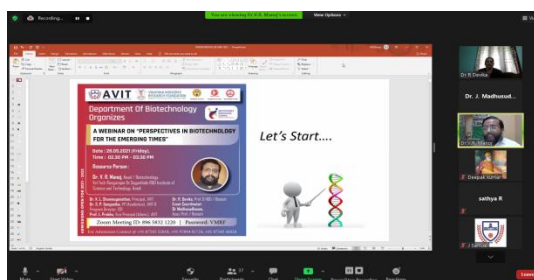
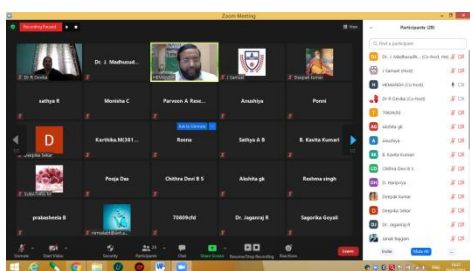




**DEPARTMENT OF BIOTECHNOLOGY**  
**REPORT ON WEBINAR ENTITLED “PERSPECTIVES IN BIOTECHNOLOGY**  
**FOR THE EMERGING TIMES”**

**28.05.2021**

The webinar on **“PERSPECTIVES IN BIOTECHNOLOGY FOR THE EMERGING TIMES”** was organized by Department of Biotechnology, AVIT. At the outset Dr.R.Devika, Professor and Head, Department of Biotechnology welcomed the chief guest and gathering which was followed by the introduction of the speaker by M.Subathra, Assistant Professor, Department of Biotechnology. After that, chief guest Dr.V.R.Manoj, Head, Department of Biotechnology, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai, delivered the lecture on major areas and emerging thrust area in Biotechnology with many examples. Nearly 36 participants attended the session. The lecture was followed by a discussion session where knowledge sharing took place. Finally the webinar was successfully completed by a vote of thanks delivered by Dr. A.Nirmala Assistant Professor (Gr-II), Department of Biotechnology, AVIT.



**Bristol Stool Chart**

- Stool consistency
- Stool color
- Stool shape
- Stool frequency
- Stool effort
- Stool sensation
- Stool urgency
- Stool incontinence
- Stool anal fissures
- Stool hemorrhoids
- Stool itching
- Stool odor
- Stool taste
- Stool weight
- Stool volume
- Stool pH
- Stool fat
- Stool sugar
- Stool protein
- Stool blood
- Stool mucus
- Stool parasites
- Stool bacteria
- Stool fungi
- Stool viruses
- Stool prions
- Stool protozoa
- Stool helminths
- Stool arthropods
- Stool mollusks
- Stool chordates
- Stool echinoderms
- Stool poriferans
- Stool sponges
- Stool fungi
- Stool plants
- Stool animals
- Stool humans

**LEUCOCYTES IN STOOL**

High number of leukocytes in stool is a sign of inflammation in the large intestine. This can be caused by a variety of conditions, including:

- Infectious colitis
- Ulcerative colitis
- Crohn's disease
- Diverticulitis
- Ischemic colitis
- Radiation proctitis
- Stress
- Food intolerance
- Medications
- Autoimmune diseases
- Parasites
- Bacterial overgrowth
- Small intestine bacterial overgrowth (SIBO)
- Helicobacter pylori
- Polyps
- Cancer

**ANCIENT WISDOM**

- Wisdom is not just knowledge.
- It is the ability to use that knowledge.
- It is the ability to make good choices.
- It is the ability to take responsibility.
- It is the ability to be kind.
- It is the ability to be brave.
- It is the ability to be honest.
- It is the ability to be humble.
- It is the ability to be patient.
- It is the ability to be resilient.
- It is the ability to be generous.
- It is the ability to be selfless.
- It is the ability to be brave.
- It is the ability to be honest.
- It is the ability to be humble.
- It is the ability to be patient.
- It is the ability to be resilient.
- It is the ability to be generous.
- It is the ability to be selfless.

Let's see if you paid attention to Molecular Biology class !

- METHYLATION ?
- ACETYLATION / DEACETYLATION ?

**EPIGENETICS**

The diagram illustrates the process of epigenetics, showing how DNA is packaged into chromatin by histones. Various chemical groups (methyl, acetyl) are added to DNA and histones, which can change gene expression without altering the underlying DNA sequence. It shows DNA being wrapped around histones, and different marks (methyl groups, acetyl groups) being added to the DNA and histone tails, leading to different levels of gene expression.

Zoom Meeting

Recording...

**What Skills you need to learn ?**

- PLANT INFORMATICS
- PRECISION AGRICULTURE
- BIOGEOCHEMISTRY
- INTERNET OF THINGS – Why ???
- BIOPHYSICS – Why ???
- BOTANY → PLANT BIOTECHNOLOGY → ??

Vel Tech  
Dr. V.R. Manoj  
Dept. of Biotechnology

Participants (33)

Find a participant

- DJ Dr. J. Madhu... (Co-host, me)
- J Samuel (Host)
- Dr.V.R. Manoj (Co-host)
- Dr R Devika (Co-host)
- nirmalabt@avit.ac... (Co-host)
- SUBATHRA M (Co-host)
- 70809cfd
- AG Akshita gk
- A Anushiya
- BK B. Kavita Kumari
- DH D. Haripriya
- D DEEPIKA
- D Deepika Sekar
- DP dr prabasheela -

Invite Mute All

15:10  
28/05/2021

Zoom Meeting

Recording...

Participants (29)

Find a participant

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- H Hima

Invite Mute All

15:42  
28/05/2021