

**KALIKADEVI ARTS COMMERCE AND SCIENCE COLLEGE, SHIRUR
(KA.), DIST: BEED
DEPARTMENT OF CHEMISTRY
DEPARTMENT PROFILE**

➤ **Scope and Importance of Chemistry**

Chemistry plays an important role in our daily lives. Many types of bio-molecules which are obtained by chemical process are used as food preservatives. Analgesics are also used for reducing or abolishing pain without causing impairment of consciousness and mental confusion. There are many drugs which are used for the treatment of various diseases such as cancer. Chemistry also plays an imp. Role in nuclear activities.

In a nutshell, the importance of chemistry is that it explains the world around you.

Chemistry Explains....

Cooking

Chemistry explains how food changes as you cook it, how it rots, how to preserve food, how your body uses the food you eat, and how ingredients interact to make food.

Cleaning

Part of the importance of chemistry is it explains how cleaning works. You use chemistry to help decide what cleaner is best for dishes, laundry, yourself, and your home. You use chemistry when you use bleaches and disinfectants and even ordinary soap and water. How do they work? That's chemistry.

Medical

You need to understand basic chemistry so you can understand how vitamins, supplements, and drugs can help or harm you. Part of the importance of chemistry lies in developing and testing new medical treatments and medicines.

Environmental

Chemistry is at the heart of environmental issues. What makes one chemical a nutrient and another chemical a pollutant? How can you clean up the environment? What processes can produce the things you need without harming the environment?

We're all chemists. We use chemicals every day and perform chemical reactions without thinking much about them. Chemistry is important because everything you do is chemistry! Even your body is made of chemicals. Chemical reactions occur when you breathe, eat, or just sit there reading. All matter is made of chemicals, so the importance of chemistry is that it's the study of everything.

➤ **Importance of Taking Chemistry**

Everyone can and should understand basic chemistry, but it may be important to take a course in chemistry or even make a career out of it. It's important to understand chemistry if you are studying any of the sciences because all of the sciences involve matter and the interactions between types of matter. Students wanting to become doctors, nurses, physicists, nutritionists, geologists, pharmacists, and (of course) chemists all study chemistry. You might want to make a career of chemistry because chemistry-related jobs are plentiful and high-paying. The importance of chemistry won't be demised over time, so it will remain a promising career path.

Aims of the Department:

- To create interest and impart the knowledge of chemical science to the students.
- To develop skills in practical's and laboratory instruments.
- To make the students aware of natural resources and environment.
- To provide practical experiences which is a part of their learning processes.
- To make the students fit for the society.

Introduction of the Department:

The chemistry department of Kalikadevi Sr. College plays very important role in achieving goals and objectives of the institution. It is our Department's goal to continuously meet the educational needs of all the chemistry students by promoting the use of modern technology in teaching learning process. The department is dedicated to delivering high quality education to the students. The faculty members are keenly interested in creating ICT resource materials. Faculty

also demonstrates the PowerPoint presentations on various topics of chemistry. The department also runs the remedial classes, at the beginning of academic year, faculty find out the weaker students by conducting oral test and conduct the remedial classes for them.

Establishment:

The Chemistry Department was established in **June 2005**.

Sr.No	Name of Assist Prof/ Prof	Date of Joining	Last date of working	Contributing Years
1	Dr. Lomate S.B	01/12/2010	07/02/2039	29
2	Mr. Ningdale V.B	14/10/2011	30/06/2041	30
3	Mr. Chaudhar U.N	14/10/2011	30/09/2046	35
4	Mr. Sampal S.N	14/10/2011	31/12/2044	33

- **Achievement of department in brief**
- **List of Teachers participated as External Examiner**

Sr. No.	Name of Examiner	Name of College	Date	Year
1	Dr. Lomate S.B.	P.V.P. College, Patoda	14-18 March	2015
2	Dr. Lomate S.B.	P.V.P. College, Patoda	22 Feb. to 1 March	2016
3	Dr. Lomate S.B.	P.V.P. College, Patoda	1-5 March	2017
4	Dr. Lomate S.B.	P.V.P. College, Patoda	6-12 March	2018
4	Mr. U. N. Chaudhar	Attal College, Georai	1-5 March	2012-18
5	Mr. S. N. Sampal	ACS College, Pimpalner	1-12 March	2012-18

•Resource Persons:-

Sr. No.	Name of Resource person	Name of College	Date	Year
1	Dr. Lomate S.B.	Vasant College, Kaij	30/01/2013	2013

02	Mr. Chaudhar U.N.	Anand College, Pathardi	04/11/2012	2012
2	Mr. Chaudhar U.N.	Anand College, Pathardi	20/10/2013	2013
3	Mr. Chaudhar U.N.	Anand College, Pathardi	27/03/2015	2015
4	Mr Sampal S. N.	Pratishthan College paithan	20/01/2012	2012
5	Mr Sampal S. N.	Miliya College Beed	24/01/2017	2018

• **Publications**

Sr. No.	Name of the faculty	Research papers published
1	Dr. Lomate S.B.	12
2	Mr. Chaudhar U.N.	10
3	Mr. Sampal S.N.	02
4	Mr. Ningdale V.B.	10

• **Conference / Seminar / Workshop / Orientation / Refresher /
Short term courses attended**

Sr.No.	Name	Conference/Seminar/Workshop	Orientation course	Refresher course
1	Dr. Lomate S.B.	17	01	01
2	Mr. Chaudhar U.N.	16	01	01
3	Mr. Sampal S.N.	10	01	01
4	Mr. Ningdale V.B.	06	00	00

➤ **Student Achievements**

Academic year 2016-17

List of Topper Students

Sr. No.	Name of students	Percentage	Class
1	Shiakh Nilo Mubarak	86.60	I
2	Kolte Ayodhya Vasudeo	85.66	II
3	Shirsat Vishal Pralhad	85.00	III

Objectives:-

- To develop curiosity and interest in chemistry.
- To develop an appreciation of chemistry and its applications in daily life.
- To develop skills in scientific investigations.
- To acquire an appropriate body of knowledge and understanding in chemistry.
- To become aware of the social, economic, environmental and technological implications of chemistry and show concern for the environment and society.
- To motivate the students to start small scale Industries.
- To motivate the students for higher education and for research.
- To encourage and prepare the students for professional courses.

➤ **Faculties of the Department:**

- Number of Teachers in the department :04
- Teachers with Ph. D. Qualification :01
- Teachers with SET/NET qualification :03
- Number of Lab Assistant :01
- Number of Lab Attendant :01

Sr. No.	Name	Designation	Qualification	Experience at U.G./P.G. level
1	Dr. S. B. Lomate	Head & Assit. Professor	M.Sc. B.Ed. Ph.D.	13 Yrs
2	Mr. U.N. Chaudhar	Assit. Professor	M.Sc. NET, SET	06 Yrs
3	Mr. V.B. Ningdale	Assit. Professor	M.Sc. NET, GATE	06 Yrs
4	Mr. S.N. Sampal	Assit. Professor	M.Sc. NET, GATE	06 Yrs

➤ **Non-Teaching Staff Profile**

Sr.No.	Name	Qualification	Designation
1	Mr. Kokate S. V.	M.A.	Lab Assistant
2	Mr. Pawar B. B.	B.A.	Lab Attendant

➤ **Future Prospectus**

Sr.No.	Future Planning	Year
1	To submit the proposal for the research Guide by Dr. B.A.M. University, Aurangabad.	2018-19
2	To establish the technical collaboration with well known and reputed research centres to improve the quality of research work and to upgrade ourselves with recent research trends in the field of Science and technology.	2018-19
3	To submit the proposal for the Minor/Major projects.	2018-19
4	To arrange student's visits to reputed Chemical Laboratories and industrial units associated with the subject.	2019-20

5	To develop the research laboratory.	2019-20
6	To submit the proposal for organizing a National Conference.	2019-20
7	To submit the proposal for post graduate course	2020-21

Best Practices of the Department

- Interaction of department with school students.
- Student participated in Science Exhibitions.
- Organized Study tours for students.
- Organized Student seminar, Group Discussion.
- Organized Guest lecture for students.
- Poster presentation.

Departmental Activities



✚ Arranged excursion tour for B.Sc. students



✚ Arranged excursion tour related water analysis for B.Sc. students

Departmental Activities



Model presentation & poster presentation by Sanstha Administrative Officer Dr. Machale R.A.



✚ Arranged excursion tour at Shantivan (Arvi) for B.Sc. students

Departmental Activities



✚ Guidance for high school students (School-college interaction)



✚ Guidance for high school students (School-college interaction)

Departmental Activities

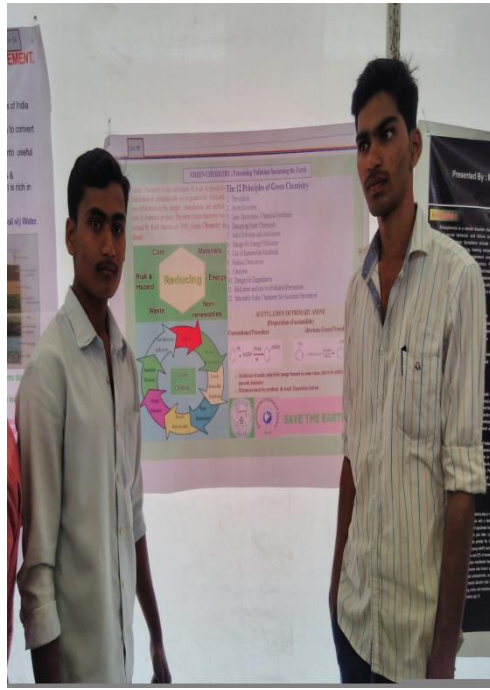


✚ Science Exhibition 2014-15



✚ Science Exhibition 2015-16

Departmental Activities



Science Exhibition 2016-17



Poster presentation for B. Sc. Students

Departmental Activities



Student Seminar



Student Seminar

Departmental Activities



Chemistry Knowledge Test