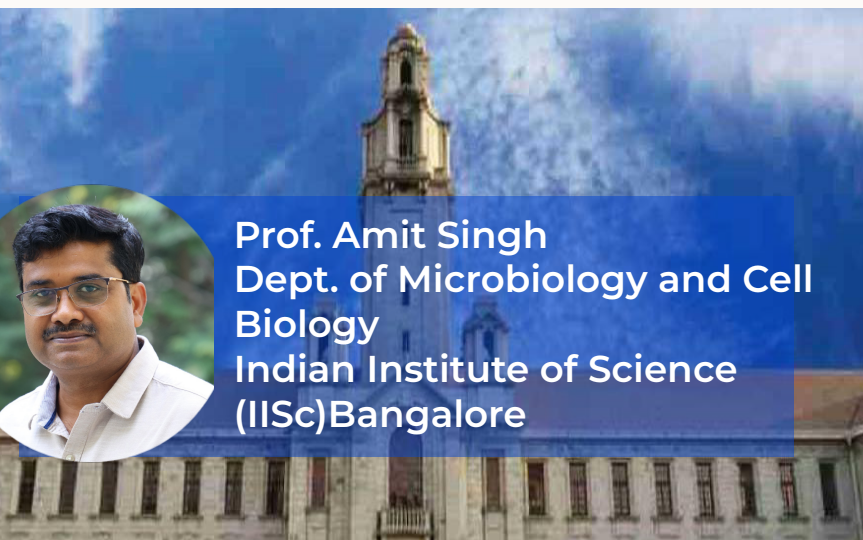




Proficiency Course Jan- May 2026 Antibiotics and Antimicrobial Resistance (AMR)



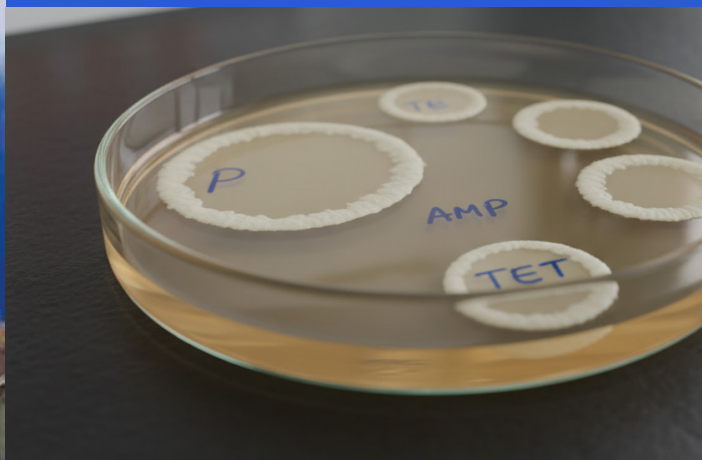
Prof. Amit Singh
Dept. of Microbiology and Cell
Biology
Indian Institute of Science
(IISc) Bangalore

Course Objectives

Understand antibiotics - their actions, and clinical applications. Expose learners to emerging therapies, novel antimicrobials, and non-traditional approaches (e.g., phage therapy, immunomodulators).

Syllabus

This course offers an in-depth understanding of antibiotics, encompassing their mechanisms of action, clinical applications, and role in managing infectious diseases. It addresses the escalating global challenge of antimicrobial resistance (AMR) by emphasizing the principles of rational antibiotic use and stewardship. Participants will gain practical competence in diagnostics, surveillance, and infection prevention. Integrating



scientific, clinical, public health, and policy dimensions, the course aims to prepare participants to contribute effectively to preserving antibiotic efficacy and advancing sustainable strategies for global health security.

Course Information

Number of credits – 1:0
Mode of Instruction
Online Classes

Duration
(JAN – MAY 2026)

Class Start Date

15 January 2026

Timings of the class
Thursday 6 P.M. – 7 P.M.



Scan QR to know more

Contact

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