



**Dr. Narwade Sanjay Karbhari**

Associate Professor

Department of Chemistry

Shri Anand College, Pathardi.

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**Academic Qualifications**

| Exam.  | Subject           | Year of passing | University             | Class Obtained |
|--------|-------------------|-----------------|------------------------|----------------|
| B.Sc.  | Chemistry         | 1990            | Pune                   | First          |
| M.Sc.  | Organic Chemistry | 1992            | Pune                   | First          |
| B. Ed. | -----             | 1993            | B.A.M.U.<br>Aurangabad | First          |
| Ph.D.  | Chemistry         | 2009            | Pune                   | -----          |
| S.E.T. | Chemistry         | 1997            | Pune                   | -----          |

**3. Refresher / Orientation / Short term programme attended:**

| Sr. No. | Orientation/ Refresher   | Name of the Institution                          | Period                         | Subject            |
|---------|--------------------------|--|--------------------------------|--------------------|
| 1       | Orientation Course       | Academic Staff College<br>H.P.University Shimla. | 06/05/2002<br>To<br>01/06/2002 | Inter Disciplinary |
| 2       | Orientation (Short Term) | Ahmednagar College,                              | 02/10/2002<br>To               | NSS                |

|   |                   |                                     |                                |                          |
|---|-------------------|-------------------------------------|--------------------------------|--------------------------|
|   |                   | Ahmednagar.                         | 12/10/2002                     |                          |
| 3 | Refresher Course  | N.M.University Jalgaon.             | 07/11/2003<br>To<br>28/11/2003 | Chemistry                |
| 4 | Refresher Course  | University of Pune                  | 14/11/2007<br>To<br>04/12/2007 | Organic Chemistry        |
| 5 | Refresher Course  | Goa University Goa                  | 28/03/2009<br>To<br>18/04/2009 | Chemistry                |
| 6 | Short Term Course | Sant Gadge Baba Amrawati University | 27/08/2012<br>To<br>01/09/2012 | Environment Conservation |

**4. Research projects completed:** Three minor research projects completed.

| Sr. No. | Title of the project   | Funding Agency          | Amount Rs. | Duration | Remark  |
|---------|--|-------------------------|------------|----------|---|
| 1       | Synthesis and screening of some azoles.  | BCUD<br>Pune University | 1,00,000/- | 2008-10  | Completed<br><i>Letter No.</i><br>BCUD/14 dated<br>27/01/2008 |
| 2       | Synthesis, characterization And Biological Activities of Some Selenadiazole and Thiadiazole. | U.G.C<br>(WRO)Pune -7   | 85,000/-   | 2008-10  | Completed<br><i>Letter No.F.No.</i> 47039/07<br>Completed     |
| 3       | Synthesis, Characterization and biological Activities of Some Bioactive Heterocycles.        | U.G.C(WRO)Pune<br>-7    | 85,000/-   | 2013-15  | Completed<br><i>Letter No.F.No.</i> 47-<br>298/12             |

## **5. Help rendered/ post held:**

### **As a Co-ordinator:**

Chemiad Competition organized for F.Y.B.Sc. Students.

### **As a Co-ordinator:**

National Conference on “Upcoming Trends in Chemical Sciences” UTCS 2013 on 6<sup>th</sup> and 7<sup>th</sup> September 2013.

### **As a Co-ordinator:**

Y.C.M.O.U. Nashik. 2014-15 to 2016-17.

## **6. Awards / Recognition:**

- Awarded Ph.D. Degree in chemistry by Pune University Pune, dated 16/ 09/2009.  
**Title:** - “Synthesis, Characterization and Screening of Some Bioactive Azoles”.
- Recognition as a **Post -Graduate teacher** in subject of Chemistry for a period of five years with effect from
- Recognition as a **Research Guide** in subject of Chemistry with effect from may-2021.
- **Vidyaratna** award of 2010 from Indian NET/SET Association at Buldana.

## **7. Research Publications:**

1. **S. K. Narwade**, V. B. Halnor, N. R. Dalvi, C. H. Gill & B. K. Karale, Conventional and ultrasound mediated synthesis of some thiadiazoles, triazoles and oxadiazoles, *Indian Journal of Chemistry*, 45B, **2006**, 2776-2780.
2. **S. K. Narwade**, S. B. Kale & B. K. Karale, Synthesis and antimicrobial activities of some fluorinated substituted pyrazoles, *Indian Journal of Heterocyclic Chemistry*, 16, **2007**, 275-278.
3. **S. K. Narwade**, B. K. Karale, S. G. Jagdhani, C. S. Chaudhari & S. S. Rindhe, Synthesis and antimicrobial screening of (1-(2,4-dichlorophenyl)-1*H*-pyrazol-4-yl)(2-hydroxyphenyl)methanone and 2-(1-(2,4-dichlorophenyl)-1*H*-pyrazol-4-yl)benzo[*d*]oxazole, *Oriental Journal of Chemistry*, 24(3), **2008**, 1029-1034.
4. **S. K. Narwade**, B. K. Karale, S. B. Kale, P. V. Randhavane, M. P. Sonawane, P. R. Nirmal & S. S. Rindhe, Synthesis of some thiadiazoles, selenadiazoles and thiadiazolines from their 2-spirocyclobutanebenzopyran precursors, *Indian Journal of Heterocyclic Chemistry*, 18, **2009**, 287-290.
5. S. G. Jagdhani, **S. K. Narwade**, B. K. Karale, S. B. Kale, Synthesis and antimicrobial screening of some Thiazepines, *Indian Journal of Heterocyclic Chemistry*, 18, **2009**, 291-294.

6. P. V. Randhavane, B. K. Karale, **S. K. Narwade**, Synthesis & biological screening of some halogenated azoles, *Indian Journal of Chemistry*, 45B, **2010**, 89-95.
7. **S. K. Narwade**, B. K. Karale, S. B. Pawar, M. F. Shaikh, B. Y. Pagare, A. B. Gambhire, Synthesis of Some Chlorinated Pyrazolyl Compounds by Non-Conventional Methods, *Proc., Upcoming Trends in Chemical Science*, **2013**, 64-66.
8. R.R. Bhosale, S.R. Pujari, M.F. Shaikh, S.B. Pawar, **S.K. Narwade**, G.G. Muley, A.B. Gambhire, A comparative study on characterization, photocatalytic activities of doped TiO<sub>2</sub>, *Proc., Upcoming Trends in Chemical Science*, **2013**, 5-7.
9. B. Y. Pagare, S. B. Pawar, M. F. Shaikh, A. B. Gambhire, **S. K. Narwade**, S. P. Lawande, B. R. Arbad, Kinetics of Formation of 4-Thiazolidinones by Cyclocondensation Reaction of Schiff Bases and Thiolactic Acid, *Proc., Upcoming Trends in Chemical Science*, **2013**, 33-36.
10. M. F. Shaikh, S.B. Pawar, B.Y. Pagare, **S.K. Narwade**, A.B. Gambhire, M. N. Farooqui, Refractive Index and Conductance Measurement of Some Pharmaceutical Drugs in Aqueous Ethanol System at 301.5 k, *Proc., Upcoming Trends in Chemical Science*, **2013**, 25-27.
11. S.B. Pawar, B.K. Karale, M.F. Shaikh, A.B. Gambhire, **S.K. Narwade**, C.H. Gill, Synthesis of 1-Phenyl-2-[(1,3-Diphenyl-1*h*-Pyrazol-4-Yl)Methylene]3-  
  - a. (2-HydroxyPhenyl) Propan-1,3-Diones and [3-(Aroyl), 2-(1,3-Diphenyl-
  - b. 1*h*-Pyrazol-4-Yl]-1*h*-Chromon-4-Ones, *Proc., Upcoming Trends in Chemical Science*, **2013**, 50-52.
12. S.B. Pawar, **S.K. Narwade**, A.B. Gambhire, B.K. Karale, C.H. Gill, Synthesis and Characterisation of 2-Ethyl-3-(1-Methyl-3-n-Propyl-1*H*Pyrazol-5-Carbonyl) Chromon-4-Ones and (2-Hydroxy Phenyl),(3-(1-Methyl-3-n-Propyl-1*h*-Pyrazol-5-YL)-4*H*-Benzo[b][1,4]Thiazin-2YL)Methanones, *Proc., Upcoming Trends in Chemical Science*, **2013**, 96-98.
13. A.B. Gambhire, M.F. Shaikh, B.Y. Pagare, **S.K. Narwade**, G.G. Muley, Photocatalytic degradation of phenol under visible light using doped-TiO<sub>2</sub> nanoparticles. *Journal of Advances in Science and Technology*, Vol 14 (2), December **2014**, 91-94.
14. V.T. Tagad, M.E. Navgire, G.G. Muley, B.Y. Pagare, **S.K. Narwade**, A.B. Gambhire, Synthesis, characterization and solar photolytic degradation of phenol using doped TiO<sub>2</sub> nanoparticles. *Journal of Advances in Applied Science and Technology*, Vol 1(2), December **2014**, 196-198
15. **S.K. Narwade**, B. Y. Pagare, Synthesis of Some Chlorinated Pyrazolyl Compounds by Non-Conventional Methods, *EDU world A Multidisciplinary peer reviewed referred Journal*, **2018**, 12 (8), 171-175.

16. **S.K. Narwade**, B. Y. Pagare, Solar Photocatalytic degradation of methelene blue using Sb-Doped TiO<sub>2</sub> Nanoparticocles, *Journal of the Maharaja Sayajirao University of Badoda*, **2021**, Vol (55).

**. Invited Talks in State level seminars:**

| Sr. No. | Title  | Sponsoring agency  | Place   | Date   |
|---------|--|--------------------|---|--|
| 1       | State level Seminar on“Recent trends in Synthetic rganic Chemistry.” | University of Pune | D.P.R.College,<br>Adinathnagar.KasarPimpalgoan,<br>Pathardi | 11 <sup>th</sup> to 12 <sup>th</sup><br>Feb.2011 |
| 2       | State level Seminar on“Applications of Spectroscopy in Chemistry.”   | University of Pune | R.K.M.M.,Ahmednagar.  | 2 to 3 <sup>rd</sup><br>Jan.2012                 |

**9. Participation in seminars, workshops and conferences:**

| Sr. No. | Name of Activity       | Topic/Title  | Organizing College/University                 | Duratio n   |
|---------|------------------------|--|---|---|
| 1       | Workshop               | “Microscale Techniques in Chemistry.”                | University of Pune                            | 14 <sup>th</sup> to 16 <sup>th</sup><br>Mar. 2002 |
| 2       | State level conference | “N.S.S.”   | B.P.Ed. College, Mohol, Dist- Solapur.        | 3 <sup>rd</sup> to 4 <sup>th</sup> Aug.<br>2003   |
| 3       | State level Seminar    | “Applications of Spectroscopy in Organic Chemistry.” | R.K.M. Mahavidyalaya,<br>Ahmednagar.          | 23 <sup>rd</sup> Jan. 2005                        |
| 4       | State level conference | “Recent trends in Organic Chemistry.”                | S.S.G.M.CollegeKopargaon.<br>Dist- Ahmednagar | 9 <sup>th</sup> to 11 <sup>th</sup><br>Mar. 2006  |

|    |                          |   |   |  |
|----|--------------------------|---|---|--|
| 5  | National Seminar         | “Frontiers of Chemical Sciences.”   | Aurangabad College for Women. Dist- Aurangabad            | 12 <sup>th</sup> to 13 <sup>th</sup> Mar. 2005 |
| 6  | State level Seminar      | “The Best Practices in College Administration.”                                 | S.S.G.M.CollegeKopargaon. Dist- Ahmednagar                | 23 <sup>rd</sup> to 24 <sup>th</sup> Sep. 2006 |
| 7  | State level Seminar      | “Recent trends in Analytical Chemistry.”  | S.S.G.M.CollegeKopargaon. Dist- Ahmednagar                | 16 <sup>th</sup> to 17 <sup>th</sup> Feb. 2007 |
| 8  | International conference | Conference on “Advances in Drug Discovery Research.”                            | Dr. B.A.M.U., Aurangabad.                                 | 24 <sup>th</sup> to 26 <sup>th</sup> Feb. 2007 |
| 9  | Workshop                 | Workshop on “Soil and Water Testing.”   | Sangamner College Sangamner. Dist- Ahmednagar             | 9 <sup>th</sup> Jul. 2007                      |
| 10 | National Seminar         | National Seminar on “Progressive Journey of Drug To Mind To Market.”            | P.V.P.College, Pravaranagar. Tal-Rahata, Dist- Ahmednagar | 18 <sup>th</sup> to 20 <sup>th</sup> Dec. 2008 |
| 11 | Workshop                 | Workshop on “Restructuring of S.Y.B.Sc. Syllabus.”                              | Ahmednagar College Ahmednagar.                            | 16 <sup>th</sup> Jan. 2009                     |
| 12 | State level Seminar      | State level Seminar on “Spectroscopic trends in Organic & Inorganic Chemistry.” | S.S.G.M.CollegeKopargaon. Dist- Ahmednagar                | 24 <sup>th</sup> to 25 <sup>th</sup> Feb. 2009 |
| 13 | Regional Conference      | Regional Conference for Pune University college teachers INNOVATION.            | K.T.H.M. College, Nashik.                                 | 24 <sup>th</sup> to 25 <sup>th</sup> Nov. 2009 |
| 14 | State level Seminar      | State level Seminar on “Recent trends in Synthetic Organic Chemistry.”          | R.K.M.M., Ahmednagar.                                     | 28 <sup>th</sup> to 29 <sup>th</sup> Jan. 2010 |

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|    |                     |  |  |   |
| 15 | State level Seminar | “Recent Advances in Spectroscopy & its applications.”                      | N.A.C. &S.College, Shevgaon.   | 4 <sup>th</sup> to 5 <sup>th</sup> Feb..2010        |
| 16 | NationalConference  | National Conference on “Research in chemical science.”                     | Millia A.S.&M.S.College, Beed.   | 1 <sup>st</sup> to 2 <sup>nd</sup> Feb.2011         |
| 17 | National Seminar    | National Seminar on “Recent trends in material science ”                   | N.A.C.&S.College, Parner.  | 21 <sup>th</sup> to 22 <sup>th</sup> Feb..2010      |
| 18 | National Conference | National Conference on “Sustainable Chemistry challenges & opportunities.” | Dr. B.A.M.U. Sub-campus, Osmanabad.  | 9 <sup>th</sup> to 10 <sup>th</sup> Jan.2012        |
| 19 | National Seminar on | National Seminar on “General applications of chemistry”                    | S.S.G.M. College Kopargaon. Dist- Ahmednagar   | 11 <sup>th</sup> to 13 <sup>th</sup> Feb. 2012      |
| 20 | National seminar    | National seminar on “Role of green chemistry in environmental pollution”   | AnandraoDhonde Alias Bamji Arts, Comm. & Science college, Kada Tal- Asti, Dist- Beed | 21 <sup>st</sup> to 22 <sup>nd</sup> . Dec. 2012    |
| 21 | Workshop            | Workshop on “Restructuring of F.Y.B.Sc. Syllabus.”                         | R.K.M.M., Ahmednagar.  | 12 <sup>th</sup> . Feb. 2013                        |
| 22 | National conference | National conference on “Nanomaterials: Applications &properties”           | Arts, Comm. & Science college, Sonai, Dist- Ahmednagar                               | 22 <sup>nd</sup> . to 23 <sup>rd</sup> . Feb. 2013  |
| 23 | National seminar    | National seminar on “Green approach in applied science”                    | Dada Patil Mahavidyalaya, Katjat. Dist- Ahmednagar                                   | 14 <sup>th</sup> . to 15 <sup>th</sup> . March 2013 |

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|----|--------------------------|--|---|--|
| 24 | National conference      | National conference on “Upcoming Trends in Chemical Sciences”                        | Shri Anand College, Pathardi.                                   | 96 <sup>th</sup> to 17 <sup>th</sup> Sept. 2013    |
| 25 | International conference | International conference on “Herbal & Synthetic Drug Studies [HSDS-2014].”           | Abeda Inamdar Senior College of Arts, Science & Commerce, Pune. | 10 <sup>th</sup> to 12 <sup>th</sup> Feb. 2014     |
| 26 | State level Seminar      | State level Seminar on “Role of metals in drug Chemistry.”                           | N.A.C. & S.College, Shevgaon.                                   | 26 <sup>th</sup> to 27 <sup>th</sup> Sept. 2014    |
| 27 | National conference      | National conference on “Interdisciplinary approaches in Biochemical Sciences”        | R.K.M.M., Ahmednagar.   | 19 <sup>th</sup> . to 20 <sup>th</sup> . Dec. 2014 |
| 28 | Workshop                 | Workshop on “Restructuring of T.Y.B.Sc. Syllabus.”                                   | A.S.&C.College, Rahuri.   | 16 <sup>th</sup> . Jan. 2015                       |
| 29 | National conference      | National conference on “Recent developments in Chemical Sciences”                    | R.K.M.M., Ahmednagar.   | 22 <sup>nd</sup> . to 23 <sup>rd</sup> . Dec. 2015 |
| 30 | National conference      | National conference on “Recent Trends in Chemical Sciences”                          | D.P.R.College, Adinathnagar.                                    | 21 <sup>st</sup> . to 22 <sup>nd</sup> . Dec. 2017 |
| 31 | Workshop                 | Teacher Enrichment Programme   | N.A.C. & S.College, Shevgaon.                                   | 17 <sup>th</sup> . to 18 <sup>th</sup> . Jul. 2019 |
| 32 | National Webinar         | “IPR & e-Content Development”  | Rajaram College, Kolhapur.                                      | 8 <sup>th</sup> . to 10 <sup>th</sup> . June 2020  |
| 33 | National Webinar         | National Webinar on “ on Features of chem draw & greener aspects of drug discovery.” | RNC Arts, JDB Commerce & NSC Science college, Nashik.           | 20 <sup>th</sup> . July. 2020                      |



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| 34 | Workshop                   | Workshop on “Restructuring of S.Y.B.Sc. Syllabus.”(CBCS-2020)  | N.A.C.& S.College, Parner.   | 26 <sup>th</sup> . Aug. 2020                    |
| 35 | Workshop                   | Workshop on “Restructuring of M.Sc.II Chemistry Syllabus.”(CBCS-2020)                                | P.V.P.College, Pravaranagar. Tal-Rahata, Dist- Ahmednagar                | 27 <sup>th</sup> Nov. 2020                      |
| 36 | International Workshop     | “ Advances in Functional Materials”  | N.A.C. & S. College, Parner.   | 15 <sup>th</sup> . Dec. 2020                    |
| 37 | National Webinar           | National Webinar on “New Education policy”   | S.M. Joshi College, Pune-28  | 10 <sup>th</sup> Feb. 2021                      |
| 38 | Workshop                   | “Teachers training programme on Designing interactive virtual chemistry practical using power point” | BOS Chemistry S.P.P.U. Pune & Ramkrishna more ACS College, Akurdi, Pune. | 7 <sup>th</sup> . to 8 <sup>th</sup> . May 2021 |
| 39 | International Webinar      | “ Polymers & Current Scenario of Covid-19”   | H.V. Desai Arts, Science & Commerce College, Pune.                       | 22 <sup>nd</sup> May. 2021                      |
| 40 | National Webinar           | “ Features of Chem Draw and Greener Aspects of Drug Discovery”                                       | RNC Arts, JDB Commerce & NSC Science College, Nashik.                    | 23 <sup>rd</sup> July. 2021                     |
| 41 | International E-Conference | “ Innovative Research in Science & Technology”   | Kalikadevi A.C. & S. College, Shirur. Dist-Beed.                         | 25 <sup>th</sup> July. 2021                     |

### **10. Papers Presented:**

- 1. International Conference** on “Advances in Drug Discovery Research.” Organized by Dept. of Chemistry, Dr. B.A.M.U., Aurangabad, During 24-26 Feb. 2007.
- 2. National Seminar** on “Progressive Journey of Drug from Mind to Market.” held at P.V.P.College, Pravaranagar. Tal-Rahata, Dist-Ahmednagar on 18-20 Dec. 2008.
- 3. Regional Conference** PUNE UNIVERSITY College teachers INNOVATIONat K.T.H.M. College, Nashik on 24-25 Nov.2009.

4. **National Seminar** on “Recent trends in material science” held at N.A.C.&S.College, Parner, Dist Ahmednagar. on 21-22Feb 2010.
5. **National Conference** on “Research in chemical science.” held at Millia A.S.&M.S.College, Beed. on 1-2 Feb. 2011.
6. **National Conference** on “Sustainable Chemistry challenges & opportunities.” held at Dr. B.A.M.U. Sub-campus, Osmanabad. on 9-10 Jan . 2012.
7. **National Seminar** on “General applications of chemistry” at S.S.G.M.CollegeKopargaon. Dist- Ahmednagar on 11-13 Feb. 2012.
8. **National Seminar** on “Role of green chemistry in environmental pollution” at AnandraoDhonde Alias Bamji Arts, Comm. & Science college, Kada Tal- Asti, Dist-Beed. on 21-22 Dec. 2012.
9. **National Conference** on “Nanomaterials: Applications & properties” held at Arts, Comm. & Science college, Sonai, Dist- Ahmednagar on 22-23 Feb. 2013.
10. **National Seminar** on “Green approach in applied science” at Dada Patil Mahavidyalaya, Katjat. Dist- Ahmednagar. on 14-15 March- 2013.
11. **National Conference** on “Upcoming Trends in Chemical Sciences” at Shri Anand College, Pathardi, Dist- Ahmednagar during 6-7 September 2013.
12. **International Conference** on “Herbal & Synthetic Drug Studies [HSDS-2014].” Organized by Dept. of Chemistry, Abeda Inamdar Senior College of Arts, Science & Commerce, Pune. During 10-12 Feb. 2014.
13. **National Conference** on “Interdisciplinary approaches in Biochemical Sciences” at R.K.M.M. Ahmednagar. during 19-20 December 2014.
14. **National Conference** on “Recent developments in Chemical Sciences” at R.K.M.M. Ahmednagar. during 22-23 December 2015.
15. **National Conference** on “Recent trends in Chemical Sciences” at D.P.R.C. Adinathnagar. during 21-22 December 2017.

**(Dr. Narwade S.K.)**