

Department of Botany

Topics

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Introduction

Arts Commerce & Science College was established in the year 1963. The Science faculty was started in the year 1992. The Department of Botany started since 1992. Mr. S. K. Sewane was first head of the department of Botany. Later Dr. A. S. Dahat was appointed as a regular lecturer in 1996. Initially, Science faculty was run on unaided basis. It was granted aid in the year 2002. Prof. A. S. Dahat was awarded Ph.D. in the year 2008. Mr. Prof. S.K. Sewane got retired in the year 2017. Presently, Prof. Dr. A.S. Dahat has been working as the head of the department. The Contributory teacher Ku. Monali D. Khode, Ku. Chitra Nakhale and Mr. Rahul A. Narnawre assist him in the teaching work of department.

Botany is one of the interesting subject of Biology students which helps them to gain detailed knowledge of plant Taxonomy, evolution, Cytogenetic, and Medicinal plants and Fossil plants etc. There is ample flow of students seeking admission in subject Botany. The mission of the college is to provide, 'extending the horizons of knowledge'

Profile of Department

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Name – Dr. A. S. Dahat

Designation- Assistant Professor and Head

Qualification- M.Sc (Botany), Ph.D.

Date of Appointment -3-10-1996



Name :- Mr. Chandrashekhar B. Dongre

Designation:- Laboratory Attendant

Date of Appointment:- 21-02-1994

Facilities in Department:

The Botany laboratory was constructed and well established in the year 2004. The laboratory is well equipped with all necessary equipment and chemicals. The laboratory has ample space for laboratory work and stock room. The seating arrangement for practical work in laboratory is for 40 students.

The department works hard to cope up the life science learner. The laboratory is well equipped. Major equipment are oven, centrifuge, electrophoresis, and binocular microscope signal pan weaning pan balance, spectrophotometer and charts.



Stock room

Departmental Library

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Department has small departmental library with near about 50 number of books. Some students are very poor; they cannot offered the expensive books hence the department provide them books up to examination.



Department Activity

Session- 2017-2018

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1) Bridge Course

Bridge course is a means to make students prepared to face the intellectual challenges of university education. It is designed for first year students only. It bridge the gap between higher secondary education and the university curriculum. After successful completion of the course it becomes very easy for teachers to identify slow and advanced learners quickly and design the teaching plan accordingly.



2-Self Governing Day



Miss. Aditi Khonde Delivering lecture and Miss. Ankita Asole delivering lecture on Teacher Day

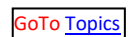
3- Botanical Excursion

The Tour was organized by Botany and Zoology department. About 45 students attended the tour. Prof. S. K. Sewane, Prof. Dr. A. S. Dahat, Prof. Dr. V. Y. Mulye and Prof. Dr. M. S. Bhojer were present for the tour.

During this tour the students visited to different places of Nagpur city like fishery dept. at Telankhedi, Sericulture Dept., Academic Staff college, Nagpur, Botanical Garden Ambazari lake and Laxmi Narayan Temple. Students gain lot of knowledge about fishes, Silkworm, Ornamental plants, flowering and nonflowering plants.



Research Publication



- 1) P.J. Kale, J. A. Tidke and A. S. Dahat (2017). Study of flowering phenology and pollination in *Cajanus cajan* L. International Journal of Applied Research. 3(3S) G 211-214. ISSN 2394-5869.
- 2) A. S. Dahat, J. A. Tidke and P.J. Kale (2017). Insect pollination, fruit set and seed yield in *Sesamum indicum* L. (Pedaliaceae). International Journal of Applied Research. 3(3S)F 166-171. ISSN 2394-5869.

PAPER PRESENTED AT CONFERENCE

Kale, P. J., Tidke, J.A. Dahat, A. S. and Deshmukh, O.S. The Wild pollinators and pollen carried out by them in *Helianthus annuus* L. XX National conference on Aerobiology organized by Department of Botany Sant Gadge Baba Amravati University, Amravati on 29th -31st Jan 2018. (Oral Presentation)

Dahat, A. S., Tidke, J.A., and Kale, P. J. The Wild pollinators and pollen carried out by them in Capsicum annum. XX National conference on Aerobiology organized by Department of Botany Sant Gadge Baba Amravati University, Amravati on 29th -31st Jan 2018. (Oral Presentation).

Conference/Symposium/Seminar/Workshop Attended

- 1) National conference on Recent advances and opportunities in biological sciences organized by department of Zoology and Botany Late PG Arts and Science Mahavidyalaya, Shirpur (Jain) Malegaon, Washim on 17 March 2017.
- 2) National conference on Recent trends in biotechnology and biodiversity organized by Department of life sciences Shri shivaji science college, Amravati on 22 and 23rd Sept- 201
- 3) Participated in XX National Conference of Aerobiology-2018 organized by Department of Botany,S.G.B. Amravati University,Amravati in collaboration with Indian Aerobiology Society during 29th -31st January,2018.
- 4) Participated in Workshop on “Patent Drafting.Filling & Processing” held at Vidya Bhararti Mahavidyalaya,Camp,Amravati,on 29th November,2018.

Session -2018-2019

Bridge Course

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Test on bridge course

Study Tour

Department of Botany and Zoology organized study tour at Shivtirth Umri Dam 13-02-2019.

For the said Educational tour 40 students were participated. In this tour we visited various agronomic form. Technician Provided detail information about crop plants as well as medicinal plants. At Umari Dam wild vegetation was observed. Students studied the Biodiversity of plants, "Umari Dam" is very rich for vegetation. Students noted some medicinal plants, and some crop plants and how the plants are economically important. Technician also shown all the equipment which are used in agricultural practices. Here the



students fully enjoyed water Park, Amusement park, adventure, and boating.

Diagrams drawing Competition

In every year we celebrated "Science Day" on 28th February. On the day we arrange various activity like "Rangoli competition, Ranbhajirecepi" (wild vegetable recipe) competition. About 23 students participated in this activity. Students drew various diagrams of the cell organelles of plant cell, internal structure of roots, stem, leaf and reproductive organs of plants. The diagrams were evaluated by the judges.



Student Seminar

The student seminar was held on 28thsept. 2019 at 12.00 o clock in the dept. of Botany. B.Sc. I, II, III Year student were participated in seminar programme. 20 student delivered their seminar. The valuation of Seminar was done by Dr. M.S. Bhojarand Dr. A.S. Dahat. The prize was distributed to I, II, III rank Students.



Chart and Model Exhibition

The model and chart exhibition was organized by Botany & Zoology department on 5th January 2019. Total 20 students participated in the competition. They selected the topic of chart and model of their own interest. Students participated in group and individually. They got an opportunity to show their practical skill and express the knowledge on particular topic of their own interest. The inaugurated speech was given by Dr. A.S.Dahat Hod of Botany Department. Students skillfully demonstrated their chart and model. Introduction of program was given by Dr.V.Y.Muley (HOD of Zoology) .The valuation was done by Prof.A.D.Kawrase and Prof. Dr.V.M.Khadse. The program chaired by chairperson Dr.H.R.Virulkar and vote of thanks was delivered by Dr.M.S.Bhoyar



Projects:

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Field project

On

[“Survey of Medicinal Plant Around Arvi City”](#)