SCHOOL OF STUDIES IN BOTANY

Programmes Offered:
1. M.Sc.
2. M.Phil.
3. Ph.D.

Profile of the Department:
Since its inception, the School has been actively engaged in conducting good amount of high grade research work. Over 140 students have obtained Ph.D. degree under the supervision of the teachers of the school. The school has occupied an important position amongst the institutions of the country. Several research projects sponsored by DST, DBT, DOE, MPCST, Potash Research Institute, UGC, ICMR, etc. have been conducted successfully. Many teachers of the school have been honoured by various international and national awards. Highly qualified teachers of the school are specialized in various fields viz. Plant Pathology, Mycology, Plant Physiology, Biochemistry, Ethnobotany, Aerobiology, Stress Physiology, Mycotoxicology, Ecology, and Microbial Physiology and Biochemistry. The school is well equipped with number of modern instruments like, Atomic Absorption Spectrophotometer, UV-Vis Spectrophotometer, PCR, HS Certificates, Deepings, Air Samplers, etc. The school has organised a large number of conferences, seminars, symposia and workshops. Refresher courses for teachers in Botany and Microbiology have also been organised by the school. Teaching is imparted at the postgraduate level, M. Phil., Research leading to Ph. D. and D. Sc. degrees. Internationally eminent botanists of the country have always been associated with the school as visiting and honorary Professors. The botanical garden of the department comprises a good number of taxa of various groups including a large number of medicinal plants. The herbarium consists of over 6500 specimens and is recognised by New York Botanical Garden, New York.

Faculty:
Prof. Ashok K. Jain
Prof. K.K. Koul
Prof. Rekha Bhadauria, Head
Prof. R.M. Agrawal
Prof. Avinash Tiwari

1. M.Sc.:
   - (Two year / Four semester)

Eligibility:
- B.Sc. with Botany with 50% marks.

Available seats:
- Open = 30
- Payment = 10
- NRI = 05

Mode of Selection:
- On the basis of the merit in index based on the qualifying examinations.

Course Structure:

I – Semester
- Bacteriology, Virology & General Microbiology
- Biology & Diversity of Fungi & Plant Pathology
- Biology & Diversity of Algae, Bryophyta & Lichens
- Biology & Diversity of Pteridophytes & Gymnosperm
- Practical I
- Practical II

Group – A:
- Ethnobotany and Isolation of Natural Products, Stress Physiology

Group – B:
- Biochemistry and Metabolism in Plant, Plant Pathology & Mycotoxicology, Agroecosystem

1. The Elective papers shall be allotted on the basis of merit of the student in the previous semesters.
2. The elective papers to be taught in a particular session: To be decided by Staff Council the beginning of IV-semester.

M.Phil (Botany):

Eligibility:
- M.Sc. Botany with 55% marks.

Available seats:
- OPEN - 10
- NRI = 02

Mode of Selection:
- On the basis of merit in test conducted by the university.

Fees for the course:

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<th>Course</th>
<th>I Semester</th>
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<th>IV Semester</th>
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Payment Seat: M.Sc. Rs. 7000/- additional to the fees for Open seat.