

Kasegaon Education Society's

Arts and Commerce College, Kasegaon

DEPARTMENT OF CHEMISTRY

A. INTRODUCTION –

The department of chemistry is involved in both teaching and research. In teaching the Department is training the next generation students and an enable them to lead the nation in chemistry. The training received by the students enabled them to achieve major position in industry, research and academic institution.

The Department of Chemistry was established in 2020 with 61 students.

B. GOALS AND OBJECTIVES OF CHEMISTRY DEPARTMENT -

- 1) Graduates from our program will possess a strong foundational knowledge of modern inorganic, organic, physical and analytical chemistry.
- 2) Students will demonstrate scientific understanding of the structure of matter and of its physical and chemical transformations.
- 3) Graduates from our program will be proficient in applying modern laboratory methods and technological tools to the studies of chemical system. And apply standard laboratory techniques to carry out qualitative and quantitative analysis, chemical synthesis, characterization of compounds and measurement of chemical reactivity.

- 4) Students will learn the theoretical bases, operating principles and an experimental uses of scientific instrumentation and software application and will apply these technologies appropriately to study chemical system.
- 5) Students will access, search, evaluate and critique the primary scientific literature.

C. Teaching Faculty

2020-21

| Sr. No. | Name of faculty | Qualification | Designation | Age | Experience (Years) |
|---------|------------------|---------------|---------------------|-----|--------------------|
| 1 | Smt. P. A. Shaha | M.Sc. B.Ed | Assistant Professor | 36 | 2 |

2021-22

| Sr. No. | Name of faculty | Qualification | Designation | Age | Experience (Years) |
|---------|----------------------|---------------|---------------------|-----|--------------------|
| 1 | Smt. P. A. Shaha | M.Sc. B.Ed | Assistant Professor | 36 | 2 |
| 2 | Miss. R. R. Nalawade | M.Sc. | Assistant Professor | 23 | 1 |

2022-23

| Sr. No. | Name of faculty | Qualification | Designation | Age | Experience (Years) |
|---------|----------------------|---------------|---------------------|-----|--------------------|
| 1 | Smt. P. A. Shaha | M.Sc. B.Ed | Assistant Professor | 36 | 2 |
| 2 | Miss. R. R. Nalawade | M.Sc. | Assistant Professor | 23 | 1 |
| 3 | Miss. B. G. Shaikh | M.Sc. | Assistant Professor | 22 | - |

2023-24

| Sr. No. | Name of faculty | Qualification | Designation | Age | Experience (Years) |
|---------|----------------------|---------------|---------------------|-----|--------------------|
| 1 | Smt. P. A. Shaha | M.Sc. B.Ed | Assistant Professor | 36 | 2 |
| 2 | Miss. R. R. Nalawade | M.Sc. | Assistant Professor | 23 | 1 |
| 3 | Miss. B. G. Shaikh | M.Sc. | Assistant Professor | 22 | - |

D. Allocation of Work load

| Sr. No. | Name of Faculty | Class | Periods | | Total |
|---------------------------------|-----------------|----------|---------|-----------|-----------|
| | | | Theory | Practical | |
| 1. | Smt.P.A.Shaha | B.Sc-I | 02 | 04 | 06 |
| | | B.Sc-II | 02 | 03 | 05 |
| | | B.Sc-III | 07 | 04 | 11 |
| Total Work load per week | | | | | 22 |

| Sr. No. | Name of Faculty | Class | Periods | | Total |
|---------------------------------|--------------------|-------------|---------|-----------|-----------|
| | | | Theory | Practical | |
| 2. | Miss.R.R. Nalawade | B. Sc. -I | 02 | 04 | 06 |
| | | B. Sc. -II | 02 | 03 | 05 |
| | | B. Sc. -III | 06 | 04 | 10 |
| Total Work load per week | | | | | 21 |

| Sr. No. | Name of Faculty | Class | Periods | | Total |
|---------------------------------|--------------------|-------------|---------|-----------|-----------|
| | | | Theory | Practical | |
| 3. | Miss. B. G. Shaikh | B. Sc. -I | 01 | 04 | 05 |
| | | B. Sc. -II | 02 | 02 | 04 |
| | | B. Sc. -III | 07 | 04 | 11 |
| Total Work load per week | | | | | 20 |

E. Teaching Plan and Methods

Department of Chemistry uses following teaching methods

❖ **Lecture method-**

This method is most commonly used in colleges which are useful to teach the subject. In this teaching method, students assume the role of teacher and teach their peers. By having students participate in the teaching process, they gain self-confidence and strengthen their speaking and communication skills.

❖ **Demonstration method**

Demonstrating is the process of teaching through examples or experiments. For example, a science teacher may teach an idea by performing an experiment for students. A demonstration may be used to prove a fact through a combination of visual evidence and associated reasoning. Demonstrations help to raise student interest and reinforce memory retention because they provide connections between facts and real-world applications of those facts. Lectures, on the other hand, are often geared more towards factual presentation than connective learning.

❖ **Seminar method**

In this method student present their topic under the guidance of their teachers. These seminars are helpful to the students in seeking more defensible solutions before the audience and for getting more knowledge about that particular topic.

❖ **Group Discussion**

These are planned to ensure development of creative and critical abilities of the students. Under this method students are supplied the particular topic in advance. A few students are selected to initiate discussion about the topic.

These students are expected to answer a question about the topic raised by other students.

❖ **ICT Based Teaching:**

In this method, the teachers prepare PPT presentations, Models presentations and Charts to elaborate the major points in the syllabus. The students are provided with certain topics which they are supposed to search engines like Google, Chrome, etc.

❖ **Laboratory method**

In this method students do the experiments under the guidance of the teacher. By this method students get scientific awareness, motivation towards self - study, self -confidence etc. For making teaching, learning process more effective by above method our department use teaching aids such as charts, models, OHP, LCD etc.

H. Examination Schedule.

As per rules and regulation of Shivaji University, Kolhapur; conduct two unit test, projects etc.

I. Built up area with map of Department:

Map of the department with dimensions is separately attached .Total carpet area of the department = **208.85 sq. meter.**

J. Total expense for Chemistry laboratory

Year 2020 – 2021

Chemicals and equipment's - 7, 39,933 = 00

Furniture – 73,000 = 00

Maintenance – 10,425 = 00

Year 2021 – 2022

Chemicals – 3, 63,961 = 00

Equipment's – 6, 13, 159 = 00

Year 2022 – 2023

Chemicals – 1, 48, 605 = 00

Equipment's – 1, 35,169 = 00

K. List of Instruments

| Sr.No. | Instruments Name | Dealers Name | Date of Purchase | Quantity | Amount |
|--------|---------------------------------|---------------------------|------------------|----------|--------|
| 1 | Conductometer | Samarth Trading, Islampur | Aug 2021 | 2 | |
| 2 | Polarimeter | Samarth Trading, Islampur | Aug 2021 | 1 | |
| 3 | Abbe's Refractometer | Samarth Trading, Islampur | Aug 2021 | 1 | |
| 4 | Potentiometer | Samarth Trading, Islampur | April.2022 | 1 | |
| 5 | Magnetic stirrer with hot plate | Samarth Trading, Islampur | April.2022 | 2 | |
| 6 | Suction pump | Samarth Trading, Islampur | April.2022 | 1 | |

| | | | | | |
|---|---------------------|------------------------------|------------|----|--|
| 7 | Chromatographic jar | Samarth Trading, Islampur | April.2022 | 12 | |
|---|---------------------|------------------------------|------------|----|--|

L. List of Chemicals

| Sr.No. | Name of chemical | Company | Unit | Quantity |
|--------|-----------------------------|---------|--------|----------|
| 1 | Ferrous ammonium sulphate | Loba | 500 gm | 1 |
| 2 | Barium sulphate | Loba | 500 gm | 1 |
| 3 | Methyl red indicator powder | Loba | 100 gm | 1 |
| 4 | Ammonium sulphate | Loba | 500gm | 1 |
| 5 | Ammonium oxalate | Loba | 500gm | 1 |
| 6 | Zinc nitrate | Loba | 500gm | 1 |
| 7 | Cadmium chloride | Loba | 250gm | 1 |
| 8 | Cadmium nitrate | Loba | 250gm | 1 |
| 9 | Chromium chloride | Loba | 250gm | 1 |
| 10 | Manganese sulphate | Loba | 500gm | 1 |
| 11 | Manganese chloride | Loba | 500gm | 1 |
| 12 | Aluminium sulphate | Loba | 500gm | 1 |
| 13 | Zinc carbonate | Loba | 500gm | 2 |
| 14 | Magnesium Sulphate | Loba | 500gm | 2 |
| 15 | Magnesium carbonate | Loba | 500gm | 2 |
| 16 | Ammonium nitrate | Loba | 500gm | 2 |
| 17 | Ethyl benzoate | Loba | 500gm | 1 |
| 18 | Iodine | Loba | 500ml | 1 |
| 19 | Potassium Chloride | Loba | 500gm | 1 |
| 20 | Phthalic anhydride | Loba | 500gm | 2 |
| 21 | Urea | Loba | 500gm | 2 |
| 22 | Benzamide | Loba | 500gm | 2 |
| 23 | Benzene | Loba | 500ml | 2 |
| 24 | Toluene | Loba | 500ml | 1 |
| 25 | Xylene | Loba | 500ml | 1 |
| 26 | Succinic acid | Loba | 500gm | 1 |
| 27 | Phthalic acid | Loba | 500gm | 1 |
| 28 | Salicylic acid | Loba | 500gm | 1 |
| 29 | Aspirin | Loba | 500gm | 1 |
| 30 | Alpha-naphthol | Loba | 500gm | 1 |
| 31 | O-nitrophenol | Loba | 500gm | 1 |
| 32 | P-nitrophenol | Loba | 500gm | 1 |
| 33 | o-nitroaniline | Loba | 500gm | 1 |
| 34 | p-nitroaniline | Loba | 500gm | 1 |
| 35 | m-nitroaniline | Loba | 500gm | 1 |

| | | | | |
|-----------|--|--------------|---------------|-----------|
| 36 | Diphenyl amine | Loba | 250gm | 1 |
| 37 | Carbon tetrachloride | Loba | 500ml | 5 |
| 38 | Naphthalene | Loba | 500gm | 1 |
| 39 | Anthracene | Loba | 250gm | 1 |
| 40 | Acetophenone | Loba | 500ml | 1 |
| 41 | Ethyl methyl ketone | Loba | 500ml | 1 |
| 42 | Nitrobenzene | Loba | 500ml | 2 |
| 43 | Clay pipe triangle | Loba | ---- | 30 |
| 44 | Rubber pipe for condenser | Loba | ---- | 100 feet |
| 45 | Whatmann filter paper No.40 | Loba | ---- | 2 packets |
| 46 | Digital conductometer with conductivity cell having cell const (1) | Equiptronics | ----- | 1 |
| 47 | Viscometer | Borosil | ---- | 6 |
| 48 | Refractometer Abbes | Rajdhani | ---- | 1 |
| 49 | Digital Polarometer | Equiptronics | ---- | 1 |
| 50 | TLC set | | ----- | 1 |
| 51 | Potassium per sulphate | Loba | 500 gm | 1 |
| 52 | Calcium carbonate | Loba | <u>500 gm</u> | 2 |
| <u>53</u> | Triethanolamine | Loba | <u>500 ml</u> | 1 |
| <u>54</u> | Silica crucible for gravimetry | | | 24 |
| 55 | Desicator glass | Borosil | | 6 |
| 56 | Barium nitrate | Loba | 500gm | 1 |
| 57 | Nickel nitrate | Loba | 500gm | 1 |
| 58 | Potassium chloride | Loba | 500gm | 2 |
| 59 | Watchglass | borosilicate | | 12 |
| 60 | Specific gravity bottles for refractometry | | | 12 |
| 61 | Barium chloride | Loba | 500gm | 1 |
| 62 | Aluminon | Loba | 250gm | 1 |
| 63 | Alizarin | Loba | 250gm | 1 |
| 64 | Alpha nitroso beta naphthol | Loba | 250gm | 1 |
| 65 | Dimethyl glyoxime | Loba | 250gm | 1 |
| 66 | Benzidine | loba | 250ml | 1 |
| 67 | Picric acid | Loba | 500gm | 1 |
| 68 | Nessler's reagent | Loba | 250 gm | 1 |
| 69 | Magneson-I reagent | Loba | 250gm | 1 |
| 70 | Mercuric chloride | Loba | 250gm | 1 |
| 71 | Ammonium thiocyanate | Loba | 250gm | 1 |
| 72 | Potassium Ferrocyanide | Loba | 250 gm | 1 |
| 73 | Dithiozone | Loba | 250gm | 1 |
| 74 | Cupron | Loba | 250gm | 1 |
| 75 | Ammonium sulphocyanide | Loba | 250gm | 1 |
| 76 | Stannous chloride | Loba | 250gm | 1 |
| 77 | Rochelle salt(sodium potassium tartarate) | Loba | 250gm | 1 |

M. Student Appearance

| Sr.No. | Year | Class | Students Number |
|--------|-----------|----------|-----------------|
| 1 | 2020-2021 | B.Sc I | 61 |
| 2 | 2021-2022 | B.Sc.I | 45 |
| | | B.Sc.II | 63 |
| 3 | 2022-2023 | B.Sc.I | 29 |
| | | B.Sc.II | 38 |
| | | B.Sc.III | 36 |
| 4 | 2023-2024 | B.Sc.I | 69 |
| | | B.Sc.II | 27 |
| | | B.Sc.III | 23 |

N. Student Progression

| Sr.No. | Name of the students | Name of the company | Post | PG Student |
|--------|---------------------------|-----------------------|--------------|------------|
| 1 | Tate Pranali Mohan | Mahindra and Mahindra | Assistant | |
| 2 | Shingare Aishwarya Babaso | Mahindra and Mahindra | Assistant | |
| 3 | Waghmode Ankita Vikas | Mahindra and Mahindra | Assistant | |
| 4 | Vhanmane Mahesh Khandu | Airtel | Area manager | |
| 5 | Mane Darshan Tanaji | ICICI Bank | Clark | |
| 6 | Patil Harshvardhan Maruti | Kirana store | Owner | |
| 7 | Patil Swayam Vikas | Shubham automobiles | Owner | |
| 8 | Shinde Rushikesh Mahadev | Home occupation | worker | |
| 9 | Candidates | M. Sc; M. B. A. | | 10 |

O. Departmental Activities

| Sr. No. | Year | Name of the event | Guest | Students presenty |
|---------|-------------|--------------------------------|--|-------------------|
| 1 | 2020 - 2021 | Poster Presentation | Dr. C. S. Magdum | 12 |
| 2 | | Medicinal plant exhibition | Dr. Aruna Patil | 6 |
| 3 | 2021 -2022 | Quiz compitition | Online | 30 |
| 4 | | Medicinal plant exhibition | | 10 |
| 5 | 2022 -2023 | Study tour | NIO Goa | 40 |
| 6 | | Digital spectroscopy | Site visit | 10 |
| 7 | | Science bulletin | HOD | 4 |
| 8 | 2023 -2024 | Workshop on soap making | Dr. T. D. Patil - Dange Smt. S. J. Shinde | 33 |
| 9 | | Traning on making of soap | Dr. T. D. Patil - Dange | 6 |
| 10 | | Study of Jaggery manufacturing | Site visit | 20 |

Personal Profiles of Faculty Members

DEPARTMENT OF CHEMISTRY

Teacher's profile

Name of the Teacher: Mrs. Pallavi Atulkumar Shaha

General Information

- 1) Name of the teacher: Mrs. Pallavi Atulkumar Shaha
- 2) Designation: Assistant Professor
- 3) College: Arts and Commerce College, Kasegaon.
- 4) Department: Chemistry
- 5) Date of birth: 05/12/1986
- 6) Date of appointment: 01/01/2021
- 7) Total teaching experience: UG: 3
- 8) Permanent address: A/P. Kasegaon , Tal. Walwa , Dist. Sangli. Pincode – 415404
- 9) Mobile number: 9823189433 , 9730032632
- 10) Email: pallavishaha2016@gmail.com

Academic Qualifications

| Sr. No | Qualification | University Board | Subject | Year | Grade/Class |
|--------|---------------------------|--------------------|-----------------------------|---------|-------------|
| 1 | Ph. D/ M. Phil./ SET/ NET | Shivaji University | | 2022-23 | Appear |
| 2 | B.Ed | Shivaji University | Science and Maths | 2015 | First |
| 3 | M.Sc | Shivaji University | Organic Chemistry | 2018 | First |
| 4 | B.Sc | Shivaji University | Chemistry | 2007 | First |
| 5 | HSC | Kolhapur Board | Physics, Chemistry, Biology | 2004 | First |
| 6 | SSC | Kolhapur Board | English, Maths, Science | 2002 | First |

Participation in College Committee

| Sr.No. | Name of the committee | Designation |
|--------|--|------------------------|
| 1 | Internal Quality Assurance Cell (IQAC) | Teacher representative |
| 2 | Internal Women Complaints Committee | Member |
| 3 | NSS Committee | Member |
| 4 | Cultural Department and youth festival | Member |
| 5 | Admission Committee and Prospectus | Member |
| 6 | Lead College Committee | Member |
| 7 | Staff Welfare Academy | Member |
| 8 | Scholarship Committee | Member |
| 9 | Womens Association | Member |
| 10 | Science and Natures Club | Coordinator |
| 11 | Alumini and Parents Association | Member |
| 12 | Class – B.Sc.III (Chemistry) | Class teacher |
| 13 | Hostel Committee | Coordinator |

Research Activities

A) Attended Workshop/Seminar/ Conference / Webinar

| Sr. No. | Title of Workshop Conference / Seminar | Date | Organized by | Whether international/ National / State or University level |
|---------|---|--------------------------|--|---|
| 1 | Research methodology webinar | 30/4/2020 | Karmveer Bhaurao Patil college, Vashi, Navi Mumbai | National |
| 2 | One day National webinar on Frontiers in Chemistry | 28/9/2020 | Department of chemistry National institute of technology Karnataka | National |
| 3 | National Workshop for Net/Set paper I | 26/9/2020 to 1/10/2020 | Shivaji University ,Kolhapur Central placement cell | National |
| 4 | Webinar on Central and Government exams for U.G and P.G students. | 2/12/2020 | Shivaji University ,Kolhapur Central placement cell | National |
| 5 | Online workshop on Advanced CFD for Industrial Applications | 15/12/2020 to 25/12/2020 | Shivaji University ,Kolhapur Central placement cell | National |

| | | | | |
|----|---|------------------------------|---|---------------|
| 6 | National workshop on ICT tools for Chemistry teachers | 22/2/2021 | GAD-TLC,SGTB khalsa college ,Delhi University | National |
| 7 | National webinar on Film Literature and Research | 27/2/2021 to 28/2/2021 | Lt.Dr.B. Ajantha Parthasarathi | National |
| 8 | Two day online state level faculty development program on teaching, learning, evaluation and research | 5/10/2021 To 6/10/2021 | Arts and Commerce College Kasegaon | State |
| 9 | Recent Trends in Pure and Applied Science (ICRTPAS – 2023) | 24/3/2023 To 25/3/2023 | KRP Kanya Mahavidyalaya, Islampur | International |
| 10 | National intellectual property awareness mission | 3/4/2023 | Intellectual Property Office, India | National |
| 11 | Teachers Training one day workshop Newly Changed Syllabus of B. Sc. II (Sem. III and IV) | 18/9/2023 | Dr. Patangrao Kadam Mahavidyalaya, Sangliwadi | State |
| 12 | One day workshop for Net/Set paper I and research awareness | 3/2/2024 | Shri Venkateshwara College of Science, Peth Sangli. | State |
| 13 | National conference on current scenario in Chemical and Material science | 16/2/2024 | DABN Arts and Science College, Chikhali, Sangli | National |

B) Paper Presentation

| Sr. No. | Title of paper | Title of Workshop Conference / Seminar | Organized by | Whether international/National / State or University level |
|---------|----------------|--|--------------|--|
| | ----- | ----- | ----- | ----- |

C) Publication

| Sr. No. | Title with page Nos. | Journal | ISSN / ISBN No. | Impact Factor, if any |
|----------------|-----------------------------|----------------|------------------------|------------------------------|
| | ----- | ----- | ----- | ----- |
| | | | | |

D) Guest lecture /Invited Lecture/ Chairperson

| Sr. No. | Title of Lecture / Academic Session | Title of Conference / Seminar etc | Organized by | Whether international/ National/ College |
|----------------|--|--|---------------------|---|
| --- | ----- | ----- | ----- | ----- |
| | | | | |

E Fellowships / Awards

| Sr. No. | Fellowship / Award | Year | Level International / National / State / University | Awardee Academic Body/ Association |
|----------------|---------------------------|-------------|--|---|
| ---- | ----- | ----- | ----- | ----- |
| | | | | |

Signature

Name of the teacher: Miss. Radhika Ramchandra Nalawade

General Information

- 1) Name of the teacher: Miss. Radhika Ramchandra Nalawade
- 2) Designation: Assistant Professor
- 3) College: Arts and Commerce College, Kasegaon.
- 4) Department: Chemistry
- 5) Date of birth: 07/05/1999
- 6) Date of appointment: 08/11/2021
- 7) Total teaching experience: UG: 2
- 8) Permanent address: A/P. 32 Shirala, Tal. Shirala, Dist. Sangli. Pincode – 415408
- 9) Mobile number: 9096524857
- 10) Email: radhikanalawade1@gmail.com

Academic Qualifications

| Sr. No | Qualification | University / Board | Subject | Year | Grade /Class |
|---------------|---------------------------|---------------------------|---------------------------|-------------|---------------------|
| | Ph. D/ M. Phil./ SET/ NET | | | | |
| 1 | M.Sc | Shivaji University | Organic Chemistry | 2021 | First |
| 2 | B.Sc | Shivaji University | Chemistry | 2019 | First |
| 3 | HSC | Kolhapur Board | Physics, Chemistry, Maths | 2016 | First |
| 4 | SSC | Kolhapur Board | English, Maths, Science | 2014 | First |

Participation in College Committee

| Sr.No. | Name of the committee | Designation |
|---------------|--|--------------------|
| 1 | Intuitional Avishkar Expert Committee | Member |
| 2 | Research and Development Cell | Member |
| 3 | Library Committee | Member |
| 4 | Study Tour Committee | Member |
| 5 | Feed Back Committee | Member |
| 6 | Career Katta | Member |
| 7 | Discipline and Code of Conduct Committee | Member |

| | | |
|---|--------------------------|--------|
| 8 | Placement Cell | Member |
| 9 | Science and Natures Club | Member |

Research Activities

A) Attended Workshop/Seminar/ Conference

| Sr. No. | Title of Workshop Conference / Seminar | Date | Organized by | Whether international/National / State or University level |
|---------|---|------------------------------|-------------------------------------|--|
| 1 | Two day online state level faculty development program on teaching, learning, evaluation and research | 5/10/2021 To 6/10/2021 | Arts and Commerce College Kasegaon | State |
| 2 | Recent Trends in Pure and Applied Science (ICRTPAS – 2023) | 24/3/2023 To 25/3/2023 | KRP Kanya Mahavidyalaya, Islampur | International |
| 3 | National intellectual property awareness mission | 3 rd April 2023 | Intellectual Property Office, India | National |

B) Paper Presentation

| Sr. No. | Title of paper | Title of Workshop Conference / Seminar | Organized by | Whether international/National / State or University level |
|---------|----------------|--|--------------|--|
| ---- | ----- | ----- | ----- | ----- |

C) Publication

| Sr. No. | Title with page Nos. | Journal | ISSN / ISBN No. | Impact Factor, if any |
|----------------|-----------------------------|----------------|------------------------|------------------------------|
| ----- | ----- | ----- | ----- | ----- |

D) Guest lecture /Invited Lecture/ Chairperson

| Sr. No. | Title of Lecture / Academic Session | Title of Conference / Seminar etc. | Organized by | Whether international/National/ College |
|----------------|--|---|---------------------|--|
| -- | ----- | ----- | ----- | ----- |

E Fellowships / Awards

| Sr. No. | Fellowship / Award | Year | Level International / National / State / University | Awardee Academic Body/ Association |
|----------------|---------------------------|-------------|--|---|
| -- | ----- | ----- | ----- | ----- |
| | | | | |

Signature

Name of the Teacher: Miss. Banu Gudubhai Shaikh

General Information

- 1) Name of the teacher: Miss. Banu Gudubhai Shaikh.
- 2) Designation: Assistant Professor
- 3) College: Arts and Commerce College, Kasegaon.
- 4) Department: Chemistry
- 5) Date of birth: 21/02/1998
- 6) Date of appointment: 01/09/2022
- 7) Total teaching experience: UG: 1 year 7 month
- 8) Permanent address: A/P. Nerle, Tal. Walwa, Dist. Sangli. Pincode – 415406
- 9) Mobile number: 9172248568
- 10) Email: shaikhbanu601@gmail.com

Academic Qualifications

| Sr. No | Qualification | University / Board | Subject | Year | Grade /Class |
|--------|---------------------------|--------------------|-----------------------------|------|--------------|
| 1 | Ph. D/ M. Phil./ SET/ NET | | | | |
| 2 | M.Sc | Shivaji University | Physical Chemistry | 2022 | First |
| 3 | B.Sc. | Shivaji University | Chemistry | 2019 | First |
| 4 | HSC | Kolhapur Board | Physics, Chemistry, Biology | 2016 | First |
| 5 | SSC | Kolhapur Board | English, Maths, Science | 2014 | First |

Participation in College Committee

| Sr.No. | Name of the committee | Designation |
|--------|---|-------------|
| 1 | Internal Women Complaints(ICC) Committee | Member |
| 2 | Cultural Development and Youth Festival Committee | Member |

| | | |
|---|--|---------------|
| 3 | NSS Committee | Member |
| 4 | Essay, Elocution and Other Competition Committee | Member |
| 5 | NIRF and RUSSA Committee | Member |
| 6 | Science and Nature Club | Member |
| 7 | Class- B.Sc .I | Class Teacher |

Research Activities

A) Attended Workshop/Seminar/ Conference

| Sr. No. | Title of Workshop Conference / Seminar | Date | Organized by | Whether international/National / State or University level |
|---------|---|--|---|--|
| 1) | International conference on recent trends in pure and applied sciences 2023 | 24 th – 25 th March 2023 | Smt. Kusumtai Rajarambapu Patil Kanya Mahavidyalaya ,Islampur . | International |
| 2) | National intellectual property awareness mission | 3 rd April 2023 | Intellectual Property Office, India | National |

B) Paper Presentation

| Sr. No. | Title of paper | Title of Workshop Conference / Seminar | Organized by | Whether international/National / State or University level |
|---------|----------------|--|--------------|--|
| | | | | |

C) Publication

| Sr. No. | Title with page Nos. | Journal | ISSN / ISBN No. | Impact Factor, if any |
|---------|----------------------|---------|-----------------|-----------------------|
| | | | | |

D) Guest lecture /Invited Lecture/ Chairperson

| Sr. No. | Title of Lecture / Academic Session | Title of Conference / Seminar etc | Organized by | Whether international/National/ College |
|----------------|--|--|---------------------|--|
| | | | | |

E) Fellowships / Awards

| Sr. No. | Fellowship / Award | Year | Level International / National / State / University | Awardee Academic Body/ Association |
|----------------|---------------------------|-------------|--|---|
| | | | | |

Signature