₂, Minerals
Output: O₂

Products:
Pigments, Sunscreen
Healthy food, Animal feed
BIOMASS
Toxins, Drugs, Anti-cancer, Antiviral, Antifungal, Vitamins, Antioxidants
Antifreeze, Biodegradable bioplastics
Biofuels: alcohols, lipids, terpenes, Osmoprotectants, Sugars

Prof. J. S. S. Prakash
Department of Biotechnology
School of Life Sciences
University of Hyderabad

<https://us02web.zoom.us/j/88030047323?pwd=RW1CbFBMdnl0MnFSY2Jhcm9TajBDZz09>
Meeting ID: 880 3004 7323 Passcode: 286913

1. Invitation of the Programme

Zoom Meeting
191FA01034 Sri... Dr. M. Jahanara

Participants (28)

Find a participant

- Civil Services Academy (Host, me)
- Jajaja Naravala (Co-host)
- Abhinav Parashar
- Dr. M. Jahanara
- P B Kavi

Mute, More, Invite, Mute All

Mute, Stop Video, Security, Participants (26), Polls, Chat, Share Screen, Record, Reactions

Search for anything | 10:04 | 27-05-2021

2. Screen Shot of the Programme

