



BIO-DATA

Name: - Dr. Mrs. Mokashi Sakshi Sachin.

Address: - 'Shubhankar Bungalow,' plot no. 31, Karbhari Nagar, Kasaba Baramati.
Tal. Baramati Dist. Pune.

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Educational Qualification: - M.Sc. B.Ed. Ph.D. (Chemistry)

Caste: - Hindu- Brahmin

Date of Birth: - 11th Feb. 1977

| SR. | Name of Examination | Examining Body | Percentage | Class |
|-----|---------------------|--------------------|------------|-------------|
| 1. | Ph.D. | Kalinga University | - | - |
| 2. | M.Sc. | Pune University | 64% | First |
| 3. | B.Ed. | Pune University | 77% | Distinction |
| 4. | B.Sc. | Pune University | 73% | Distinction |
| 5. | H.S.C. | H.S.C. Board Pune | 82% | Distinction |
| 6. | S.S.C. | S.S.C. Board Pune | 82% | Distinction |

Professional Body Membership: - Life Membership of ISTE (LM-89643)
Life Membership of ACT (LM-2702)

Topic of Ph.D. – Application to industrial effluents & organic compound degradation include electrochemical oxidation of organic compounds & creation of metal oxide nanocomposites . Dept. Of Chemistry, Kalinga University, Raipur.

Area of specialization: -

**Assist. Prof. – HOD First Year Engineering
Engineering Chemistry
Dept. of Science & Humanities,
C.O.E. Malegaon Baramati,**

Experience Details: - 25 years.

| Sr.No. | Name of Institute | From | To |
|--------|-----------------------------|------------|--|
| 1. | SVPM's COE, Malegaon (BK) | 03/01/2001 | TILL DATE as an Approved faculty by UGC from 2001. |

Programmes attended:-

| Sr. No. | Programme | Venue | Duration |
|---------|---|--|-----------|
| * | Academy Faculty Development Program-ATAL on Building Sustainable Infrastructure –Challenges & Future. | SVPM's College Of Engineering Malegaon, Baramati | One Week |
| * | FDP on Transformative Paradigm & emerging trends in Science & Humanities. | MIT-ADT University ,Pune. | Two Weeks |
| * | STTP on Research methodology & Quality Research Work.(ISTE approved) | KJ College of Engineering Pune | One Week |
| * | STTP on Integrations of AI tools in Science & Technology(ISTE approved) | KJ College of Engineering Pune. | One Week |
| * | FDP(ISTE Approved)on Emerging trends in teaching learning on Applied Sciences, | MIT-ADT University ,Pune. | Two Weeks |
| * | STTP on Hands on AI tools for academic writing. | Joseph's COE Chennai | One Week |
| * | FDP on Holistic development through NEP 2020 | Dr. D.Y.Patil COE, Akurdi,Pune | One Week |
| * | ISTE- STTP | Sinhgad COE,Pune | One Week |
| * | University-FDP | MMIT,Pune | One Week |
| * | ISTE-FDP | SND COE,Yeola | One Week |
| * | ISTE-STTP | College Of Engineering ,Malegaon, Baramati | One Week |
| * | STTP on Nanotechnology & Nanoscience | PIET, Nagpur | One Week |
| * | Orientation OR Refresher Program on Innovative | Vidya Pratishtan COE, Baramati | One Week |

| | Teaching –Learning Methods | | |
|---|---|--|------------|
| * | FDP- on Waste Management & its impact on the Environment. | G.H.Raisoni COE,Nagpur. | One Week |
| * | FDP- On Project Based Learning | S.B.Patil COE | One Week |
| * | NAAC Awareness Faculty Development Programme. (FDP) | MMIT- Marathwada Mitramandal Institute of Technology | One Week. |
| * | Workshop on Chemistry in Everyday life. | JSPM-Narhe | One Week |
| * | Refresher Program On Research Opportunity & Challenges in Engineering | College Of Engineering ,Malegaon, Baramati | One Week |
| * | Refresher Program on Internet of Things | College Of Engineering ,Malegaon, Baramati | One Week |
| * | Faculty Development Program in Applied Science. | Zeal College Of Engineering,Pune. | One Week |
| * | National Workshop on Radiochemistry & Applications of Radioisotopes. | Tuljaram Chaturchand College at Baramati. | One Week |
| * | National Conference on Frontiers of Chemistry & Materials. | Tuljaram Chaturchand College at Baramati. | One Week |
| * | Latex Workshop on soft skill development. | College of Engineering, Malegaon (BK) ,Baramati. | One Week |
| * | National Seminar on New Developments in Chemistry. | Bhartiya Jain Sanghatana College,Pune. | One Week |
| * | Workshop on Molecular Electronics. | Cummins college of Engineering,Pune. | One Week |
| * | Orientation Program | University of Pune . | Four weeks |
| * | Workshop on Nanoscience | University of Pune. | One Day |
| * | Refresher Course under Academic Quality Improvement | Smt. Kashibai Nawale college of Engg.,Pune. | One Week |
| * | Workshops on Syllabus Revision | D. Y. Patil College Of Engineering,Pune. | One Day |

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|---|---|---|----------|
| * | Workshop on Syllabus Revision | Marathwada Mitramandal college of Engineerng.Pune | Two Days |
| * | Faculty Development Programme | college of Engineerng Malegaon (BK) | One Week |
| * | Workshop on syllabus implementation | D. Y. Patil College of Engineering,Pune | One Day |
| * | National Conference on sustainable energy | Haribhai Desai College, Pune. | Two Days |
| * | Workshop on Nanochemistry | Cummins College of Engg. Pune. of Engg., Pune | One Day |

COURSERA COURSES ATTENDED during Lock-Down.

1.Introduction to Chemistry- Reactions & Ratios

| Sr. No. | Name of Course | University | No. of Modules/Weeks | Grade Achieved |
|----------------|--|----------------------------|-----------------------------|-----------------------|
| 1 | Introduction to Chemistry- Reactions & Ratios | Kentucky University | 4 | 8.6 |
| 2. | Chemistry | Kentucky University | 7 | 86% |

PUBLICATIONS:-

I have published a book as an Author with the title- ‘**Applications of Nano materials in Engineering**’ ISBN: 978-93-6717-219-3, in November 2025.

| Sr. No. | Publications | Journal/Venue | Date |
|----------------|---|--|-------------|
| * | Revolutionizing Air Quality Monitoring With IoT | IEEE ICPEE2025 | 14/12/2025 |
| * | Degradation of organic compounds by electrochemical oxidation and formation of metal oxide Nanocomposites. | SCOPUS Indexed-African Journal of Biomedical Research ISSN 1119-5096 | 14/11/2024 |
| * | A study on electrochemical oxidation of organic compounds and the production of Metal Oxide Nanocomposites. | SCOPUS Indexed-AIP Conference Proceedings, Vol.3305 ISBN-978-0-7354-5172-8 ISSN-0094-243X | 28/06/2024 |
| * | Electrochemical oxidation of organic compounds and the creation of Metal Oxide Nanocomposites. | International Research Journal on Advanced Engineering and Management –Open access ISSN-2584-5854 | 04/04/2024 |

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|---|---|---|-------------------------------|
| * | Characteristics of PVA film embedded with Cr ₂ O ₃ nanoparticles | International Journal of Chemical Science-Indexed, Refreed, Peer Reviewed. E- ISSN 2523-2843 P- ISSN2523-6075 | 03/10/2024 |
| * | Metal Oxide Nanoparticles using biological and electrochemical techniques. | International Journal of Chemistry Studies. Indexed, Refreed, Peer Reviewed. ISSN2581-348X | 01/10/2024 |
| * | comparative study of Defluoridation of water using Bioadsorbents-Tea Waste & Rice Husk | Iconic Research & Engineering Journals. | Vol.3, Issue- 11, May 2020 |
| * | Defluoridation of Water by Rice Husk-A Bioadsorbent | UGC Care group- Mukta Shabd Journal. | Vol.-IX, Issue-IV, April 2020 |
| * | Tamarind Seed: Economical bioadsorbant for defluoridation of water. | International Journal of Advanced in management, Technology & Engg. Sciences. | Vol. 8, Issue II, Feb. 2018 |
| * | comparative study of Defluoridation of water by Bioadsorbants is published in International Journal | International Journal of Multidisciplinary Research & Development. | Vol. 2 July 2015 |
| * | Paper on Defluoridation of Water by bioadsorbants | IJESIT-INTERNATIONAL JOURNAL | Vol. 3 Sep. 2014 |
| * | Paper on Defluoridation of Water | IJESIT-INTERNATIONAL JOURNAL | Vol. 2 Sep. 2013 |

One SCOPUS Paper is accepted & in process of Publication.

Paper Presented in Conferences-

* ICICC-2026- Paper presented in International Conference on Leveraging Intelligent Tutoring Systems-Classroom Management.

*International conference at Bhubaneswar, Orissa on Electrochemical Oxidation of Organic Compounds & creation of Metal Oxide Nanocomposites in March 2024.

* International conference at Coimbatore, Tamil Nadu on Nanocomposites in October 2024.

*Workshop on Syllabus Revision is attended time to time.

*** I have completed my M.Sc. from MES Abasaheb Garware College, Pune.**

*** My parents were worked as Secondary teachers in all branches of MES Society at Pune, Baramati & Saswad for 30 years.**

OTHERS:-

Curricular Activities

Departmental –

- 1. Currently working as First Year HOD from last two Years.**
2. Active participation in First Year Engineering admission Process every year (CAP).
3. Co-coordinator for SC (Scrutiny Center) for First Year admission.
3. Admission Incharge for Institute Level Admission for successively many years.
4. Induction Program Coordinator for First Year Engineering students.
5. Member of Internal Complaint Committee of college.
6. Member of Discipline Committee of college.

7. Coordinator of time - table preparation, conduction of internal tests etc.
8. working as local guardian, class coordinator successively.
9. Laboratory In charge of Engineering Chemistry Lab.
10. Special efforts are taken to reduce shortage of attendance & improvement of results.
11. 100% lectures & practicals are conducted every semester

12. Continuously good results for University Exam. are obtained.

Presently Dept.al NBA Coordinator.

CAP- Admission In charge

Institute Level-Admission In charge

Facility Center (Scrutiny Center) for First Year admission In charge.

NAAC- Co-coordinator for Criteria -II

College level –

*** CHAITANYA – (cultural programme.)**

1. Member & Event Coordinator for different competitions
Like singing, dancing, drama, mimicry, monoact, rangoli,

*** CRETECHNOVA- (technical event)**

2. Member & Event coordinator for different programmes
Like paper presentation, poster presentation, quiz
Competition etc.
3. Working in different committees like LIC, AICTE etc.
4. Worked as Expert for Environmental practical exam. Of
T. E. Civil.

5. very active help to carry out reactions of B.E. Projects Every year.
6. Working in Library Committee as member, member of MAHILA SURKSHA Committee & INTERNAL COMPLAINT Committee, Discipline committee etc.

University level -

1. Worked as internal senior supervisor for SPPU Exams For the academic year 2017-18 ,2022-23.
2. Worked as internal squad for University Examinations.
3. Worked as external examiner for practical exam for first year engineering at V.P.College,Baramati.A.Y.2023-24 , 2024-25.
4. Worked as a external (university) flying squad for the Examinations.
5. Worked as internal senior supervisor for University online Examinations
6. Worked as external senior supervisor for University online exams.
7. Working as Junior Supervisor for University Examinations.
8. Examiner (CAP) for Engineering Chemistry.
9. Worked as a internal senior supervisor for University Examinations.

Extra Curricular Activities ;-

Counselling of first year engineering students & parents Regarding admission & other issues.

Actively participated in Industrial Visit every year for first year students.

1. Worked as Editor for College Magazine.
2. Working as a F. E. magazine coordinator for every year for Different sections along with students. Successively.
3. special guidance & help is always given to B. E. students for their project part related to chemistry.
4. Scoring good appraisal report every year.
5. Life Membership of ISTE (LM-89643), Life Membership of ACT (LM-2702).

**Currently working as HOD first year from 05-09-2023.
Worked as DAC for 2018-19 to 2023-24.**

I am honored to be the speaker for students' activity for Induction Program, NSS Camp regarding many current issues in society.

**Recently I have selected as Committee Member in
' Brahman Shikshak Aghadee- Pune District'**

Dr. Mrs. Mokashi Sakshi Sachin.