

GURU NANAK COLLEGE (AUTONOMOUS)

Affiliated to University of Madras and Re-Accredited at "A" Grade by NAAC Guru Nanak Salai, Velachery, Chennai – 600042.

Department of Advanced Zoology and Biotechnology

Event Title	National Webinar on In-vitro animal cell line culture and its tangible benefits
Category	All Students Research Scholar and faculty members
Date	1.8.2020
No. of Resource Person	Dr.Bharathi Ravikrishnan
No. of Participants	363

(1) Report Description

The head of P.G and Research Department of advanced Zoology and Biotechnology Dr J .Jayanthi organized a National Webinar on 1.8.2020 at 11 am in the title "In-vitro animal cell line culture and its tangible benefits". Dr.Bharathi Ravikrishnan. Assistant Professor and Head of the Department of Biotechnology, Guru Nanak College, Velachery, (Autonomous) was the resource person. Dr .J.Jayanthi, Head, P.G and Research Department of advanced Zoology and Biotechnology delivered the welcome address followed by the introduction of chief guest by Dr.Sharmila. More than 363 participants across the country participated

(2) Report

Scope of Animal Cell Culture, History of Animal cell Line culture and Terminologies were explained. Instruments, Equipments and media used in Animal cell culture Lab was briefed. Physical Parameters to support animal cell growth, Cell line cultures, Culture influence was also explained. She also spoke about the overview of Tissue engineering in Organ Synthesis, Bioengineered Trachea Bioengineered Liver, Bio-engineered eye lens, Biopolymer for Jaw construction and about the involvement Scaffolds in Biomimetic. Speaker explained about a team of over 50 researchers at Harvard University and Tel Aviv University (TAU) have successfully built human "organs-on-chips" that they say will allow scientists to better predict human responses to drugs during trials as a way to speed up drug development, and may offer alternatives to some animal testing.

A total of eight microchips were created to recapitulate the build and functions of living human organs – including the lungs, liver, intestines, kidneys, skin, bone marrow, brain, and the blood brain barrier. The scientists also built an automated instrument to fluidically link up to 10 "organ chips" to create what they called "a functional human Body on-Chips platform.

Invitation Copy



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PG & RESEARCH DEPARTMENT OF ADVANCED ZOOLOGY AND BIOTECHNOLOGY

National Webinar

on

IN-VITRO ANIMAL CELL LINE CULTURE AND ITS TANGIBLE BENEFITS

Supported by DBT Star College Scheme Govt. of India

Speaker

Dr. BHARATHI RAVIKRISHNAN

Assistant Professor & Head Department of Biotechnology Guru Nanak College (Autonomous) Chennai - 42





1st Aug 2020



11:00 AM



Mode Google Meet



Click Here to Register https://forms.gle/NiVXLn9PrA9wyUr18

Link will be shared with registered participants through email



Dr. M.G.Ragunathan *Principal*



Sardar Manjit Singh Nayar General Secretary & Correspondent

Certificate Copy



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POST GRADUATE AND RESEARCH DEPARTMENT OF ADVANCED ZOOLOGY AND BIOTECHNOLOGY

National Webinar

"IN-VITRO ANIMAL CELL LINE CULTURE AND ITS TANGIBLE BENEFITS"

Certificate of Participation This is to certify that

has actively participated in the National Webinar on "IN-VITRO ANIMAL CELL LINE CULTURE AND ITS TANGIBLE BENEFTTS" held on 01.08.2020 organized by the PG & Research Department of Advanced Zoology and Biotechnology with the support of DBT Star College Scheme, Government of India.





Photos







