AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

VINAYAKA MISSIONS RESEARCH FOUNDATION

DEPARTMENT OF BIOTECHNOLOGY

in association with

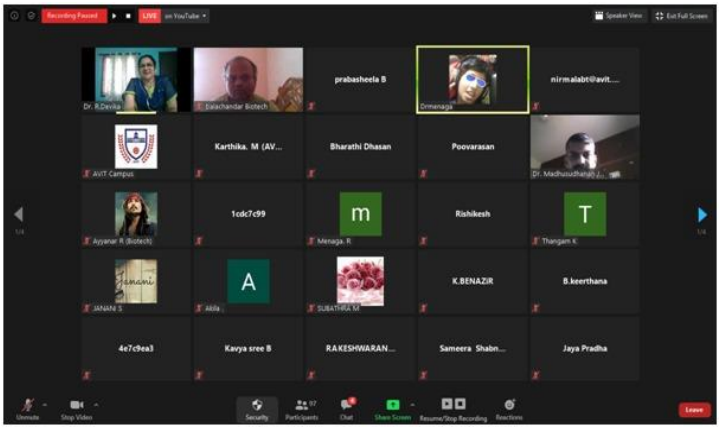
INSTITUTE INNOVATION COUNCIL

DAY 3 – WEBINAR REPORT

21.5.2020

Title of the Webinar: MICROBIAL SECONDARY METABOLITES

Department of Biotechnology organized a Webinar series from 19-5-2020 to 23-5-2020 in various recent topics. Day 3 topic on **"MICROBIAL SECONDARY METABOLITES"** was presented by **Dr Menaga, Director. Bioneemtec, Sirucheri, Chennai,** Dr. R. Devika, Professor and Head, Biotechnology delivered welcome address followed by Dr Prabasheela, Associate Professor, Department of Biotechnology introduced the Resource person. After the introduction, Chief Guest **Dr Menaga,** delivered the Lecture on Basics of microbial secondary metabolites implemented, current research in medical field and drug discovery and formulation in various treatment including cancer treatment, drug targeting, antibacterial activities, etc which inspired the crew of Biotechnologist. The session was attended by more than 300 participants from various colleges in and around the India through ZOOM and YouTube live session. At the end of the session question were raised by the participants in chat box and all the questions were clarified by the chief guest in a detailed way. Finally Dr. R. Devika gave the thanking note. The webinar was very useful for the Biotech community.




Microbial secondary metabolites
Microbial secondary metabolites are low molecular strcutures .
Variety of biological activity like antimicrobial agents , antitumours , immune suppressive and antiparasitic ag herbicides , insecticides ,antihelminthes etc.. They are p phase of the microbes.
The secondary metabolites is produced in the logphas growth phases .
The microbial secondary metabolites have distinctive found in the chemical libraries and about 40% of the chemically synthesized.
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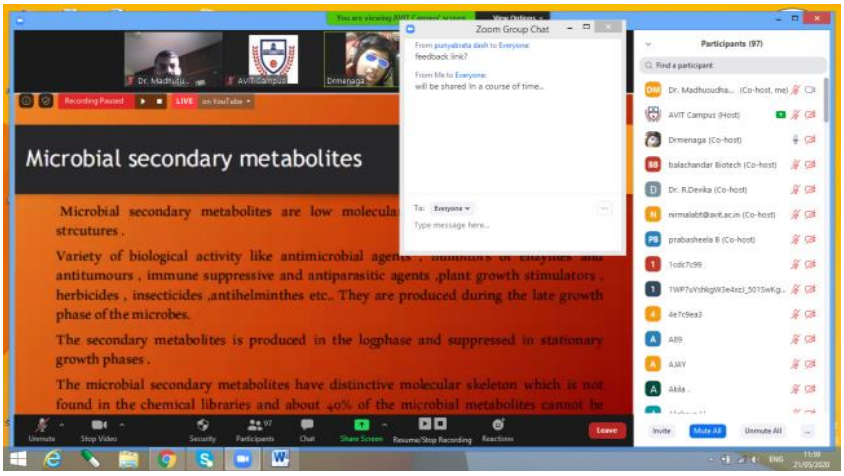
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Microbial secondary metabolites
Microbial secondary metabolites are low molecula
strcutures .
Variety of biological activity like antimicrobial age
antitumours , immune suppressive and antiparasitic agents ,plant growth stimulators ,
herbicides , insecticides ,antihelminthes etc.. They are produced during the late growth
phase of the microbes.
The secondary metabolites is produced in the logphase and suppressed in stationary
growth phases .
The microbial secondary metabolites have distinctive molecular skeleton which is not
found in the chemical libraries and about 40% of the microbial metabolites cannot be
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