

EVALUATIVE REPORT-18

DEPARTMENT OF BOTANY

1. Name of the Department - **Botany**
2. Year of Establishment - **1979**
3. Names of Programs / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) - **B.Sc. Ph.D. Research Centre**
4. Names of Interdisciplinary courses and the departments/units involved - **NIL**
5. Annual/ semester/choice based credit system (program wise) - **U.G.-Annual**
6. Participation of the department in the courses offered by other departments - **NIL**
7. Courses in collaboration with other Universities Industries, Foreign Institutions, etc. - **NIL**
8. Details of courses/programs discontinued (if any) with reasons - **NIL**
9. Number of Teaching posts -

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	01
Asst. Professors	03	-
Part time lecturer	-	02

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil etc.)

Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D. Students guided for the last 4 years
Dr. Abha Arora	M.Sc., Ph.D.	Under T-70	Physiology Biochemistry	42	NIL
Dr. NeelKamal Sharma	M.Sc., B.Ed.	Part time Lecturer	Physiology Biochemistry	6	NIL
Avita Chaudhary	M.Sc., B.Ed.	Part time Lecturer		02	NIL

11. List of senior visiting faculty **NIL**

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty - **B.Sc. Theory Practical**
100% 100%
13. Student -Teacher Ratio (program wise) - **Program B.Sc. Ratio 90:1**
14. Number of academic support staff (technical) and administrative staff, sanctioned and filled –

		Sanctioned	Filled
Lab. Assistant (L.A.)	U.G.	01	01

15. Qualifications of teaching faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil. / P.G. – - **Ph.D. – 01**
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received - **NIL**
17. Departmental projects funded by DST FIST; UGC, DBT, ICSSR, etc. and total grants received - **NIL**
18. Research Centre /facility recognized by the University - **NIL**
19. Publications
a) Publication per faculty

DETAILS OF PUBLICATIONS BY FACULTY MEMBERS

Name	Title	Name of Journal	Vol. No.	Page No.	Year
Dr. Abha Arora	Studies of on the changes of some endogenous indoles in light and dark green seedlings of Cucumis sativus.	Indian Bot. Soc.	57	45	1978
	Comparative studies on the changes in the endogenous indoles in light and dark seedlings of Pisum sativum	Indian Science Cong. Asso.	65	102	1978
	Changes in free and bound IAA accompanying leaf ageing in Cicer Arietinum CV G130 and Phaseolus Mungo CV	Indian Bot. Soc.	58	84	1979

	Changes in free and bound IAA accompanying leaf ageing in Vicia faba and Pisum sativum CV Bonneville	Indian Science Cong. Asso.	66	203	1979
	Significance of bound auxin in developing seeds and pods in certain legumes.	Proc. Indian Nat.Sci. Acad.	3	356	1980
	Changes in free and bound indoles accompanying loss of viability of Pisum sativum and Vicia faba seeds	-	59	143	1980
	Changes in endogenous IAA levels accompanying leaf ageing	Current Science	5	356	1986
	Applied aspects of Stevia reboundiana- a review.	Adv. Plant Sci.	22(1)	303-305	2009
	Effect of distillery spent wash on seed germination in Stevia reboundiana Bertoni	Adv. Plant Sci.	22(2)	613-614	2009
	Use of distillery spent wash as bio Fertilizers: a review.	Natcon	21(2)	341-345	2009

- * Number of papers published in Peer reviewed Journals (national/international) by faculty and students - **05**
- * Number of publications listed in International Database –
(For e.g.: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) **NIL**
- * Monographs - **NIL**
- * Chapter in Books - **NIL**
- * Books Edited - **NIL**
- * Books with ISBN/ISSN numbers with details of publishers –
- * Citation Index **-NIL**
- * SNIP **-NIL**
- * SJR **-NIL**

- * IPP -NIL
- * Impact factor -NIL
- * h-index -NIL

20. Areas of consultancy and income generated NIL

21. Faculty as members in

- a) National Committees NIL
- b) International Committees - NIL
- c) Editorial Board - NIL

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/program -27
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies -NIL

23. Awards / Recognitions received by faculty and students - NIL

24. List of eminent academicians and scientists/ visitors to the department - NIL

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) National **02- National Institute of Education Planning and Administration, New Delhi**
- b) International **N.C.E.R.T, NEW DELHI**

26. Student profile program/course wise:

Name of the Course/program (Refer question no.4)	Class	Applications Received	Selected	Pass %
B.Sc.	I	1393	60	90%

27. Diversity of Students

Name of the Course	% of students from the same	% of students from other	% of students from abroad
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	state	States	
B.Sc.	100%	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? - **NIL**

29. Student progression -

UG to PG	75%
PG to M.Phil.	N.A
PG to Ph.D.	N.A
Ph.D. to Post-Doctoral	N.A
Employed • Campus selection • Other than campus recruitment	NIL
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities

- a) Library – **Departmental Library**
b) Internet facilities for Staff & Students - **YES**
c) Class rooms with ICT facility -**YES**
d) Laboratories -**YES**

31. Number of students receiving financial assistance from College, University, Government or other agencies - **NIL**

32. Details on student enrichment programs - (Special lectures/workshops/seminar) with external experts – **Special Guest Lectures**

33. Teaching methods adopted to improve student learning – **With PPT**

34. Participation in Institutional Social Responsibility (ISR) and Extension Activities -Students participate in ISR through- **N.S.S., N.C.C. and Rovers /Rangers**

35. SWOC analysis of the department and future plans

S (Strength) -

- Students who obtained good position in College and University are awarded by the College and their photos are printed in the College magazine to inspire other students.
- Dedicated, Well Qualified, Experienced and Energetic staff.
- Literary activities of the department and field activities like demonstration of living wild plant and preserved museum.

W (Weakness) -

- College is working in multicultural urban areas – students come to the College not only from near villages but also from remote rural areas of the neighboring towns. The institute does not have its own transport facilities, so their presences in the class room sometimes get affected.
- Lack of English communication skill is the major draw-back.
- Traditional syllabus in B.Sc. which is not professional or technical. Therefore, it is unable to attract advanced learners.
- Teacher students' ratio is very less.
- Lack of botanical garden and Gardener.

O (Opportunities) -

- Hard work with peace and harmony in order to achieve excellence in academics of our staff.
- Regular classes.
- Regular lab work starting from 1st Sept., to 15th February.
- Highly practical and innovative approach.
- Special attention is given to slow learners by using ICT.

C (Challenges) -

- A large no. of students admitted in the college belonging to SC/ST/OBC/Minority and girls. To bring them in the stream of higher education is our challenge.

Future Plan –

- To introduce master degree program and research projects in botany.

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