

**Late. Bhimrao Chavhan Art's & Science
College Chavanwadi
(Barhali) Tq. Mukhed Dist. Nanded-431715**

- ▶ **Department of Chemistry**
- ▶ **NAAC PEER TEAM**
- ▶ **Cycle – 1st**

Shri. Surnar B. D.
Asst. Professor (Ad-Hoc)
Chemistry Department

Introduction to the Department

- ▶ • Established in 1998
- ▶ • Vision: Foster knowledge in plant science for sustainable development
- ▶ • Mission: Promote academic excellence, research, and environmental responsibility
- ▶ • Achievements: University ranks, successful alumni, green initiatives



Department of Chemistry– Student Strength Overview

- ▶ Number of Students in Recent Years:
 - ▶ • First Year (FY): 32 Students
 - ▶ • Second Year (SY): 15 Students
 - ▶ • Third Year (TY): 14 Students
- ▶ Note: Department is expanding its intake and progressing steadily toward offering third-year classes in upcoming academic sessions.

Core Subjects in B.Sc. Chemistry

- ▶ Organic Chemistry,
- ▶ Inorganic Chemistry,
- ▶ Physical Chemistry, and Analytical Chemistry

Laboratory Facilities

- ▶ Workbenches
- ▶ Fume Hoods
- ▶ General Laboratory Equipment
- ▶ Specialized Instruments
- ▶ Other Facilities
- ▶ Storage
- ▶ Specific Areas
- ▶ Safety
- ▶ Organization
- ▶ Maintenance

Field Work & Projects

- Chemistry and the Development of New Product Materials.
- The Chemistry of Perfume.
- Analyzing the Chemical Structure of Detergents.
- The Chemical Properties of Battery Types.
- The Chemistry of Soap.
- The Chemistry of Toothpaste.
- The Chemistry of Pigments and Solvents.

Student Activities



- What are the properties of transition metals?
- What causes pressurized cans to explode?
- How do you make disappearing ink?
- What would happen if you put a drop of water on a pile of hydrophobic sand?
- What are examples of exothermic and endothermic reactions?

Future Prospects

- ▶ • Higher Studies: M.Sc., NET, GATE
- ▶ • Careers: Researcher, Biotechnologist, Forest Officer
- ▶ • Placements: NGOs, agro-industries, Chemical Industries

Future Plans



- strengthening research capabilities, enhancing teaching methods, and expanding collaborations
- This can involve upgrading labs, fostering research culture, and increasing engagement with industries and other institutions
- Specific goals may include pursuing national research prominence, increase graduate student populations, and implement comprehensive hiring



Thank You