

## Departmental report format for website



### 1) **ABOUT THE HOD**

Dr Sangeeta Godbole presently Heads the department of Botany since March 2019. She worked as a research scholar under DBT fellowship for her PhD work at BARC, Trombay 1990-1995. She was appointed at Jai Hind college in August 1996 and has a vast experience of 24 years of undergraduate teaching. Her area of interest in the subject of Botany includes Plant Molecular Biology and Biotechnology, Cytogenetics, Plant Physiology and Plant Biochemistry and has 18 years of post graduate teaching experience at various colleges affiliated to University of Mumbai. She is also presently, an approved PhD guide, in the subject of Botany. She was elected as a teachers representative "Member of Senate" for University of Mumbai (2011-2015) during which she has shared several academic and administrative responsibilities of University of Mumbai.

#### 1. **Message from the HODs desk:**

It is my pleasure to share a few words on Botany as a subject of choice at undergraduate and postgraduate level at Jai Hind college. Bachelor of science in the subject of Botany covers detail study of plant science from primitive to most advanced. Syllabus framed at Jai Hind college is specially designed by its dedicated teachers, to cover in depth knowledge of all branches of plant sciences and includes the most advanced topics on Genetic engineering techniques for crop improvement, DNA bar-coding, Pharmacognosy and medicinal botany, Techniques involved in Molecular biology as well as Forensic sciences with reference to plant studies. Department of Botany is funded by star DBT to promote practical based learning. Extensive emphasis is made to inculcate research in students mind. Students are motivated to work on research projects, as per their area of interest. They are guided by highly experienced, eminent faculty of Jai Hind college to present their research work at various intercollegiate research competitions and conferences. Being an autonomous college, we at Jai Hind are able to bring in quick modifications in syllabi, to suit industry requirement and job opportunities. Horticulture and Gardening is introduced as an applied component of Botany at TYBSc level. This subject is in great demand among Jai Hind students, especially for the in depth knowledge and practical training provided by Jai Hind faculty. It helps students gain mastery over several interesting topics covered in Horticulture and moves them a step further, towards being successful entrepreneurs. Additionally, students are encouraged to enroll for department as well as cross faculty

AAA training courses to help their overall development and offer career opportunities. Few important courses taught under AAA programme of Botany in the last academic year included a course on Perfumery, Microtomy and permanent slide preparation and Miniature landscape preparation. Many more interesting courses will be added every year keeping students interest and opportunities in mind.

## **2. Message about the department:**

The Department of Botany is one of the oldest departments in Jai Hind College. The subject of Botany was introduced at the B.Sc. subsidiary level right from the inception of Jai Hind college and was subsequently continued as a Principal/ Major subject at the B. Sc. Degree level from the year 1962. With the introduction of 10 + 2 + 3 pattern at the undergraduate level, Botany is being offered as a Major subject (6 units) along with Horticulture and Gardening as an applied Component. The Department of Botany was recognized by the University of Mumbai for M. Phil., M. Sc. (By Research) from the year 1980 and Ph.D. (Science) in the subject of Botany from the year 1984.

**USP:** All faculty members are highly motivated towards research and continuously improving their academic qualifications.

1. The department is recognized for Ph.D. with two research guides. The department has produced 22 Ph.D. and 10 M.Sc. (By Research) Post Graduates.
  - 11 Ph.D. + 8 M.Sc. (by research) under the guidance of Dr B Sasikumar.
  - 5 Ph.D. + 2 M.Sc. (by research) under the guidance of Dr. Mrs S. Sasikumar.
  - 2 Ph.D. under the guidance of Dr. B. M. Tamhane.
  - 4 Ph.D. under the guidance of Dr. A. N. Joshi.
  - 1 Ph.D. student is registered under the guidance of Dr. S. A. Godbole (Present HOD).
  - 2 Ph.D. students are registered under the guidance of Dr. Devangi Chachad.
2. Most of the teachers are Post Graduate lecturers.
3. Most of the faculty members are examiners, paper setters or moderators for various university exams. They are also members of Board of Studies at various autonomous colleges.
4. Department has been regularly organizing academic workshops, conferences and lectures by eminent researchers for the benefit of students and teachers
5. Excursions (Local and outstation) are arranged for Botany and Horticulture students.
6. Alumni of the department are invited to demonstrate their skills to the current batch of students.
7. Students are encouraged and trained to participate in various intra, inter-collegiate and inter-university level (extra-curricular and co- curricular) competitions.

8. Students have been winning in most of these competitions due to their hard work and able guidance from teachers of this department. In the academic year 2018-2019, students of the department won Silver Medal at Avishkar-2018, which is a prestigious research competition.

### 3. Faculty details:

- **Dr. Sangeeta A. Godbole**

- i. Passport size photo:



- ii. Name: Dr. Sangeeta A. Godbole
  - iii. Designation: Associate Professor and Head, Department of Botany
  - iv. Qualification: M.Sc. Ph.D.
  - v. Specialization: Cytogenetics, Plant Physiology, Molecular Biology and Biotechnology, Plant Biochemistry
  - vi. E-mail id: [sangeeta.godbole@jaihindcollege.edu.in](mailto:sangeeta.godbole@jaihindcollege.edu.in)

- **Dr. Devangi P. Chachad**

- i. Passport size photo:



- ii. Name: Dr. Devangi P. Chachad
  - iii. Designation: Assistant Professor
  - vii. Qualification: M.Sc. Ph.D.
  - iv. Specialization: Angiosperms and Phytochemistry, Pharmacognosy
  - v. E-mail id: [devangi.chachad@jaihindcollege.edu.in](mailto:devangi.chachad@jaihindcollege.edu.in)

- **Dr. Payal A. Acharekar**

- i. Passport size photo:



- ii. Name: Dr. Payal A. Acharekar
    - iii. Designation: Assistant Professor
    - iv. Qualification: M.Sc. M.Sc. (U.K) Ph.D.
    - v. Specialization: Environmental Botany
    - vi. E-mail id: payal.acharekar@jaihindcollege.edu.in

- **Dr. Archana D. Ashtekar**

- i. Passport size photo:



- ii. Name: Dr. Archana D. Ashtekar
    - iii. Designation: Assistant Professor
    - iv. Qualification: M.Sc. Ph.D.
    - v. Specialization: Plant Physiology and Biochemistry, Molecular Biology and Biotechnology
    - vi. E-mail id: archana.ashtekar@jaihindcollege.edu.in

- **Dr. Bharati S. Bist**

- i. Passport size photo:



- ii. Name: Dr. Bharati S. Bist
    - iii. Designation: Assistant Professor
    - iv. Qualification: M.Sc. Ph.D.
    - v. Specialization: Angiosperms and Phytochemistry, Environmental Botany

vi. E-mail id: bharati.bist@jaihindcollege.edu.in

● **Ms. Manoshree Mondal**

i. Passport size photo:



- ii. Name: Ms. Manoshree Mondal  
iii. Designation: Assistant Professor  
viii. Qualification: M.Sc.  
ix. Specialization: Plant Physiology and Biochemistry  
iv. E-mail id: manoshreemondal@gmail.com

**4. Programmes offered:**

Sr. No.	Programme name	Degree/diploma/certificate	Aided/Self financed
1	F.Y.B.Sc	Degree	Aided
2	S.Y.B.Sc	Degree	Aided
3	T.Y.B.Sc	Degree	Aided
4	M.Sc (Research)	Degree	Aided
5	Ph.D	Degree	Aided
6	Perfumery	Certificate course	Self financed
7	Permanent Slide making	Certificate course	Self financed
8	Miniature Landscape Making	Certificate course	Self financed

**5. Student Achievement for 2018-19:**

- Nivedita Mahajan was awarded the subject topper in T.Y.B.Sc.
- Our T.Y.B.Sc. students Shirin Khan, Saloni Kothari, Nivedita Mahajan, Farzan Afkham, Trina Vyas, Shaheen Tehsildar and Aksa Bamne received “Outstanding contribution to Research” award.

- Shirin Khan and Saloni Kothari was awarded Silver medal in Avishkar Category III UG Level.
  - Nivedita Mahajan and Farzan Afkham were awarded First prize in Poster presentation at International conference held at Patkar College and Second prize in Xplore 2019.
  - Trina Vyas, Shaheen Tehsildar and Aksa Bamne were awarded Second prize in poster presentation at International conference held at Patkar College.
  - Unnati Verma, Kajal Uniyal, Analise Dias and Meha Mepani were awarded Second Prize in Xplore 2019
6. **Upcoming events:**
  7. **Eligibility requirements:** As per UGC norms