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**AVANTHI DEGREE & P.G. COLLEGE**  
(Affiliated to Osmania University & Recognized by Govt of Telangana)

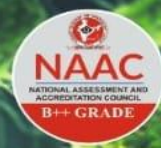
# 3-4-875/a/1, Barkatpura, Hyderabad-27.(BLOCK- I)  
Road No.12, Above Honda Show Room, (BLOCK- II), Narayanaguda, Hyd-29

Event Organised Report	
2023-2024	
Name of the Department	Department of LIFESCIENCES
Title of the event	BIOADHYAYAN- 2K24
Date of Event Organized	MAY 1 <sup>st</sup> & 02 <sup>nd</sup> 2024
Name of the coordinator of the Event	C. PARIMALA & B. JAGADEESH
No.of Participants	250



# AVANTHI

## GROUP OF INSTITUTIONS



Gunthapally(V). Ranga Reddy (Dist)

## TWO-DAY NATIONAL SEMINAR ON BIO-ADHYAYAN 2K24

*"Exploring Global Perspectives in Biosciences"*

### Inaugural Function

**Chief Guest**  
**Prof. Ch. Mohan Rao**  
Former Director, CCMB and Sr. Professor Emeritus,  
BITS Pilani, Hyderabad campus

**Guest Of Honour**  
**Dr. B. Prabhaskar**  
Chairman & Managing Director  
Leads Pharma Pvt. Ltd, Hyderabad.

### Technical Speakers

**Dr. A. Veera Reddy**  
Director Srinivasa Laboratories, Hyd.  
Topic- "Modern trends in analysis & Synthesis"

**Dr. A. Rajender**  
Research Scientist Gandhi Medical College, Hyderabad.  
Topic- : Biotechnological interventions for the production of  
pharmaceutically important novel metabolites

**Dr. V. Sathish (Day 1)**  
Founder & CEO Clinox Solutions Pvt Ltd  
Topic- Current Trends in Clinical Research and  
Pharmacovigilance.

**Dr. Sambashiva .D Ph.D (Day 1)**  
Director, Research and Development Cell, Assistant Professor,  
Head, Department of Biotechnology, Nizam College, OU.  
Topic- "Beyond the Lab: Pioneering Biotech for a Sustainable Tomorrow".

### VALEDICTORY FUNCTION

**Chief Guest**  
**Dr. Syed S.Y.H Qadri**  
Dept. Director  
National Institution of Nutrition, Hyd

**Guest of Honour**  
**Dr. Ramji Pallela**  
COO - AIC,  
CCMB, Hyderabad.

### Faculty Co-ordinators

Dr. Nihar Ranjan Das (Pharmacy) : 8309288349  
Dr. M. Ramakrishna (Pharmacy) : 9848906572  
Dr. B. Manjula (Pharmacy) : 9160233751  
Dr. Ch.Pavani (Pharmacy) : 9866877794  
Mr. R.Naganjaneyulu (Pharmacy) : 8919098517  
Mrs. C. Parimala (PG) : 9052749877  
Mr. Jagadish (PG) : 9542024208

### Student Co-ordinators

S D Ali : 7036255398 Rahul : 7780221072  
K.Sandeep : 9704007484 K.Sai Prashanth : 6300917134  
K.Hardik : 9652099884 Nikhil (Degree) : 9346987825  
N.Ojswin : 7396866111 Joshua (Degree) : 8096832820  
G.SurajKumar : 7995721601

**Date:**  
**1<sup>st</sup> & 2<sup>nd</sup> May 2024**  
**Venue:**

**Sundarayya**  
**Vignana Kendram Auditorium**  
Bagh Lingampally, Hyderabad.

**Registration**  
**Fee: ₹ 300/-**

**Spot**  
**Registration**  
**Available**

**Cash prizes**  
**for**  
**best papers**

**Date: 1<sup>st</sup> May 2024**

**Technical Lectures,**  
**Brain Teasers**

**Science Quiz,**  
**Model Presentation**  
**Cross Words.**

**2<sup>nd</sup> May 2024**

**Poster & Oral Presentation**



**Smt. M. Ganeswari**  
President  
Avanthi Group of Institutions

**Dr. M. Priyanka**  
General Secretary  
Avanthi Group of Institutions

**Sri. I. Shravan Kumar**  
Managing Director  
Avanthi Group of Institutions

**Sri. M.V.S.S. Nandish**  
Vice President  
Avanthi Group of Institutions

**Dr. Y. Jayaprada**  
Director - HR  
Avanthi Group of Institutions

**Dr. K. Balaji**  
Principal - AIPS

**Prof. P Veera Somaiah**  
Principal, Degree & PG College



DAY- 2







# TARDIGRADES

## WATER BEARS

## MOSS PIGLETS

**Introduction:** Tardigrades are small, eight-legged animals that can survive in extreme environments. They are found in moss, lichen, and other moist environments.

**Characteristics:** Tardigrades are small, eight-legged animals that can survive in extreme environments. They are found in moss, lichen, and other moist environments.

**Life Cycle:** Tardigrades have a life cycle that includes asexual and sexual reproduction. They can survive in a dormant state for long periods of time.

**Reproduction:** Tardigrades reproduce asexually by parthenogenesis or sexually by mating. They have a long lifespan, with some species living for up to 15 years.

**Survival:** Tardigrades are known for their ability to survive in extreme environments, including space. They can survive in the vacuum of space for up to 10 days.

**Classification:** Tardigrades are classified into four orders: Eutardigrada, Halethorina, Maricopa, and Anphitardigrada.

**Fun Facts:** Tardigrades are the only animals that can survive in space. They are also the only animals that can survive in the vacuum of space for up to 10 days.

**Diagram 1:** A diagram showing the internal anatomy of a tardigrade, including the head, thorax, and abdomen. It labels various organs such as the brain, heart, and digestive system.

**Diagram 2:** A diagram showing the life cycle of a tardigrade, from egg to adult. It includes stages for asexual and sexual reproduction.

**Diagram 3:** A diagram showing the survival of tardigrades in extreme environments, including space. It illustrates how they can enter a dormant state to survive harsh conditions.

**Diagram 4:** A diagram showing the classification of tardigrades into four orders: Eutardigrada, Halethorina, Maricopa, and Anphitardigrada.

**Diagram 5:** A diagram showing the fun facts about tardigrades, such as their ability to survive in space and their long lifespan.