



S.V.R.GOVERNMENT DEGREE COLLEGE NIDADAVOLE



DEPARTMENT OF ZOOLOGY

EXTENSION ACTIVITY 2024 25 Mar

Name of the Activity	:Guest Lecture
Date	: 21.03.2025
Resource Person	: Dr.T.Kusuma Kumari
No .of Participants	: Approximately 50
Venue	: DRG.Govt.Degree College,Tadepalligudem
Organized By	: Department of Zoology
Report	:

Introduction:-

The session began with a warm welcome by Smt.V.Kusuma Kumari, an introduction of the speaker. Dr.T.Kusuma Kumari addressed the audience on the topic "**Placenta In Mammals**" and covered key areas including:

The Department of Zoology DRG GDC Tadepalligudem organized an insightful invited talk on "**Placenta in Mammals**" **by Dr.T.Kusuma Kumari** Faculty in Zoology SVR.Govt.Degree College,Nidadavole.. A guest lecture was organized by the Department of Zoology. topic The lecture aimed to enhance the understanding of the structure, types, functions, and evolutionary significance of the placenta among students. The session was attended by students, faculty members, and research scholars.

Summary of the Talk:-

The lecture was delivered by [Guest Lecturer's Name], a renowned expert in [Lecturer's Field or Institution]. The speaker began by introducing the concept of the placenta as a vital organ for the nourishment and protection of developing embryos in mammals.

Key points covered during the lecture included:

1. Definition and Function:

The placenta was described as a temporary organ that forms during pregnancy, facilitating the exchange of nutrients, gases, and waste between mother and fetus.

2. Types of Placenta:

The lecturer explained the classification based on:

- Histological layers (epitheliochorial, endotheliochorial, hemochorial, etc.)
- Shape and distribution (diffuse, cotyledonary, zonary, discoidal)
- Degree of invasiveness and species variations.

3. Developmental Stages:

The formation of the placenta from the trophoblast layer and its modifications across different mammalian groups were discussed in detail.

4. Functions Beyond Nourishment:

The speaker highlighted the role of the placenta in hormone production, immune protection, and the regulation of fetal development.

5. Evolutionary Perspective:

A brief comparison of placental development across different mammalian orders (Eutherians, Metatherians) was presented to showcase evolutionary adaptations.

Interactive Session:

The lecture concluded with an engaging Q&A session, where students posed insightful questions regarding placental diseases, comparative anatomy, and modern research techniques in placental biology. The speaker encouraged curiosity and advised students on further reading and research.

Conclusion:

The guest lecture was highly informative and offered in-depth insights into the role of the placenta in mammalian reproduction. The session not only strengthened the theoretical knowledge of the attendees but also sparked research interest in developmental and reproductive biology. The Dept.of Zoology expressed sincere gratitude to Dr.T.Kusuma Kumari[Lecturer's Name] for delivering such a valuable lecture.

The session began with a warm welcome by Smt.V.Kusuma Kumari, an introduction of the speaker. Dr.T.Kusuma Kumari addressed the audience on the topic "*Placenta In Mammals*" and covered key areas including:

Want to Study Further

1. Master's (M.Sc.)

- Specialize in fields like:
 - Biotechnology
 - Microbiology
 - Molecular Biology
 - Genetics
 - Bioinformatics
 - Neuroscience
 - Environmental Science

2. Integrated PhD Programs

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3. Diploma/Certificate Courses

- Quick skill-building courses in areas like: → Clinical Research
 - Regulatory Affairs
 - Medical Coding
 - Lab Techniques
 - Data Science for Biologists

Want to Work Right After UG

1. Research Assistant / Project Fellow
2. Medical Coding or Clinical Data Management

3. Quality Control / Quality Assurance
4. Sales / Marketing Roles in Life Science Companies
5. Science Communication

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The talk was highly interactive, and students as well as faculty members actively engaged in a Q&A session that clarified doubts and opened new perspectives on the subject.

Conclusion:-

The guest lecture provided participants with valuable insights and inspired them to explore the Topic with greater enthusiasm and curiosity. The department expressed its sincere gratitude to [Guest Speaker's Name] for sharing their expertise and making the session a great success.

Feedback:-

The talk was well-received by attendees, who appreciated the depth of knowledge and the practical relevance of the content. Students described the lecture as thought-provoking and motivating.



