



AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

VINAYAKA MISSIONS RESEARCH FOUNDATION

DEPARTMENT OF BIOTECHNOLOGY

in association with

DEPARTMENT OF PLACEMENT AND TRAINING

DAY 5 – WEBINAR REPORT

23.5.2020


Title of the Webinar: **TUBERCULOSIS: UPDATE AND THE ROAD AHEAD**

Department of Biotechnology organized a five day Webinar series from 19.05.2020 to 23.05.2020 in multi subject topics. The final day topic **“Tuberculosis: Update and the road ahead”** was presented by **Dr.V. N. Azger Dusthacker, Scientist- C, Department of Bacteriology, National Institute for Research in Tuberculosis, Chennai**. At the outset **Dr. R. Devika**, Professor and Head, Biotechnology welcomed the chief guest and the gathering; the speaker was introduced by Dr. J. Madhusudhanan, Associate Professor, Department of Biotechnology. The Day-5 webinar’s chief guest **Dr. V. N. AzgerDusthacker** delivered his speak on the role of ICMR in Tuberculosis management, NIRT’s contribution to TB management their focus area like diagnosis & treatment, RPF, developing rapid diagnostic methods, anti-TB drug reevaluation, exploring novel delivery vehicles from various ecosystem and the possible outcome after exposure to TB. This webinar was hosted through ZOOM platform with 100 participants and was live telecasted through YouTube which attracted about 195 participants. At the end of the session queries were raised by the participants in chat box, all the question were clarified by the chief guest and webinar ended successfully by a vote of thanks by Dr. J. Madhusudhanan, Associate Professor, Department of Biotechnology.

Recording... LIVE on YouTube

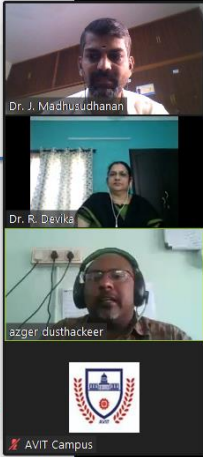
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TB- UPDATE & ROAD AHEAD



**NATIONAL
INSTITUTE FOR
RESEARCH IN
TUBERCULOSIS**

Dr. Azger Dusthacker
Scientist C
Department of Bacteriology
NIRT, Chennai



Mute Stop Video Security Participants 87 Chat Share Screen Pause/Stop Recording Reactions Leave

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ICMR in TB management

- ICMR has 26 institutes of which two are dedicated for TB research in India.
- **India TB Research Consortium**, an initiative to bring together all major national and international stakeholders to develop new tools for TB has been initiated by ICMR.
- Active case finding pilot project for TB has been initiated in five states for bridging gap in last mile delivery of services amongst tribal populations.
- **TB Diagnostic Initiative:** TruNAT Rif, an indigenous, cost effective, rapid molecular diagnostic kit for TB/MDR-TB has been developed, validated and has been recommended under RNTCP at Primary Health Centres (DMCs) in a phased manner.

Participants (88)

Find a participant

- DJ** Dr. J. Madhu... (Co-host, me) [M] [V]
- AVIT** AVIT Campus (Host) [M] [V]
- AD** azger dustha... (Co-host) [M] [V]
- BB** balachandar Biot... (Co-host) [M] [V]
- D** Dr. R. Devika (Co-host) [M] [V]
- N** nirmalabt@avit.ac... (Co-host) [M] [V]
- Abi** Abi Manyu [M] [V]
- A** acer [M] [V]
- A** acer [M] [V]
- A** Akshaya U [M] [V]
- ANANDA** ANANDA H V [M] [V]
- A** Archana 241998 [M] [V]
- AS** arona sam [M] [V]

Invite Mute All Unmute All

Recording... LIVE on YouTube

Unmute Stop Video Security Participants 88 Chat (Alt+H) Share Screen Pause/Stop Recording Reactions Leave

11:38 23/05/2020

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Participants (91)

Find a participant

Dr. J. Madhu... (Co-host, me) AVIT Campus (Host)

Zoom Group Chat

From SUKUMARAN PRABHU to Everyone:
Dear Sir/Madam,
Greetings from Department of Biotechnology,
Sri Venkateswara College of Engineering
(Autonomous), Sriperumbudur, Tamil Nadu.

We are pleased to announce that we are
conducting a on "Experimental Studies on
Degenerative Diseases and its Novel
Therapeutic Strategies using Laboratory Small
Animals" on 29th May, 2020.
Following is the registration link for attending
the webinar.
<https://rggo.page.link/5xUDa>

From Me to SUKUMARAN PRABHU: (Privately)
Sir don't post any individual post in the
common forum sir...please...noted by technical
persons...

To: SUKUMARAN PRABHU (Privately)

Type message here...

**NIRT's
Contribution to TB Management**

- Revolutionized the treatment of TB chemotherapy: **Home based treatment for TB patients rather than Sanatorium's**
- Conducted the largest BCG vaccine trial ever (Chengleput trial)
- Conducted more than 50 randomized control clinical trials in tuberculosis, extra-pulmonary TB, HIV and HIV-TB
- Provided the evidence base for the globally used DOTS strategy by demonstrating the role of supervision and documentation in TB treatment

Unmute Stop Video Security Participants Chat Share Screen Pause/Stop Recording Reactions

11:41 23/05/2020

Zoom Meeting

Dr. J. Madhusud... azger dusthacker... Dr. R. Devika AVIT Campus

TUBERCULOSIS A DEADLY DISEASE

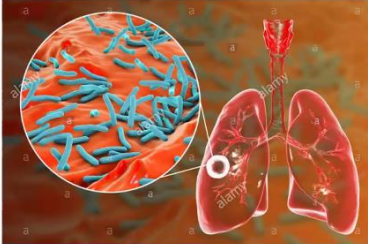


Image source: PBD4B8
www.alamy.com

1. *Mycobacterium tuberculosis* is an actinobacteria
2. It stays in alveolar sac in dormant form longer duration
3. The cell wall is composed of thick peptidoglycan layer.
4. The cell wall associated lipids impose a strong barrier to multiple drug targets in turn the pathogen is tolerant to many drugs.

Zoom Group Chat

From Dr.V.R. Manoj to Everyone: 12:03 PM
Extremely good presentation, material shown here not available in net or textbooks, thanks to the organizers for such a good presentation.

From nimalabt@avit.ac.in to Everyone: 12:04 PM
Thank u Dr.V.R.Manoj sir For your positive comments

From Dr. R. Devika to Everyone: 12:05 PM
Dear participants, we are working on certificate despatch, please wait for few days since we all engaged with academic work too. If you have completed feedback, we assure you the certificates. if not please mail us individually. Thank you all for your participation..Hope to see you all again

From Sukumaran Prabhhu to Everyone: 12:06 PM
Thank you Dr. R. D

From Dr. K. Madhuri to Everyone: 12:08 PM
Thank you Ma'am

From Dr Mohan Kumar S to Me: (Privately) 12:09 PM
Are there any Biosensors are developed for the diagnosis of MTB bacteria

To: Everyone

Type message here...

Invite Mute All Unmute All

12:10 23/05/2020