

Department of Botany
KURUKSHETRA UNIVERSITY, KURUKSHETRA
Information about Academic Departments for Web-Portal
(Academic Departments)

Departmental Profile

Located in Kurukshetra, the land of the *Gita & Mahabharat*, Kurukshetra University is a premier institution of learning in India. Founded in 1956, The University started as a unitary teaching & residential University to promote Indology. However, within five years of its inception, the institution developed into a multi-faculty University. And, in this series, the department of Botany was established in the year 1967 and housed in the building of Art's Faculty. Later, it was shifted to the Mathematics Building of the University. However, in 1985, a separate building was raised for the Department, where it is presently situated.

The Department was nourished & developed under the able leaderships of Prof R S Mehrotra, Prof M L H Kaul, Prof L C Lamba, Prof S Bhambie & Dr R P Narwal. Presently, the department has **five** Professors, one Reader and two Senior Lecturers. About 600 research papers/ scientific articles have been published so far in the journals of National and International repute. The department has produced about >90 Ph.D. students so far. Several research projects sanctioned by various funding agencies were successfully completed in the department.

Major areas of Research in the Department include Physiology and Biochemistry, Genetics, Microbial Biochemistry, Experimental Botany, Plant and Microbial Ecology, Taxonomy, Applied Phycology, Plant Tissue Culture, Mycology and Plant Pathology. Many faculty members visited abroad for advanced training in their respective areas and for participation in international conferences/congresses. Besides they have held membership of various national and international association and societies. The department maintains a library, a small Botanical Garden, a Glass House, an Environment Controlled Ploy Carbonate House and a Medicinal Herb Garden. At present there are several full-time research scholars working in different areas of Botany. They are getting scholarships from the university and other agencies. Many of our students passed NET/SET/GATE examinations successfully and have completed research from this department. A large number of our students are occupying teaching and other positions in the country (For detail, please refer to the List of Alumni). The department has organized Refresher Course in Botany **four times** on a national level. The last Refresher Course was held in December 2001. Several eminent Professors & Scientists from various other Universities/ Institutions have been regularly visiting this department and have delivered lectures useful to our PG level students as well as sharing research knowledge with the Research Scholars & faculty members of the Dept. The department has very healthy academic atmosphere and a congenial teacher-taught relationship.

Chairperson : **Prof. Ashok Aggarwal**
Contact Information : 01744-238207 (R);
098962-48039 (Mobile);
aggarwal_vibha@rediffmail.com

Faculty Information :

Sr. No./Name & Designation	Joining Date	Specialization	Qualifications	Contact Information
Chairperson: Ashok Aggarwal	13 th July 1987	Mycology, Microbiology, Plant Pathology	M.Sc., M. Phil., Ph.D.	01744-238207 (R); 098962-48039 (Mobile); aggarwal_vibha@rediffmail.com
Professors: 1. D. Mukherjee 2. S.R. Gupta 3. N.K. Matta	Jan. 1972 Feb. 1977 Feb. 1985	Plant Physiology & Biochemistry Ecology & Environmental Sciences Genetics & Molecular Biology	M.Sc., Ph.D. M.Sc., Ph.D. M.Sc., Ph. D.	01744-238893 (R); 094160-38893 (Mobile); dibumukherjee@gmail.com 01744-239908 (R); sgupta2002@yahoo.com 01744-239241 (R); nkmatta@rediffmail.com
Readers: 1. B.D. Vashistha	13th July 1987	Bryology and Plant Tissue Culture	M.Sc., M. Phil., Ph.D.	098687-60528 (Mobile); bhoodev_vashistha@yahoo.co.in
Lecturers: 1. C B Singh 2. Narender Singh	15 th July 1998 15 th July 1998	Applied Phycology, Cyanobacterial Biotechnology and Plant Tissue Culture Stress Physiology & Plant Tissue Culture	M.Sc., Ph.D. M.Sc., Ph.D.	01744-238666 (R); 094160-39666 (Mobile) cbsinghbhu@gmail.com ; cbsinghbhu@sancharnet.in 01744-229592 (R); 094164-12622 (Mobile); nssheorankuk@yahoo.com

Courses Offered: Types of Courses (Post-graduate & Others) and Systems of Examination

Profile of different courses offered:

Sr. No.	Degree Type	Course Duration	No. of sanctioned seats	Scheme of Exam. (Annual/Semester)
1.	M.Sc.	2 Years	25+10	Annual
2.	M. Phil.	-	15	-
3.	Ph.D.	-	Teacher-wise (as per UGC rules)	-

Details of different Courses:

Course Name : M.Sc.,
Course Type : Postgraduate
Exam Scheme : Annual

Duration : M.Sc. - 2 Years,

Semester-wise/ Year-wise details:

Sr No	Paper Name	Paper Code	Paper Type	Paper Remarks	Max. Marks	Internal Marks	External Marks
(A) M.Sc. Previous:							
1.	Biology & Diversity of Lower Cryptogams & General Microbiology	Paper-I	Compulsory		80		-
2.	Biology & Diversity of Higher Cryptogams & Gymnosperms	Paper-II	Compulsory		80		-
3.	Cytology, Genetics & Molecular Biology	Paper-III	Compulsory		80		-
4.	Ecology & Resource Conservation	Paper-IV	Compulsory		80		-
5.	Biology & Diversity of Lower Cryptogams & General Microbiology and Biology & Diversity of Higher Cryptogams & Gymnosperms	Practical-I	Compulsory		80		-
6.	Cytology, Genetics & Molecular Biology and Ecology & Resource Conservation	Practical-II	Compulsory		80		-
7.	Seminar				20	20	NA
(B) M.Sc. Final:							
8.	Plant Physiology & Biochemistry	Paper-V	Compulsory		80		
9.	Biology & Diversity of Angiosperms	Paper-VI	Compulsory		80		
10.	Biotechnology	Paper-VII	Compulsory		80		
11.	Elective Papers: 1. Advanced Phycology 2. Applied Mycology & Plant Pathology 3. Plant Propagation: Concepts & Applications 4. Advanced Plant Physiology 5. Restoration Ecology & Conservation Biology	Paper-VIII	Optional		80		
14.	Biology & Diversity of Angiosperms and Biotechnology		Compulsory		40		-
15.	Plant Physiology & Biochemistry		Compulsory		40		
15.	Seminar		Compulsory		20	20	NA

	of amino acids during leaf senescence.	2007		
Prof. N.K. Matta	Rice Seed Protein Fraction under varying genetic and Environmental Conditions	2006 to 2009	DAE	11.21

Information on Achievements:

Sr. No.	Achievement Area	Achievement Details
1.	1. Raising & maintaining Medicinal Garden	Ongoing

(CHAIRMAN)