

Prin. Dr. Madhusudan Trimbak Bachute

1. **Qualifications** : M.Sc.; Ph.D.
2. **Experience** : UG Teaching : 36 Yrs.
PG Teaching : 25 Yrs.
3. **Principal** : 2Yrs. 9 months

Positions held

| Sr. No. | Position | Body/Organisation | Duration |
|---------|--|---|---------------------------|
| 1 | Principal | Sangola Taluka Uchcha Shikshan Mandal's Sangola College, Sangola | 15.02.2019 to |
| 1 | Chairperson for <ul style="list-style-type: none"> • LIC committees: affiliation for various programs, research laboratories, divisions • Scrutiny of proposals for sanction of funds for organization of workshops/seminars etc. • Scrutiny of proposals for promotion of teachers under CAS | PAH Solapur University, Solapur | |
| 2 | Member of selection committee for appointment of Principals in various colleges | PAH Solapur University, Solapur | |
| 3 | Member of Senate | Solapur University, Solapur | Aug 2010 to Sept 2015 |
| 4 | Member of Board of Examinations | Solapur University, Solapur | Aug 2010 to Sept 2015 |
| 5 | Member of BOS in Chemistry | PAH Solapur University, Solapur | |
| 6 | Member of Departmental Research Committee in Chemistry | PAH Solapur University, Solapur | |
| 7 | Member of Governing Body, SVERI's College of Engineering, Gopalpur, Pandharpur | Representative of PAH Solapur University, Solapur | 2016 to 2020 |
| 8 | Member of Academic Council | PAH Solapur University, Solapur PAHSUS/BOS/2020/3640 dt. 18.03.2020 | March 2020 to |
| 9 | Member of Academic Council | Watchband College of Arts and Science, Solapur (Autonomous College) PAHSUS/Affi./2021/6708, dt.08.09.2021 | Sept. 2021 to |
| 10 | Head of Department | Dept. of Chemistry K.B. P. Mahavidyalaya, Pandharpur | June 2015 to 14 Feb. 2019 |
| 11 | Coordinator, IQAC | K.B. P. Mahavidyalaya, Pandharpur | Sept.2011 to Sept 2017 |
| 12 | Life Member | Association of Chemistry Teachers (National) | Since 2015 |
| 13 | Life Member | Trajectory , Journal Published by RIRD, Satara | |

Participation in Orientation and Refresher Courses

| Sr. No. | Orientation / Refresher Course | Academic Staff College | Duration |
|---------|--------------------------------|-------------------------------|--------------------------|
| 1 | Orientation Course | Pune University, Pune | 16.09.1989 to 03.10.1989 |
| 2 | Refresher Course | Bihar University, Muzaffarpur | 15.01.1991 to 04.02.1991 |
| 3 | Refresher Course | Shivaji University, Kolhapur | 16.02.1993 to 15.03.1993 |
| 4 | Refresher Course | Pune University, Pune | 15.06.1995 to 12.07.1995 |

Research Papers Published

| Sr. No | Title | Journal | ISSN/ISBN No. | Impact factor if any |
|--------|---|--|---|----------------------|
| 1. | Development and validation of RP-HPLC chromatographic dissolution method for the simultaneous estimation of ramipril and hydrochlorothiazide from solid dosage formulation P. V. Raut, S. L. Padwal, M. T. Bachute, S. A. Polshettiwar | Journal of Pharmaceutical Research International, 33(42B), 2021 , 203-217 (Past Name British Journal of Pharmaceutical Research) | 2456-9119 (2231-2919) | |
| 2 | Development and validation of a dissolution method for Tramadol tablets P. V. Raut, S. L. Padwal, M. T. Bachute | GIS Science Journal, 8(2), 2021 , 1128 | 1869-9391 | |
| 3 | Synthesis and antimicrobial, antioxidant and anti-inflammatory activities of thiazole pyrazole based pyrimidine derivatives D M. Sirsat, P. S. Bhale, H. V. Chavan, S. M. Karape, M. T. Bachute | Rasayan Journal of Chemistry, 13(3), July – Sept., 2020 , 1589-1597 http://www.rasayanjournal.com http://www.rasayanjournal.co.in | 0974-1496(P) 0976-0083 (E) CODEN: RJCABP | |
| 4 | Synthesis and biological evaluation of some triazole integrated Schiff Base as antioxidant and anti-inflammatory agents P. R. Kate, V. M. Gurame, D. M. Sirsat, R. G. Khanpure, A. D. Chavan, M. T. Bachute | JETIR, Vol. 7, Issue 4, April 2020 , 1003-1015 | 2349-5162 | |
| 5 | Anticancer, antioxidant and antiangiogenic activities of nanoparticles of bioactive dietary nutraceuticals <u>P. A. Bansode, P.V. Patil</u> <u>A. R. Birajdar, I. Somasundaram</u> <u>M. T. Bachute, G. S. Rashinkar</u> | Chemistry Select, 4(47) December 19, 2019, 13792-13796 https://doi.org/10.1002/slct.201903946 | 2365-6549 (online) | |
| 6 | Synthesis and biological evaluation of novel thiazole-pyrazole integrated chalcones as antioxidant and anti-inflammatory agents D M Sirsat, P. R. Kate, M. T. Bachute | Asian Journal of pharmaceutical and clinical research, 12(7), 2019 , 311-315 | 0974-2441P) 2455-3891(E) | |
| 7 | Simultaneous determination of four active pharmaceuticals in tablet dosage form by reversed-phase high performance liquid chromatography S. V. Shanbhag, M. T. Bachute | Tropical Journal of Pharmaceutical Research, 18(10), Oct. 2019 , 2161-2166 http://www.tjpr.org | 1596-5996(P), 1596-9827(E) | |
| 8 | Synthesis of Schiff base as DNA gyrase B inhibitor, anti-inflammatory, antioxidant and antibacterial agent P. R. Kate, M. T. Bachute | Rasayan J. of Chemistry Vol. 11(4), 2018 | 0974-1496(P) 0976-0083(E) UGC approval No. 10001 | I.F.0.22 |

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|----|---|---|--|-------|
| 9 | Simultaneous estimation of N- acetyl cysteine and ambroxol hydrochloride from tablet dosage form by HPLC method M. T. Bachute, S. V. Shanbhag | World Journal of Pharmaceutical Research, 6(13), Oct. 2017 , 964-976. (DOI: 10.20959/wjpr201713-9913) | 2277-7105 www.wjpr.net UGC approval No. 47332 | |
| 10 | Simultaneous Estimation of Loratadine and Ambroxol hydrochloride from Tablet Dosage Form by HPLC Method M. T. Bachute, S. V. Shanbhag | IN Journal of Pharmacy and Pharmaceutical Research, 10(2), Sept. 2017 , 392 | 2349-7204 | |
| 11 | Method development and validation by RP-HPLC for simultaneous determination of paracetamol, caffeine, phenylephrine and chlorpheniramine in tablet dosage form . M. T. Bachute, S. V. Shanbhag | IN Journal of Pharm. Sci. Rev. Res.44(2), Article No. 45, May - Jun2017 , 228-233 | 0974-044X | |
| 12 | Analytical method development for simultaneous estimation of methyl salicylate, menthol, thymol and camphor , in an ointment and its validation by gas chromatography M. T. Bachute, S. V. Shanbhag | International journal of chemical and pharmaceutical analysis, 3(3), 2016, 1-11 | Online 2348-0726 Print 2395-2466 | |
| 13 | Development of a novel stability indicating RP-HPLC method for simultaneous determination of adapalene, 2-phenoxy ethanol, methyl paraben and propyl paraben in cream formulations | IJPRD, 6(07), Sept. 2014 , 74 | 0974-9446 I | 2.01 |
| 14 | Green Protocol for synthesis of β -enamino ketones | Golden Research Thought, 3(10), 2014 , 1 | 2231-5063 | |
| 15 | Development of fast reverse phase liquid chromatographic method for simultaneous analysis of betamethasone dipropionate and calcipotriol in ointment and individual bulk drug. | Asian J. of Chemistry, 26(19), 2014 , 6465-6468 | 970-7077 | 0.253 |
| 16 | Microwave assisted synthesis of 1-(6,8-dimethyl coumarin-4-yl)-2-(chroman-3-yl) ethenes under solvent free conditions | Organic Chemistry – An Indian Journal, 9(11), 2013 , 445 | 0974-7516 | |
| 17 | Eco-friendly use of <i>solanumtuberosum L.</i> in quantitative analysis involving redox reactions – An attempt towards fuel saving and pollution control. (Online 1:125, doi 10,4172/2161-1009.10000125) | Biochemistry and Analytical Biochemistry, 2(1), 2013 , 1-3 | 2161-1009 | 2.3 |
| 18 | A rapid and validated reverse phase liquid chromatographic method for determination of imiquimod from topical cream formulations. | J. Pharmacy Research 6, 2013, 73-77 Elsevier Publication), | 0974-6943 | 2.36 |
| 19 | Simultaneous determination of preservatives benzyl alcohol, methyl paraben, and propyl paraben used in imiquimod cream using RP-HPLC-PDA. | Journal of Pharmacy Research, 5(6), 2012 , 3449-3452. | 0974-6943 | 2.36 |
| 20 | Quantitative analysis of nitrites using environmentally benign procedure | Indian Stream Research Journal, III(II) , April 2011 ,1-4 | 2230-7850 | |
| 21 | Synthesis of some 2-[2-(1,3-diphenyl-1H-pyrazol-4-yl)]vinylchromen-4-ones, | Indian J. Heterocyclic Chemistry, 14, April 2005 , 375 | 09711627 | 0.318 |

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|----|---|---|-----------------------|-------|
| 22 | Synthesis of 2-[2-(1,3-diphenyl-1H-pyrazol-4-yl)]chromonones and 2-[2-(1,3-diphenyl-1H-pyrazol-4-yl)]bromochromonones | Chemistry-An Indian Journal, Vol. 1(8), 2004 , 552. | 09747516 | |
| 23 | M.W assisted synthesis of calamenene, | Chemistry-An Indian Journal, Vol. 1(5), Feb 2004 , 327. | 09747516 | |
| 24 | M. W. induced synthesis of 3-methyl-4— [1,3-diphenyl-1H-pyrazol-4-yl)methylene]-1-phenyl pyrazolin-5-(4H)-ones | Indian J. Heterocyclic Chemistry, 12, Jul. – Sept. 2002 , 73 | 09711627 | 0.318 |
| 25 | Synthesis of an intermediate, 7,9-dimethyl,2-tetralone for occidol –I and II | Indian J. of Chemistry, 37B, Sept. 1998 , 281. | 0376-4699 | 0.648 |
| 26 | A new synthesis of occidol, | Indian J. of Chemistry, 31B, Mar. 1992 , 187 | 0376-4699 | 0.648 |
| 27 | Synthesis of emmotin-G-methyl ether, | Indian J. of Chemistry, 38B, Dec.1991 , 1145 | 0376-4699 | 0.648 |
| 28 | Use of Pisumsativum L. (green pease) in estimation of potassium nitrite | Proceeding of National seminar on Emerging trends and synthetic and challenges in nano -chemistry, Rajarshi Shahu College, Latur 11-12.03.2016, 89-93 | ISBN 978-93-84810-153 | --- |

Books Authored

| Sr. No. | Title | Publisher | ISBN |
|---------|---|---|-------------------|
| 1 | Practical handbook in Chemistry for B. Sc. I | Fakade Publishers, Pandharpur , Dist. Solapur | 978-81-937217-0-4 |
| 2 | Practical handbook in Chemistry for B. Sc. II | Fakade Publishers, Pandharpur , Dist. Solapur | 978-81-937217-2-8 |
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Research Projects Completed / Ongoing

| Sr. No | Title | Agency | Year of Completion | Whether Co-PI | Grant (Rs. Lakh) | Status |
|--------|---|---------------------------------|--------------------|---------------|------------------|-----------|
| 1 | Synthetic Studies in Natural Products and Naphthalene acetic acid derivatives | UGC April 1996 to March 1998 | April 1999 | PI | 12500 | Completed |
| 2 | Synthesis of some sesquiterpenes using some MW assisted reactions | UGC April 2000 to March 2002 | April 2011 | PI | 50000/- | Completed |

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| 3. | Eco-friendly use of solanum tuberosum L. in quantitative analysis involving redox reactions | UGC Sept,2009 to Sept, 2011 | Aug.2012 | PI | 185000/- | Completed |
| 4 | Synthesis, characterization and screening of biological activity of some heterocyclic compounds of | UGC F.No. 47-1175/14 Dt. 22.01.2016 April 2017 to March 2019 | Ongoing | PI | 375000 | Completed |

Resource Person

| Sr. No. | Title of the Lecture/Academic Session | Title of the Conference /Seminar etc. | Organized by | Whether IN/NA/S/U/R |
|---------|---|--|--|---------------------|
| 1 | Subject expert for revised syllabus of chemistry of 10 th standard | Workshop on revised syllabus of 10 th std. | S. G. Vidyalaya, Kopargaon 1.08.1995 | Regional |
| 2 | Protecting Groups in Organic synthesis | One day seminar on designing and spectroscopy | Dept. of Chemistry, RBNB, College, Shrirampur 27.03.1999 | U |
| 3 | Disconnection –synthon approach in designing organic synthesis | Lecture series for UG/PG students and teachers | Dept. of Chemistry, RBNB, College, Shrirampur 28,29.02.2000 | University |
| 4 | Training of Chemistry Teachers for using micro-scale technique | Workshop on Micro-scale techniques in Chemistry practicals | AbasahebGarware College, Pune 14-16.03.2002 | University |
| 5 | ORD and CD | Seminar on Stereochemistry and spectroscopic aspects in chemistry | Dada PatilMahavidyalaya, Karjat 4.02.2007 | University |
| 6 | M. W. assisted reactions | Workshop on Green Chemistry | Dahiwadi College, Dahiwadi 5.02.2008 | University |
| 7 | Prochiral relationship in stereochemistry | Seminar on recent developments in stereochemistry | SIPA, GBPS and KVSC College Shahada, 10.11.04.2009 | N |
| 8 | Green Chemistry approaches | State level seminar on Green Chemistry | Dahiwadi College, Dahiwadi 28,29.12.2009 | S |
| 9 | Lipoxygenases in quantitative analysis | 1 st INconference and exhibition on analytical and bioanalytical techniques | OMICS Publishing Group, USA I. C. C. Chennai8-9. 11.2007 | IN |
| 10 | Green analytical procedure for quantitative estimation of inorganic salts | Conference on recent developments in chemical sciences | Radhabai Kale MahilaMahavidyalaya, Ahmednagar 22-23.12.2015 | N |
| 11 | Green approach : College level experiments | Seminar on emerging Trends and challenges in synthetic and nano-technology | Rajarshi Shahu Mahavidyalaya, Latur 11.03.2016 | N |
| 12 | Invited Lecture at the Inaugural | Student Seminar | Walchand College of Arts | |

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| | function of "Students seminars" | Competitions | and Science, Solapur. 11.02.2017 | University |
| 13 | Indian constitution and social justice | Seminar on Life and work of Dr. Babasaheb Ambedkar | Laxmibai Bhaurao Patil Mahavidyalaya, Solapur | IN |
| 14 | Introduction to Chemistry | Work shop on Rayat inspire Project | KBP Mahavidyalaya, Pandharpur | Regional |
| 15 | Draft syllabus of B. Sc. I and M. Sc. I | Workshop on Draft syllabus of B. Sc. I and M.Sc. I | Y.C. Institute of Science, Satara 6.01.2018 | Regional |
| 16 | NAAC: Assessment and Accreditation Process | Workshop on Assessment and Accreditation Process | Shivaji Polytechnic College, Kadlas, Tal. Sangola, 08.04.2021 | Regional |
| | Guest Lectures | | | |
| 1 | Octant Rule | Guest Lecture | Dept. of Chemistry, D.P. Mahavidyalaya, Karjat, 10.09.2006 | College |
| 2 | Pericyclic Reactions | Guest Lecture | School of Chemical Sciences, Solapur University, Solapur 13.01.2007 | University |
| 3 | Reaction Mechanism | Guest Lecture under Lead college programme | Dept. of Chemistry, D. P. Bhosale College, Koregaon 24.01.2007 | College |
| 4 | Synthetic methods | Guest Lecture | Dept. of Chemistry, D.P. Mahavidyalaya, Karjat,, 22,23.02.2007 | College |
| 5 | Name reactions | Guest Lecture | Dept. of Chemistry, Sangola College, Sangola, 17.10.2007 | College |
| 6 | Octant Rule | Guest Lecture | Dept. of Chemistry, D.P. Mahavidyalaya, Karjat, 21.10.2007 | College |
| 7 | COVID -19 Vaccination | Counseling of college students | Sangola College, Sangola 10.05.2021 | College |

Papers Presented in International/National/State/ University level Conferences

| Sr. No | Title of the paper (Oral/Poster) | Title of Activity | Organized by | Whether IN/N/S/ U Level |
|--------|---|---|--|-------------------------|
| 1. | Eco-friendly synthesis of 1-(coumarin-4-yl)chroman-3-yl-ethenes | Conference on nanomaterials and applications (ICNAMA 2008). | Shivaji University, Kolhapur 09-11.12.2008 | IN |
| 2. | Synthesis of 1-(4-nitrophenyl)-2-(chromon-3-yl)ethenes under microwave assistance and solvent free conditions | 17 th IN Conference on Expanding Horizons on Chemical and Biological Sciences - Innovations Crossroads | School of Chemical Sciences, Solapur University, Solapur, 21- 24.01. 2012. | IN |
| 3. | Eco-friendly use of solanum tuberosum L in quantitative analysis involving redox reactions | 3 rd IN conference and exhibition on analytical and bioanalytical techniques | OMICS Publishing Group, USA INCC, Hyderabad 22-24. 11. 2012 | IN |

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| 4. | Search for green approach to quantitative analysis involving red-ox titrations, to save fuel and avoid pollution | Conference on emerging horizons in biochemical sciences and nanomaterials, | Shri Shivaji Mahavidyalaya, Barshi, Dist. Solapur 28-30.11.2013 | IN |
| 5 | Synthesis of Cu ₂ O nanomaterials by chemical reduction method | Conference on emerging horizons in biochemical sciences and nanomaterials, | ShriShivajiMahavidyaaya, Barshi,Dist. Solapur 28-30.11.2013 | IN |
| 6 | Development and validation of RP-HPLC method for domperidone containing piperidine impurity | Conference on functional materials @nanoscale: concerns and challenges | KBP Mahavidyalaya, Pandharpur, Dist. Solapur 9-11.03.2015 | IN |
| 7 | Synthesis of Cu ₂ O nano particles by chemical method | Conference on functional materials @nanoscale: concerns and challenges | KBP Mahavidyalaya, Pandharpur, Dist. Solapur 9-11.03.2015 | IN |
| 8. | Indian constitution and social justice, | Seminar on Life and work of Dr. Babasaheb Ambedkar | LBPM Mahavidyalaya, Solapur, 17,18.02.2017 | IN |
| 9. | Synthesis of indazolechalcone derivatives as potential anticancer and antiinflammatory agents | Conference on interdisciplinary approach in Chemical Research | S. M. Joshi College, Hadapsar, Pune 13-14.12.2017 | IN |
| 10 | A simple, efficient and green protocol for Knoevenagel condensation reaction by using Citrus Maxima (Pomelo) fruit juice. | Multidisciplinary conference on recent trends in Library, Science and Technology, Humanities, Commerce and Management | Anandibai Raorane ACS college, Vaibhavwadi,Dist. Sindhudurg 21.12.2018 | IN |

| Sr. No | Title of the paper presented (Oral/Poster) | Title of Conference/Seminar | Organized by | N Level |
|--------|--|--|--|---------|
| 1 | A new synthesis of calamenene | 4 th National symposium in chemistry. | National Chemical Lab. Pune, 1-3.02. 2002. | N |
| 2 | A synthesis of 1-norcalamenene | Conference on frontiers in organic chemistry. | Shivaji University, Kolhapur, 7-8.02. 2002. | N |
| 3 | Student seminars : the best approach to enhance academic performance | Seminar on students' participation in assurance and enhancement of quality in higher education | ShankarraoMohiteMahavidyalaya, Akluj 22,23.12.2006 | N |
| 4 | Drawing of molecular structures using chemistry softwares | National seminar on recent trends in chemical education, | K. B. P. Mahavidyalaya, Pandharpur, 19,20.Jan. 2007 | N |
| 5 | Use of computers in chemical education: interpretation of spectra | Seminar on recent trends in chemical education, | K. B. P. Mahavidyalaya, Pandharpur, 19,20.Jan. 2007 | N |
| 6 | A new synthesis of 5-methoxy calamenene | Seminar on current advances in organic chemistry research | Dept. of Chem, HPT Arts and RYK Science College, Nashik ,24,25,08.2007 | N |
| 7 | M.W. assisted synthesis of 2-[4-(4, 5-dihydro -3-phenyl -1H-pyrazol-5-yl)phenyl] pyridines | Seminar on recent trends in chemistry. | Y. C. Institute of Science, Satara, 14,15.10.2010 | N |
| 8 | Direct poly-condensation of diamines and diacids using 2-chloro-4,6-dimethoxy-s- triazine as condensing agent. | Seminar on recent trends in chemistry. | Y. C. Institute of Science, Satara, 14,15.10.2010 | N |
| 9 | Synthesis of 3-[(2-hydroxyphenyl)-4-(4-nitrophenyl)vinyl pyrazoles, | Seminar on advanced spectral methods of analysis[NS, ASMA-2012] | K.B.P. Mahavidyalaya, Pandharpur, 18-19.12. 2011. | N |
| 10 | Synthesis 3-(2-hydroxyphenyl)-1H-pyrazolecarboxaldehydes. | Seminar on new trends in Synthetic Organic Chemistry, | MahtmaPhule College, Pimpri, Dist. Pune(MS), | N |

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|-----|--|--|---|---|
| | | | 28-30.01. 2012 | |
| 11 | Synthesis and characterization of salicyloylpyrazoles, | Seminar on applications of nanomaterials in synthesis. | S. M. Joshi College, Hadapsar, Pune, 13-14.02. 2012. | N |
| 12 | Synthesis of nanocrystalline dichalcogenide thin films using chemical bath deposition method | Seminar on advanced synthesis of nanomaterials and their applications. | K. B. P. Mahavidyalaya, Pandharpur, Dist. Solapur 16-17.09. 2012 | N |
| 13 | A rapid and validated reverse phase liquid chromatographic method for determination of imiquimod from topical cream formulations | Seminar on radiations and radiopharmaceuticals in health care | College of Pharmacy, Pandharpur, Dist. Solapur 16.02.2013 | N |
| 14 | A simple, acetonitrile free stability indicating RP -HPLC method for simultaneous determination of calcipotriol and betamethasone dipropionate in topical ointment formulations. | Seminar on Green approach in applied sciences | D. P. College, Karjat, Dist. Ahmednagar 14-15. 03.2013 | N |
| 15 | Use of <i>Lycopersium Esculentum</i> L.(Tomato) in quantitative analysis of potassium permanganate : An eco-friendly procedure | Seminar on advanced trends and techniques in research in chemistry | DBF Dayanand College, Solapur 22-23.02.2014 | N |
| 16 | <i>Pisum sativum</i> L. as co-catalyst in quantitative analysis of potassium permanganate: An eco-friendly approach | Seminar on advanced trends and techniques in research in chemistry | DBF Dayanand College, Solapur 22-23.02.2014 | N |
| 17 | Biocatalysed green synthesis of enamino ketones | Seminar on advanced trends and techniques in research in chemistry | DBF Dayanand College, Solapur 22-23.02.2014 | N |
| 18 | An eco-friendly procedure for estimation of manganese. | Conference on Frontiers in Chemical Sciences | School of chemical Sciences, SUS, 30.06.2014 | N |
| 19 | An eco-friendly method for the synthesis of pyrano[2,3-c]pyrazole derivatives using ethyl lactate as a green solvent | Conference on Frontiers in Chemical Sciences | School of chemical Sciences, Solapur University, Solapur 30.06.2014 | N |
| 20 | Environmentally benign procedure for standardization of potassium permanganate | Seminar on emerging trends in organic chemistry | Dept. of Chemistry, MJS, Mahavidyalaya, Shrigonda, 26-27.12. 2014 | N |
| 21 | An efficient and green synthesis of 4,4'-(arylmethylene)-bis-(1H-5-pyrazol-5-ols) by tandem Knoevenagel –Michael reaction | Seminar on current trends in organic chemistry research | KBP Mahavidyalaya, Pandharpur, Dist. Solapur 6,7.02.2015 | N |
| 22 | Green analytical procedure for estimation of nitrites | Conference on recent developments in chemical sciences | RKMM Ahmednagar 22,23.12.2015 | N |
| 23. | Study Circles the Best Practice to Enhance Learning Interest among Students | Seminar on quality improvement of higher education through teaching, learning and evaluation | KBP Mahavidyalaya, Pandharpur, Dist. Solapur, 10.02.2016 | N |
| 24 | Use of <i>Pisum sativum</i> L. (Green Peas) in quantitative analysis of potassium permanganate | Conference on emerging trends and challenges in synthetic and nano chemistry | Rajarshi Shahu College, Latur, 11,12.03.2016 | N |

Organisation of Seminars/Workshops/Conferences etc.

| Sr. No. | Title of Activity | Place | Duration |
|---------|---|--------------------------|-------------|
| 1 | IN webinar in Hindi: Vartmaan paridrushy me | Sangola college, Sangola | 10.03. 2021 |

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| | Hindi Laghukatha_-prasangikata evam naye aayam | | |
| 2 | Webinar on Women Diet on the occasion of Poshak Ahar Month | Sangola college, Sangola | 22.09.2021 |
| 3 | Webinar on kitchen Garden and Women Health | Sangola college, Sangola | 16.09.2021 |
| 4 | National webinar on New Education Policy 2020 | Sangola college, Sangola | 20.10.2020 |
| 5 | National Webinar on conservation of biodiversity, climate change | Sangola College, Sangola | 07.06.2020 |
| 6 | International Conference on recent advances in physical and chemical sciences | Sangola College, Sangola | 22.01.2020 |
| 7 | State level workshop on Fruits carving | Sangola College, Sangola | |
| 8 | Training on Human Rights | Sangola College, Sangola | |
| 9 | Faculty Development Program on Cyber Security, | Faculty Development Centre, Shivaji University, Kolhapur | 25.04 to 01.05.2019 |
| 10 | Training on Human rights | Sangola College, Sangola | |
| 11 | National Seminar on Quality improvement in Higher Education through TLE : Convener | KBPM Pandharpur | 10.02.2016 |
| 12 | International conference on Functional materials @ nanoscale: Challenges and concerns : Cocordinator | KBPM Pandharpur | 9-11.03. 2015 |
| 13 | National seminar on current trend in organic chemistry research: Convener | KBPM Pandharpur | 6,7.02.2015 |
| 14 | National seminar on Advanced syntheses of nanomaterials and their applications : Organising Secretary | KBPM Pandharpur | 17,18.09.2012 |
| 15 | International conference on Chemical Sciences : Member | Solapur University, Solapur | 2-4.. 11.2012 |
| 16 | 17 th International Conference Member | Solapur University, Solapur | 22-24.01.2012 |
| 17 | National seminar on Advanced spectral methods of Analysis | KBPM Pandharpur | 17,18.12.2011 |
| 18 | State Level Seminar on Best Practices Through IQAC : Member | K. B. P. Mahavidyalaya, Pandharpur | 18-19.12.2009 |
| 19 | National Conference on Recent Trends in Chemical Education : Member | K.B.P. Mahavidyalaya, Pandharpur | 19-20.01. 2007 |
| 20 | Workshop –Maharashtra VivekVahini Regional : Member | K.B.P. Mahavidyalaya, Pandharpur | 28.02. 2006 |
| 21 | Workshop on draft Syllabus of B.Sc. II and UGC model Curriculum Regional : Member | K.B.P. Mahavidyalaya, Pandharpur | 21.01.2004 |
| 22 | Workshop on Preparation for NET/SET (Chemistry) Examinations Regional : Member | SSGM College, Kopargaon Dist. Ahmednagar | 28-29.10.2002 |
| 23 | Seminar on Computers in Chemical Education Regional : Member | SSGM College, Kopargaon Dist. Ahmednagar | 28.02-1999 to 02.03.1999 |
| 24 | Workshop on NMR and CMR Regional : Member | SSGM College, Kopargaon Dist. Ahmednagar | 26-29.07.1990 |

Honours/Awards

| Sr. No. | Honour/Award | Awarding Body | Remark |
|---------|--------------|---------------|--------|
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|----|----------------------------------|---|----------------------------|
| 1. | Research Guide in Chemistry | PAH Solapur University, Solapur | 3 students completed Ph.D. |
| 2. | Research Supervisor in Chemistry | Algappa University, | 1 student completed M.Phil |
| 3. | Ideal Teacher | Punjabrao Deshmukh Rashtriya Shikshak Parishad, Pune Division | |
| 4. | Best Teacher | KBPM Pandharpur | |

Examination Duties

1. Paper setter, Examiner and Moderator for UG and PG (Chemistry) internal and university examinations.
2. Chairperson: Flying squad
3. Internal and External referee for Ph. D. candidates Viva-voce

Extension Activities/ Social Responsibility

1. Donation to Educational Institutes:
 - Rayat Shikshan Sanstha Satara
 - Shri Vitthal Institute of Education and Research, Gopalpur, Pandharpur
 - Vitthal Institute of Progressive Education, Pandharpur
2. Donation to Chief Minister Fund : Fight Kovid 19 Pandemic
3. Donation to Natural calamities affected Areas
4. Counseling regarding Superstitions (Andhshraddha)
Lectures with demo in various villages at the time of NSS camp in Kopargaon and Pandharpur Taluka(Wakhari, Wadi Kuroli, Tavasi, Sarkoli, Tarapur, KBPM)

Seminars/Conferences/Workshops attended

| Sr.No. | Title of activity | Organized By |
|--------|--|---|
| 1 | 24 th Annual convention of Chemists | Dept. of Chemistry, Shivaji University, Kolhapur, 22-26.11.1987 |
| 2 | Workshop in Polymer Chemistry | Arts , Science & PON Commerce College, Bhusawal 5-7.02.1988 |
| 3 | Seminar on Recent advances in Chemistry | Dept. of Chemistry, Shivaji University, Kolhapur, 28-30.11.1988 |
| 4 | Workshop on NMR(advanced ideas) and CMR | Dept. of Chemistry, S.S.G.M. College, Kopargaon 26-29.07.1990 |
| 5 | Seminar on Problem solving approach to Spectroscopy and pericyclic reactions | Dept of chemistry, RBNB College, Shrirampur, 4-5.03.1994 |
| 6 | Seminar on Computers in Chemical Education | Dept. of Chemistry, SSGM College, Kopargaon 28.02-2.03.1999 |
| 7 | Seminar on Designing organic synthesis and Spectroscopy | Dept of chemistry, RBNB College, Shrirampur 27-28.02.2000 |
| 8 | How to prepare for the Peer Team Visits of NAAC | Indian Institute of Education, Pune, 18.10.2003 |
| 9 | Workshop on discussion on draft syllabus of B. Sc. II and UGC model curriculum | KBPM, Pandharpur, 21.01.2004 |
| 10 | Seminar on ' Water Budget' | K. B. P. Mahavidyalaya, Pandharpur, 11.11.2005 |

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| 11 | Workshop on Maharashtra Vivek Vahini | KBPM, Pandharpur, 28.02.2006 |
| 12 | One day workshop on Challenges in higher Education | Organised by Rayat Shikshan Sanstha, satara at KBPM Pandharpur, 9.12.2007 |
| 13 | Seminar on recent trends in chemistry. | Y. C. Institute of Science, Satara, 14,15.10.2010 |
| 14 | NAAC sponsored seminar on Quality and excellence in higher education | KBP College, Vashi, 19.11.2011 |
| 15 | State level seminar on application of computer in biological sciences | K.B.P. Mahavidyalaya, Pandharpur, 21-22.12. 2011. |
| 16 | National Seminar on use of advanced teaching methods in senior and Teacher training colleges | KBPM Pandharpur, 30,31.Dec. 2011 |
| 17 | Workshop on API Score | SUTA and KBPM, Pandharpur, 30.09.2012. |
| 18 | National seminar on Innovative practices in Higher Education | Dahiwadi College, Dahiwadi, 20.12.2012 |
| 19 | State level seminar on Patent Process | YC Institute of Science, Satara, 20.04.2013 |
| 20 | IN conference on energy efficient campus and exchange of research on energy and environment | Y.C. Institute of Science, Satara, 30.05.2013 |
| 21 | State level seminar on development of academic resource centre | Rayat Institute of Research and development, Satara, 10.10.2013 |
| 22 | UGC schemes, NAAC third cycle, Autonomous college Research and development | Karmaveer Vidya Prabodhini, Satara 7,8.05.2014 |
| 23 | State level seminar on Awareness of women Regarding Human Rights | KBPM, Pandharpur 21.12.2014 |
| 24 | Issues in Higher Education | Karmaveer Vidya Prabodhini, Satara, 7,8.05.2015 |
| 25 | Workshop on discussion on curriculum of B. Sc. Chemistry, CBCS, Pattern | Walchand College of ACS, Solapur, 20.12.2015 |
| 26 | Issues in Higher Education | Karmaveer Vidya Prabodhini, Satara, 19,20.01.2016 |
| 27 | Issues in Higher Education | Karmaveer Vidya Prabodhini, Satara, 7,8..05.2016 |
| 28 | National Seminar on Recent trends in nanomaterials and its applications | Vidyan Mahavidyalaya, Sangola 21.01.2017 |
| 29 | National Seminar on Recent trends in mathematics | KBPM, Pandharpur, 30.01.2017 |
| 30 | One day workshop on The Maharashtra Public Universities Act 2016 | SUTA and Solapur University, Solapur at KBPM, Pandharpur, 12.02.2017 |
| 31 | NAAC sponsored State level workshop on Academic and Administrative Audit | Vidya Pratishthan's IIT, Baramati, 18.02.2017 |
| 32 | National conference on innovations in Chemistry | DBF Dayanand College, Solapur, 30.04.2017 |
| 33 | Issues in Higher Education | Karmaveer Vidya Prabodhini, Satara, 7,8..05.2017 |
| 34 | National Conference on Recent Advances in Chemical Sciences | Solapur University, Solapur, 26.11.2017 |
| 35 | Workshop on B.Sc. III Chemistry CBCS pattern syllabus | K.N. Bhise Arts and Commerce College, Kurduwadi, 18.12.2017 |
| 36 | National seminar on revised assessment and accreditation methodology by NAAC | Anandibai Raorane Arts, Commerce and Science College, Vaibhavwadi, Dist : Sindhidurg, 19.12.2017 |
| 37 | Workshop on Intellectual property right (IPR) | IQAC, KBPM Pandharpur and Patent Office, Mumbai, 12.01.2018 |
| 38 | State level seminar on CMI -2018 | Shivaji Mahavidyalaya, Barshi and SUCTA Solapur, 30,06,2018 |
| 39 | Workshop on quality monitoring of chemicals, glass-ware and instruments | Rayat Shikshan Sanstha and YCIS, Satara 31.07.2018 |
| 40 | Training program on Human Rights | Sangola College, Sangola, 5.01.2019 |
| 41 | Faculty Development Program on Cyber Security, | Faculty Development Centre, Shivaji University, Kolhapur, 25.04 to 01.05.2019 |
| 42 | National conference on emerging trends in pharmaceutical Chemistry | DBF Dayanand College, Solapur, 24,25.01.2020 |