



DEPARTMENT OF MICROBIOLOGY
GOVT. V.Y.T. PG AUTONOMOUS COLLEGE, DURG



**Inauguration of Microbiology Association and Guest
Lecture**

(05.10.2018)

Microbiological Association 'Micropia'

President: Ku. Rakhi Arora

Vice President: Ku. Kajal Arora

Secretary: Ku. Snehal Pillai

Activity: Sharing Project work experiences: An activity was celebrated in the Dept. with a brief introduction about the project formalities for the students going out station for project work and the students doing in house project work. All the students individually shared their experiences about identification of study problem, carrying out of requirements, methodology adapted and learning outcome of their project.


Guest Lecture: Dr. A.K. Apte, BARC, Mumbai delivered lecture on Bioremediation of radioactive spent through bacteria.

He explained role of *Pseudomonas* sp. and *Deinococcus* radiodurance in remediation of radioactive waste and applications in related experiments.





Deinococcus radiodurans - impressive life style



- ◆ Ancient extremophile, 2.9 billion years old, related to *Thermus*
- ◆ Isolated first from irradiated meat cans
- ◆ Natural habitat unknowns – dominates high radiation environments
- ◆ Gram-positive, naturally transformable *strange red berry*
- ◆ Survives extreme γ-rays, UV, desiccation and nutrient starvation
- ◆ Sensitive to salinity, heat, heavy metals and organic solvents