



Department of Microbiology

CENTRAL UNIVERSITY OF HARYANA

(ACCREDITED WITH 'A' GRADE BY NAAC)



Academic Block

ABOUT THE DEPARTMENT:

The Department of Microbiology was established in the year 2015 under the umbrella of School of Interdisciplinary and Applied Life Sciences with the aim to impart high quality education to the students in the field of Microbiology. The updated course curricula is designed to prepare the researchers and teachers for universities, research institutes under ICAR, CSIR, DRDO, ICMR, BIS etc. and entrepreneurs in different areas.

The Department of Microbiology offers 31 seats in M.Sc. Program and 9 seats in Ph.D. program.

OBJECTIVES:

- To provide theoretical as well as research-oriented training to the masters' and doctoral students.
- To provide public awareness regarding the merits and demerits of microbes and microbial products in the fields of agriculture, food, health and environment.
- To perform quality research focusing on Microbiology and other interdisciplinary fields.

FACULTY PROFILES:

Name	Research Area
Dr Gunjan Goel, Associate Professor	Microbial ecology of different environments, more specifically the interaction of gut microbes with different food ingredients
Dr Surender Singh, Associate Professor	Development of microbial inoculants for improvement in crop yield and management of agricultural waste biomass, Microbial Enzymes
Dr Avijit Pramanik, Assistant Professor	"Trojan Horse" drug delivery system based on sideromycin and bacterial protein secretion systems
Dr Puja Yadav, Assistant Professor	Host-pathogen interaction more specifically targeting the G4 DNA: A Novel Therapeutic Target in Microbes
Dr Jitendra Saini, Assistant Professor	Biofuels and Bioenergy targeting the valorization of lignocellulosic biomass for co-production of valuable bio-products, Enzymes and Microbial Technology
Dr Vinod Yadav, Assistant Professor	Host-pathogen interaction targeting the mechanisms of gene regulation

ABOUT THE UNIVERSITY

Central University of Haryana is a Central University established under the Central Universities Act, 2009 of the Parliament. It is one of the 15 Central Universities established by MHRD, GoI under the XIth Five Year Plan (2007-12). The university has been awarded with 'A' Grade by NAAC.



Major Achievements of the Department

- Research grants from SERB-DST and UGC
- Students qualify competitive exams such as CSIR –NET/ ICAR-NET/ GATE etc.
- Guest Lectures by renowned Professors
- Students are placed in reputed universities for Higher Studies and in Industries
- Fully air conditioned labs and classrooms & Wi-Fi Services

Major Research Facilities

- HPLC
- Inverted Phase contrast microscope
- Refrigerated Centrifuges
- Deep Freezers
- Biosafety level-2 facility
- CO₂ incubator
- PCR
- Electrophoresis units
- Flame photometer
- Electroporator
- Experimental Field
- UV-Visible Spectrophotometer

CUCET-2019 (Important Information)

HOW TO APPLY: All the candidates need to apply through Central Universities Common Entrance Test For more details, log on to the official website www.cucetexam.in

Last date for filling an online application form is **13th April, 2019**

Program Code for **M.Sc:** **PG108**, Test Paper Code for **M.Sc.:** **PGQP22;** Program Code for **Ph.D.:** **RP015**, Test Paper Code for **Ph.D.:** **RPQP05**

Date of Examination for M.Sc.: **26th MAY, 2019, Sunday (9.00 AM-11.00 AM);** For Ph.D.: **26th MAY, 2019, Sunday (3:00 PM-05.00 PM)**