

**MANGALORE**  **UNIVERSITY**  
**DEPARTMENT OF BIOSCIENCES**  
**MSc BIOTECHNOLOGY**

**BTP 460 RADIATION BIOLOGY**

**Course outcome**

The student will

- learn about the advantages of radiation
- learn techniques used in radiation biology,
- understand applications in medicine etc
- learn safety protocols while working in a radioactive facility

Radiation in food preservation

Radiation for waste water treatment.

Irradiation effects on seed germination, growth and other parameters in plants

Radioimmunoassay

Working of GM and Scintillation counters

Radiation exposure studies - Micronuclei assay

Radiation sterilization - microbial decontamination