

RESUME



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Educational Qualification:

| Examination Passed | Institution | Passed Year | Percentage of Marks | Class Rank |
|------------------------|---|-------------|---------------------|------------|
| Ph. D (Chemical Engg.) | Dr. Bhabasaheb Ambedkar Technological University, Lonere, Dist.: Raigad | June 2013 | - | - |
| M. Tech.(Chemical) | Indian Institute of Technology, Roorkee, Roorkee (Uttarakhand) | July 2005 | 9.04 (C.G.P.A) | Excellent |
| B. E. (Chemical) | J.N.E.C., Aurangabad. | July 1999 | 65.33 | First |

Teaching Experience (21 Years and till date continue) (Starting from present position):

| Post | Department | Name of Institution | From | To |
|------------------------|----------------------|---|-----------------------------|----------------------------|
| Professor & Head | Chemical Engg. Dept. | K. K. Wagh Institute of Engineering Education and Research, Nashik. | 1 st Dec. 2010 | Till date continue |
| Asst. Professor & Head | Chemical Engg. Dept. | K. K. Wagh Institute of Engineering Education and Research, Nashik. | 21th Sept. 2005 | 30 Nov. 2010 |
| Asst. Professor | Chemical Engg. Dept. | K. K. Wagh Institute of Engineering Education and Research, Nashik. | 09 th Sept. 2005 | 20 th Sept 2005 |
| Lecturer | Chemical Engg. Dept. | K. K. Wagh Institute of Engineering Education and Research, Nashik. | 24th July 2000 | 8 th Sept. 2005 |

Recognition as PG Teacher:

- Recognition as Post Graduate Teacher from Savitribai Phule Pune University, Pune.

Membership of Scientific and professional Societies:

- Life Member of Indian Institute of Chemical Engineers (LM 31586)
- Life Member of Indian Society for Technical Education (LM 29743)
- Associate Member of Institution of Engineers India (M-151979-9)
- Member of Institute of Engineering & Technology (1100309566)

Ph. D. Thesis Topic: Study of decolorization of brilliant green and congo red dye bearing water by adsorption, coagulation, electrocoagulation and electrochemical techniques

Research Publications

International Journals:

- Research Paper entitled ‘Nonlinear Regression Approach for Acid Dye Remediation Using Activated Adsorbent: Kinetic, Isotherm, Thermodynamic and Reusability Studies’ published in *Microchemical Journal* (Elsevier), 148 (2019), pp. 605–615.
- The research paper entitled “Kinetic and equilibrium studies on the removal of Congo red from aqueous solution using Eucalyptus wood (*Eucalyptus globulus*) saw dust” published in the *International Journal, Journal of the Taiwan Institute of Chemical Engineers* 44 (2013) 81–88.
- The research paper entitled, “Studies on the adsorption of Brilliant Green dye from aqueous solution onto low-cost NaOH treated saw dust”, published in the *International Journal, Desalination*, 273, (2011), 321–329, Elsevier Publication.
- The research paper entitled, “Biodiesel Synthesis from Karanja Oil Using Transesterification Reaction”, Published in “*Asian Journal of Chemistry*”, Vol. 20, No. 2 (2008), 857-862.
- The research paper entitled, “Use of Baggasse fly ash as an adsorbent for the removal of Brilliant Green dye from aqueous solution” published in the *International Journal, “Dyes and Pigment”*, 73 (2007) 269-278, Elsevier Publication.
- The research paper entitled, “Kinetic and Equilibrium Isotherm Study for the removal of

Brilliant Green dye from aqueous solution by using Rice Husk Ash” published in the International Journal, “Journal of Environmental Management”, 84 (2007) 390–400, Elsevier Publication.

Conference:

- Presented the paper on “Adsorptive removal of Copper metal Cu (II) ion from wastewater using low cost chemically modified biosorbent” during 26th – 27th February 2018 organized by department K. K. Wagh Institute of Engineering Education and Research, Nashik in association with Savitribai Phule Pune University.
- Presented the paper on “Chlorine Dioxide as an alternative disinfectant for a “Biofouling in Water Network” during 14th – 16th March 2018 organized by Pravara Rural Engineering College, Loni in association with Savitribai Phule Pune University.
- Presented the paper on “Saw dust as best available adsorbent for the treatment of dye bearing water” during 30th January 2014-1st February 2014 at National Conference, EPP-2014, organized by NIT Durgapur, West Bengal.
- Presented the paper on “Formulation of perfume from Lemongrass at International Conference “Innovative Trends in science, Engineering Technology (ICITSET) held at Pune on 7th June, 2015
- Presented the paper on “Recent treatment techniques for removal of heavy metals from wastewaters: A review” during 30th January 2014-1st February 2014 at National Conference, EPP-2014, organized by NIT Durgapur, West Bengal.
- Paper entitled “Photocatalytic degradation of eucalyptus lignin using TiO₂ catalyst to produce vanillin” published in proceedings of International Conference on ‘Global Opportunities & Latest developments in Chemical & Technology (GOLD-CT) – 2014’ during 6-8 February 2014. Secured Best Research Poster Presentation Award among 360 participants.
- Presented the paper on “Evaluation of Performance of Coagulation/Flocculation Method for the Removal of Dyes from aqueous solutions” at International Conference, during 8th - 10th December 2011 held at Institute of Technology, Nirma University, Ahmadabad.
- Presented the paper on “Electrochemical removal of brilliant green and congo red dye from aqueous solutions” at International Conference, during 8th -10th December 2011, held at Institute of Technology, Nirma University, Ahmadabad.

- Paper published in proceeding entitled “Brilliant Green and Congo Red Adsorption (Column Study) from Aqueous Solution onto NaOH Treated Saw Dust” at National Conference (RACEE 2012), organized by NIT Rourkela during January 20th -21st January 2012.
- Paper published in proceeding entitled “Electro coagulation (EC) Method for dye Removal Using Aluminium Electrodes” at National Conference (RACEE 2012), organized by NIT Rourkela during January 20th -21st January 2012.
- Presented the paper on “Environmental Impact Assessment and Life Cycle Assessment- Sustainable Development for Petroleum Industry” at international conference on ‘Emerging trends in Engineering’ organized by PREC Loni during 20th -22nd December 2008.
- Presented the paper on “Irrigation -Today’s Need” in 7th Maharashtra Sinchan Parishad, 2006, jointly organized by Maharashtra Sinchan Parishad and K. K. Wagh Institute of Engg. Education & Research, Nashik.
- The paper published in the proceedings of WMCI-2005, National Conference, entitled “Critical review of the treatment technologies for dyes bearing wastewater” which was held at NIT Rourkela.
- The paper published in the proceedings of WMCI-2005, National Conference, entitled “Selenium – An Environmental Overview” which was held at NIT Rourkela.
- The paper published in the proceedings of 35th ISTE Convention & National Seminar, Dec. 2005 entitled “Heavy Metals in Environment and their Removal Techniques” which was held at B. I. E. T., Davangere, Karnataka.

Worked as Reviewer of Various Journals

- Wood Chemistry and Technology, Taylor and Francis group
- Surfactants and Detergents, Springer
- Industrial and Engineering Chemistry, Elsevier Publication
- Journal of Materials Research and Technology, Elsevier Publication
- Toxicological & Environmental Chemistry, Taylor and Francis group,
- Journal of Molecular Liquids, Elsevier Publication
- The Korean Journal of Chemical Engineering, Spring

Workshop/Seminars/STTP attended

| Sr. No | Institute / Organization | Course attended | Duration | |
|--------|--|--|---|-------------------------------|
| | | | From | To |
| 1. | Indian Institute of Technology Roorkee, Roorkee. (U.A.) | “Process analysis and Optimization using Pinch Technology” | May 23, 2005 | June 03, 2005 |
| 2. | Indian Institute of Technology Roorkee, Roorkee. (U.A.) | “Nano Technology-Nano Materials & Their Applications” | Feb. 21, 2005 | Feb. 25, 2005 |
| 3. | R.E.C., Warangal(A.P.) | “Computer Control of Chemical Processes.” | June 11, 2001 | June 23, 2001 |
| 4. | K. K. Wagh College of Engineering, Nashik. | Fifth State level annual convention of ISTE, Maharashtra and Goa Section | 28 Dec.,2000 | 29 Dec.,2000 |
| 5. | University of Pune and K. K. Wagh College of Engineering, Nashik. | “Youth for Soil & Water Conservation. | Feb.6, 2003 | Feb. 15, 2003 |
| 6. | Sir Visvesvaraya Memorial Engineering College, Chincholi, Nashik | Modeling and Simulation of Chemical Engineering | Oct. 1 st to 5 th Oct. 2008 | 5 th Oct.2008 |
| 7. | Indian Society of Analytical Scientists (ISAS) | Seminar on Gas Chromatography and it's applications | 8 th August, 2008 | 8 th August, 2008 |
| 8. | Waters (India) Private Limited and TA Instruments- Thermal Analysis & Rheology | nCharacterizatio Polymer thermal analysis and Rheology and colorimetry | 16 th April 2009 | 16 th April 2009 |
| 9. | PREC Loni in association with University of Pune | Workshop for Syllabus revision Finalization of SE Chemical | 16 th January 2009 | 16 th January 2009 |
| 10. | D. Y. Patil College of Engineering, Pune | gRoad map of Eg Education for next five years | 16 th July 2010 | 16 th July 2010 |
| 11. | PREC Lone in association with University of Pune | Workshop for Syllabus revision Finalization of BE Chemical | 26 th March 2016 | 26 th March 2016 |
| 12. | MIT Pune in Association with University of Pune | Syllabus revision workshop for SE Chemical and ME Chemical of University of Pune | 26 Feb, 2013 | 26 Feb, 2013 |

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|-----|----------------------|--|---------------|---------------|
| 13. | Agilent Technologies | One day seminar on advances in Liquid chromatography & mass spectroscopy solution for food Industry. | 25 June, 2014 | 25 June, 2014 |
| 14. | MIT Alandi, Pune | Two days seminar on Application of Mathematical modeling in Engineering. | 05 Feb, 2016 | 06 Feb, 2016 |

Awards/Appreciation

- Principal and Management congratulated for excellence and devoted services in teaching profession, reflected by achieving hundred percent result in the examination, held by Pune University in academic year 2014-15 in the subject Heat Transfer for SE Chemical.
- Principal and Management congratulated for excellence and devoted services in teaching profession, reflected by achieving hundred percent result in the or examination, held by Pune University in academic Year 2014-15 in the subject of Petrochemical Engineering for BE Chemical.
- Principal and Management congratulated for excellence and devoted services in teaching profession, reflected by achieving hundred percent result in theory examination, held by Pune University in academic year 2013-14 in the subject Heat Transfer of S. E. Chemical.
- The Management of K. K. Wagh Education Society congratulated by giving certificate for continuous service of 10 years in K. K. Wagh Institute of Engineering Education and Research., Nashik.
- Principal and Management congratulated for excellence and devoted services in teaching profession, reflected by achieving hundred percent result in theory examination, held by Pune University in academic year 2007-08 in the subject Environmental Enginrreing of B. E. Chemical.
- Principal and Management congratulated for excellence and devoted services in teaching profession, reflected by achieving hundred percent result in theory examination, held by Pune University in academic year 2006-07 in the subject Environmental Engineering of B. E. Chemical.

- Under my Headship of Chemical Engineering at K. K. Wagh Institute of Engineering and Research, the Chemical Engineering department got Accreditation status by National Board of Accreditation.

Workshop/Conferences/Seminars/Trainings/Industrial Training organized

- Organized CHEMCAD trainings for the student in association with CP & Company, Thane.
- Organized a National Level Technical Paper Presentation/Model making/quiz competition ChemFest2k12, ChemFest2k13, ChemFest2k14 and ChemFest2k15 for students at department of our Institute.
- Organized a National Level Technical Paper Presentation Competition “ChemFest 2008” at department of our Institute.
- Organized State level Camp “Youth for Soil & Water Conservation” under National Service Scheme, University of Pune and K. K. Wagh college of Engineering, Nashik from 6-15 Feb. 2003.
- Organized various seminars on various topics for the benefit of students like entrepreneurship development, study abroad, Competitive exams, Soft skills, personality development, time management, Mental Health etc.
- Industry persons invited for the various topic of Chemical Engineering for getting recent knowledge in industry.
- Frequently organized industrial visit for each class of Chemical Engineering every year for practical exposure.
- Organized inplant training for student at various Chemical industries in Maharashtra and India.
- Organized State Level Paper Competition for Chemical Engg. Students on 3-4th March 2006 at K. K. Wagh College of Engineering, Nashik.

Industrial Training:

- Attended three days training programme for faculty from 6th -9th September 2006 at Dec. 2005 jointly organized by Sterlite Optical Technology Ltd. and MEDC.
- Attended three days training programme for faculty from 5-7 Dec. 2005 jointly organized by Marico Ltd., Jalgaon and MEDC.

Participation in other Institute /University/Organization:

- Invited as Resource person to judge students project to finalize for forwarding to MSBTE Project competition organized by K. K. Wagh Polytechnic Nashik.
- Invited as Judge for National level Event “Chemcoalence 2K13” for student at SVIT chincholi, Tal-Sinner on 29/01/2013.
- Invited as Judge for Science debate & Science Research and Paper presentation organized by Ashoka Universal School, Wadala, Nashik at Interschool Competition on 16/07/2013
- Invited as Resource person for the two week “Faculty development program” to deliver talk on ‘Effective teaching Learning Process’ on 9th Dec 2015, Organized by Sandip Foundations, Sandip Institute of Engineering & Technology, Nashik.
- Participated as a member of syllabus revision of Dr. MABU Aurangabad in Chemical Engineering on 5th July 2014.
- Participated in syllabus revision of various classes of Chemical Engineering of Pune University.
- Invited as judge for institute level project competition organized by K. K. Wagh Polytechnic Nashik on 16th March 2012.
- Invited as Technical session Chair and Speaker at 28th IRF International Conference organized by IRAJ on 7th June 2015 held at Pune.
- Worked as external senior supervisor by University of Pune for Nov/Dec 2015 Theory Exam at Sandip Foundation, Sandip Institute of Technology & Research Center, Trimbak Road Mahirawani, Nashik (02 Nov. to 04 Dec. 2015).
- Invited as resource person for seminar on Industrial Hygiene organized by K. K. Wagh Polytechnic on 12th August 2008.
- Participated in one day workshop on “Analytical Instruments” organized by BSR Technologies at KTHM College Nashik on 13th August 2016.
- Invited as guest to deliver guest lecture on “Pollution, its effects and causes” at K. K. Wagh Polytechnic Nashik.
- Worked as an External Examiner for Oral/Practical exam of Universities like Dr. BAMU Aurangabad, Shivaji University, Kolhapur & Dr. BATU, Lonere.
- Worked as Subject chairman, paper setter in various subject of Chemical Engineering course at Savitribai Phule Pune University, Pune.

References:

1. Prof. Dr. I. D. Mall,
Ex. Professor and Head, Department of Chemical Engineering,
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2. Prof. Dr. P. V. Vijay Babu
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3. Dr. Vimal Chandra Srivastava,
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