



TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN, MEDAK

(AFFILIATED TO OSMANIA UNIVERSITY, HYDERABAD)

Accredited with NAAC 'A' Grade

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Report on

ONLINE GUEST LECTURE ON “VEDIC MICROBIOLOGY”

Report on Online Guest Lecture — “Vedic Microbiology” by Dr. R. C. Dubey

Organized by: Telangana Tribal Welfare Residential Degree College (Women), Kamam

Date: 02/09/2025

Mode: Online (Virtual Platform)

Resource Person: Dr. R. C. Dubey, Eminent Microbiologist & Academic Author

Topic: Vedic Microbiology — Traditional Knowledge and Scientific Perspectives

Participants: Students of Life Sciences & Microbiology Departments

1. Introduction

An online guest lecture on “Vedic Microbiology” was organized for the students of TtWRDC (Women) with the objective of introducing them to the historical roots of microbiological concepts in ancient Indian texts and connecting them with modern scientific understanding.

The session was delivered by Dr. R. C. Dubey, a distinguished scholar and author of several acclaimed textbooks in Microbiology. His insightful presentation provided a comprehensive overview of how traditional Indian knowledge systems contain early interpretations of microbial life, hygiene practices, fermentation, and disease prevention.

2. Objectives of the Session

The lecture aimed to:

Create awareness about the link between Vedic literature and microbiological concepts

Highlight the indigenous scientific knowledge traditions of India

Encourage students to explore interdisciplinary learning

Develop research curiosity in ethnosciences and history of science

Promote critical thinking on the evolution of microbiological understanding

3. Overview of the Lecture Content

Dr. Dubey explained that although microorganisms were not scientifically identified in ancient times, several Vedic and classical Indian scriptures contained references to:

unseen life forms

contamination and infection

disease transmission

fermentation and preservation

sanitation and personal hygiene

He discussed interpretations from:

Vedic texts

Ayurveda

Charaka Samhita

Sushruta Samhita

and related them to modern microbiological principles.

Key themes covered included:

Concept of invisible living entities (Anu & Krimi)

Traditional hygienic practices and sterilization methods

Use of herbs and natural antimicrobials

Fermentation in food preparation & medicine

Scientific validation of ancient practices

The session emphasized how traditional wisdom laid the foundation for empirical observation, which later evolved into modern microbiology.

4. Student Participation

Students from various streams such as:

Microbiology

Botany

Zoology

actively participated in the lecture.

They interacted with the speaker through:

Q&A session

concept-based discussions

reflective questions on research possibilities

Students expressed curiosity about:

integrating traditional knowledge in modern research

scientific evaluation of ancient medicinal practices

scope of Vedic concepts in modern microbiology

5. Key Learning Outcomes

After attending the session, students were able to:

Understand the historical perspectives of microbiology

Recognize the significance of Vedic literature in scientific thought

Appreciate India's indigenous knowledge systems

Develop interest in research-based learning

Establish a connection between traditional wisdom and modern science

The lecture strengthened academic enrichment and motivated students to explore interdisciplinary academic pathways.

6. Feedback from Students

Students reported that the session was:

informative and intellectually stimulating

helpful in broadening scientific outlook

encouraging towards research-oriented studies

They appreciated Dr. Dubey's clarity of explanation, interactive style, and academic depth.

7. Conclusion

The online guest lecture by Dr. R. C. Dubey on Vedic Microbiology proved to be highly enriching and academically meaningful for the students of TtWRDC (Women). It successfully connected ancient knowledge traditions with modern scientific perspectives, thereby enhancing students' understanding of microbiology from a broader cultural and historical context.

The institution looks forward to organizing more such expert lectures and academic enrichment programs in the future to promote holistic learning and research culture among students.



Signature of the faculty

Signature of the principal