

## FACULTY PROFILE



| <b>1.</b>   | <b>Name</b>                       | :                            | <b>Dr. Amit Rajaram Supale</b>  |                    |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
|---|-----------------------------------|------------------------------|---|--------------------|---------------|--------------------|------------|----------------|------------------------------|--------|------------------------------|------|-----------------------------|-------------------|--------|------------------------------|---------------------------------|---------------------------|----------|---------------------------------|------------------------------|------|-----------|----|--------|------------------------|------|---------|----|--------|------------------------|------|----|
| <b>2.</b>   | <b>Educational Qualifications</b> | :                            | M. Sc., Ph. D.  |                    |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
| <b>3.</b>   | <b>Designation</b>                | :                            | Assistant Professor   |                    |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
| <b>4.</b>   | <b>Address for Communication</b>  | ;                            | 'Kshitij', Plot No. 71, Satya Sai Nagar, Vishrambag, Sangli. 416415                                 |                    |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
| <b>5.</b>   | <b>E-mail Id</b>                  | :                            | <a href="mailto:amitsupale@gmail.com">amitsupale@gmail.com</a><br>amit.supale@bharativedyapeeth.edu |                    |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
| <b>6.</b>   | <b>Mobile No.</b>                 | :                            | ---   |                    |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
| <b>7.</b>   | <b>Experience</b>                 | :                            |   |                    |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
|   | a) Teaching - UG                  | :                            | 12 Years  |                    |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
|   | PG                                | :                            | 14 Years  |                    |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
|   | b) Research-                      | :                            | 15 Years  |                    |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
| <b>8.</b>   | <b>Details of Qualifications</b>  | :                            |   |                    |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Sr.</th> <th style="width: 15%;">Exam./ Degree</th> <th style="width: 40%;">Board / University</th> <th style="width: 10%;">Year</th> <th style="width: 30%;">Specialization</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td style="text-align: center;">Ph. D.</td> <td style="text-align: center;">Shivaji University, Kolhapur</td> <td style="text-align: center;">2010</td> <td style="text-align: center;">Chemistry</td> </tr> <tr> <td style="text-align: center;">2.</td> <td style="text-align: center;">M. Sc.</td> <td style="text-align: center;">Shivaji University, Kolhapur</td> <td style="text-align: center;">2006</td> <td style="text-align: center;">Physical Chemistry</td> </tr> <tr> <td style="text-align: center;">3.</td> <td style="text-align: center;">B. Sc.</td> <td style="text-align: center;">Shivaji University, Kolhapur</td> <td style="text-align: center;">2004</td> <td style="text-align: center;">Chemistry</td> </tr> <tr> <td style="text-align: center;">4.</td> <td style="text-align: center;">H.S.C.</td> <td style="text-align: center;">H.S.C. Board, Kolhapur</td> <td style="text-align: center;">2001</td> <td style="text-align: center;">Science</td> </tr> <tr> <td style="text-align: center;">5.</td> <td style="text-align: center;">S.S.C.</td> <td style="text-align: center;">S.S.C. Board, Kolhapur</td> <td style="text-align: center;">1999</td> <td style="text-align: center;">--</td> </tr> </tbody> </table> |                                   |                              |   | Sr.                | Exam./ Degree | Board / University | Year       | Specialization | 1.                           | Ph. D. | Shivaji University, Kolhapur | 2010 | Chemistry                   | 2.                | M. Sc. | Shivaji University, Kolhapur | 2006                            | Physical Chemistry        | 3.       | B. Sc.                          | Shivaji University, Kolhapur | 2004 | Chemistry | 4. | H.S.C. | H.S.C. Board, Kolhapur | 2001 | Science | 5. | S.S.C. | S.S.C. Board, Kolhapur | 1999 | -- |
| Sr.   | Exam./ Degree                     | Board / University           | Year  | Specialization     |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
| 1.  | Ph. D.                            | Shivaji University, Kolhapur | 2010  | Chemistry          |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
| 2.  | M. Sc.                            | Shivaji University, Kolhapur | 2006  | Physical Chemistry |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
| 3.  | B. Sc.                            | Shivaji University, Kolhapur | 2004  | Chemistry          |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
| 4.  | H.S.C.                            | H.S.C. Board, Kolhapur       | 2001  | Science            |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
| 5.  | S.S.C.                            | S.S.C. Board, Kolhapur       | 1999  | --                 |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
| <b>9.</b>   | <b>CAREER PROFILE</b>             | :                            |   |                    |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Sr.</th> <th style="width: 45%;">College</th> <th style="width: 25%;">Duration</th> <th style="width: 25%;">Experience</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">A]</td> <td colspan="3"><u>Under Graduate Level:</u></td> </tr> <tr> <td style="text-align: center;">i.</td> <td style="text-align: center;">Sanjaya Ghodawat Institutes</td> <td style="text-align: center;">May 2009-May 2010</td> <td style="text-align: center;">1 Year</td> </tr> <tr> <td style="text-align: center;">ii,</td> <td style="text-align: center;">Dr. P. K. Mahavidyalaya, Sangli</td> <td style="text-align: center;">August 2010- till present</td> <td style="text-align: center;">11 Years</td> </tr> <tr> <td colspan="3" style="text-align: center;">Total Teaching Experience (UG):</td> <td style="text-align: center;">12 Years</td> </tr> <tr> <td colspan="4" style="height: 20px;"> </td> </tr> <tr> <td colspan="4" style="height: 20px;"> </td> </tr> </tbody> </table>   |                                   |                              |   | Sr.                | College       | Duration           | Experience | A]             | <u>Under Graduate Level:</u> |        |                              | i.   | Sanjaya Ghodawat Institutes | May 2009-May 2010 | 1 Year | ii,                          | Dr. P. K. Mahavidyalaya, Sangli | August 2010- till present | 11 Years | Total Teaching Experience (UG): |                              |      | 12 Years  |    |        |                        |      |         |    |        |                        |      |    |
| Sr.   | College                           | Duration                     | Experience  |                    |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
| A]  | <u>Under Graduate Level:</u>      |                              |   |                    |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
| i.  | Sanjaya Ghodawat Institutes       | May 2009-May 2010            | 1 Year  |                    |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
| ii,   | Dr. P. K. Mahavidyalaya, Sangli   | August 2010- till present    | 11 Years  |                    |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
| Total Teaching Experience (UG):   |                                   |                              | 12 Years  |                    |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
|   |                                   |                              |   |                    |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |
|   |                                   |                              |   |                    |               |                    |            |                |                              |        |                              |      |                             |                   |        |                              |                                 |                           |          |                                 |                              |      |           |    |        |                        |      |         |    |        |                        |      |    |

| <b>B]</b>                       | <b>Post Graduate Level:</b>  |   |   |                     |         |     |                       |                   |                                   |                     |                |   |   |                  |   |    |  |  |                 |        |    |   |   |                  |        |
|---------------------------------|--|---|---|---------------------|---------|-----|-----------------------|-------------------|-----------------------------------|---------------------|----------------|---|---|------------------|---|----|--|--|-----------------|--------|----|---|---|------------------|--------|
| i.                              | Dept. of Chemistry, SUK  |   | Sept. 2006 to May 2009                    | 3 Years             |         |     |                       |                   |                                   |                     |                |   |   |                  |   |    |  |  |                 |        |    |   |   |                  |        |
| ii.                             | Jaysingpur College, Jaysingpur, Dr. P. K. mahavidyalaya, Sangli  |   | Aug. 2010 till present                    | 11 Years            |         |     |                       |                   |                                   |                     |                |   |   |                  |   |    |  |  |                 |        |    |   |   |                  |        |
| Total Teaching Experience (PG): |  |   |   | 14 Years            |         |     |                       |                   |                                   |                     |                |   |   |                  |   |    |  |  |                 |        |    |   |   |                  |        |
| <b>10.</b>                      | <b>RESEARCH CONTRIBUTION</b>   |   | :   |                     |         |     |                       |                   |                                   |                     |                |   |   |                  |   |    |  |  |                 |        |    |   |   |                  |        |
|                                 | <b>a)</b>  | <b>Research Guidance</b>  |   | :                   |         |     |                       |                   |                                   |                     |                |   |   |                  |   |    |  |  |                 |        |    |   |   |                  |        |
|                                 | <b>i.</b>  | <b>Supervision of Doctoral Theses (Awarded)</b>                       | :   | Nil                 |         |     |                       |                   |                                   |                     |                |   |   |                  |   |    |  |  |                 |        |    |   |   |                  |        |
|                                 | <b>ii.</b>   | <b>Supervision of Dissertations (Awarded)</b>                         | :   | Nil                 |         |     |                       |                   |                                   |                     |                |   |   |                  |   |    |  |  |                 |        |    |   |   |                  |        |
|                                 | <b>iii.</b>  | <b>Supervision of Doctoral Theses (Under Progress)</b>                | :   | Nil                 |         |     |                       |                   |                                   |                     |                |   |   |                  |   |    |  |  |                 |        |    |   |   |                  |        |
|                                 | <table border="1"> <thead> <tr> <th>Sr.</th> <th>Name of the Candidate</th> <th>Country</th> <th>University &amp; Date of Registration</th> <th>Title of the Thesis</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Ms. Pallavi Kadam</td> <td>India</td> <td>Shivaji University, Kolhapur<br/>Jan. 2020</td> <td>--</td> <td>Ongoing</td> </tr> </tbody> </table>  |   |   |                     |         | Sr. | Name of the Candidate | Country           | University & Date of Registration | Title of the Thesis | Status         | 1.  | Ms. Pallavi Kadam                       | India            | Shivaji University, Kolhapur<br>Jan. 2020 | -- | Ongoing  |  |                 |        |    |   |   |                  |        |
| Sr.                             | Name of the Candidate  | Country   | University & Date of Registration         | Title of the Thesis | Status  |     |                       |                   |                                   |                     |                |   |   |                  |   |    |  |  |                 |        |    |   |   |                  |        |
| 1.                              | Ms. Pallavi Kadam  | India   | Shivaji University, Kolhapur<br>Jan. 2020 | --                  | Ongoing |     |                       |                   |                                   |                     |                |   |   |                  |   |    |  |  |                 |        |    |   |   |                  |        |
|                                 | <b>iv.</b>   | <b>Contribution as an External Referee for Ph. D. Theses</b>          | :   | Nil                 |         |     |                       |                   |                                   |                     |                |   |   |                  |   |    |  |  |                 |        |    |   |   |                  |        |
|                                 | <b>v.</b>  | <b>Contribution as an External Referee for M. Phil. Dissertations</b> | :   |                     |         |     |                       |                   |                                   |                     |                |   |   |                  |   |    |  |  |                 |        |    |   |   |                  |        |
|                                 | <table border="1"> <thead> <tr> <th>Sr.</th> <th>Name of the Candidate</th> <th>University</th> <th>Date/Year</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Vidya S. Nikam</td> <td>Shivaji University, Kolhapur</td> <td>01/09/2018</td> </tr> </tbody> </table>   |   |   |                     |         | Sr. | Name of the Candidate | University        | Date/Year                         | 1.                  | Vidya S. Nikam | Shivaji University, Kolhapur  | 01/09/2018                              |                  |   |    |  |  |                 |        |    |   |   |                  |        |
| Sr.                             | Name of the Candidate  | University  | Date/Year                                 |                     |         |     |                       |                   |                                   |                     |                |   |   |                  |   |    |  |  |                 |        |    |   |   |                  |        |
| 1.                              | Vidya S. Nikam   | Shivaji University, Kolhapur  | 01/09/2018                                |                     |         |     |                       |                   |                                   |                     |                |   |   |                  |   |    |  |  |                 |        |    |   |   |                  |        |
|                                 | <b>b)</b>  | <b>Research Papers Published</b>                                      |   | :                   |         |     |                       |                   |                                   |                     |                |   |   |                  |   |    |  |  |                 |        |    |   |   |                  |        |
|                                 | <table border="1"> <thead> <tr> <th>Sr.</th> <th>Title of the Paper</th> <th>Journal, ISSN&amp; IF</th> <th>Vol. No., Year, Page No.</th> <th>Author/ Co-author</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Oxidation of thiols to disulfides using H<sub>2</sub>O<sub>2</sub> catalyzed by recyclable chromic potassium sulphate at room temperature.</td> <td>Reaction Kinetics and Catalysis Letters</td> <td>93(1) (2008) 141</td> <td>Author</td> </tr> <tr> <td>2.</td> <td>Chromium (III) catalyzed selective oxidation of sulfides to sulfoxides using 30% H<sub>2</sub>O<sub>2</sub></td> <td>Catalysis Letters<br/>Impact Factor-2.307</td> <td>124 (2008) 284.</td> <td>Author</td> </tr> <tr> <td>3.</td> <td>12-tungstocobaltate(II) catalyzed selective oxidation of sulfides to sulfoxides using aqueous</td> <td>Reaction Kinetics and Catalysis Letters</td> <td>96(1) (2009) 83.</td> <td>Author</td> </tr> </tbody> </table> |   |   |                     |         | Sr. | Title of the Paper    | Journal, ISSN& IF | Vol. No., Year, Page No.          | Author/ Co-author   | 1.             | Oxidation of thiols to disulfides using H <sub>2</sub> O <sub>2</sub> catalyzed by recyclable chromic potassium sulphate at room temperature. | Reaction Kinetics and Catalysis Letters | 93(1) (2008) 141 | Author                                    | 2. | Chromium (III) catalyzed selective oxidation of sulfides to sulfoxides using 30% H <sub>2</sub> O <sub>2</sub> | Catalysis Letters<br>Impact Factor-2.307 | 124 (2008) 284. | Author | 3. | 12-tungstocobaltate(II) catalyzed selective oxidation of sulfides to sulfoxides using aqueous | Reaction Kinetics and Catalysis Letters | 96(1) (2009) 83. | Author |
| Sr.                             | Title of the Paper   | Journal, ISSN& IF   | Vol. No., Year, Page No.                  | Author/ Co-author   |         |     |                       |                   |                                   |                     |                |   |   |                  |   |    |  |  |                 |        |    |   |   |                  |        |
| 1.                              | Oxidation of thiols to disulfides using H <sub>2</sub> O <sub>2</sub> catalyzed by recyclable chromic potassium sulphate at room temperature.  | Reaction Kinetics and Catalysis Letters                               | 93(1) (2008) 141                          | Author              |         |     |                       |                   |                                   |                     |                |   |   |                  |   |    |  |  |                 |        |    |   |   |                  |        |
| 2.                              | Chromium (III) catalyzed selective oxidation of sulfides to sulfoxides using 30% H <sub>2</sub> O <sub>2</sub>   | Catalysis Letters<br>Impact Factor-2.307                              | 124 (2008) 284.                           | Author              |         |     |                       |                   |                                   |                     |                |   |   |                  |   |    |  |  |                 |        |    |   |   |                  |        |
| 3.                              | 12-tungstocobaltate(II) catalyzed selective oxidation of sulfides to sulfoxides using aqueous  | Reaction Kinetics and Catalysis Letters                               | 96(1) (2009) 83.                          | Author              |         |     |                       |                   |                                   |                     |                |   |   |                  |   |    |  |  |                 |        |    |   |   |                  |        |

|     |   |   |                                   |            |
|-----|---|---|-----------------------------------|------------|
|     | hydrogen peroxide under solvent free conditions.  | Impact Factor-0.983   |                                   |            |
| 4.  | Waugh Type Enneamolybdomanganate (IV) Catalyzed Synthesis of Polyhydrquinoline through Hantzsch Multi-Component Condensation.                             | The Open Catalysis Journal                                  | 2 (2009) 61-65.                   | Author     |
| 5.  | Selective oxidation of sulfides to sulfones using H <sub>2</sub> O <sub>2</sub> and Anderson type hexamolybdochromate(III) as catalyst.                   | Phosphorous, Sulfur, and Silicon and the Related Elements   | 185(4) (2010) 725-731.            | Author     |
| 6.  | Kinetics and mechanism of oxidation of benzoic acid hydrazide by bromate catalyzed by Anderson type hexamolybdochromate(III) in aqueous acidic medium.    | Zeitschrift für Physikalische Chemie<br>Impact Factor-1.356 | 222 (2008) 635.                   | Co- Author |
| 7.  | Kinetics and mechanism of oxidation of benzoic acid hydrazide by bromate catalyzed by octamolybdomanganate (II).  | Transition Metal Chemistry<br>Impact Factor-1.402           | 33 (2008) 989.                    | Co-Author  |
| 8.  | Kinetic and mechanistic study of oxidation of L-Methionine by Waugh-type enneamolybdomanganate(IV) in perchloric acid.                                    | Amino Acids<br>Impact Factor-3.4                            | 38 (3) (2010) 789-795.            | Co-Author  |
| 9.  | An environmentally benign solvent free synthesis of amidoalkyl naphthols using H <sub>4</sub> SiW <sub>12</sub> O <sub>40</sub> as a recyclable catalyst. | Journal of Chemical Sciences                                | 122 (2) (2010) 189-192.           | Author     |
| 10. | Preyssler type heteropoly acid-incorporated sodium alginate hybrid composite membranes for pervaporation dehydration of ethanol.                          | Chemical Engineering Journal                                | 159 (1-3) (2010) 75-83.           | Co-Author  |
| 11. | Multivariate statistical analysis of soil parameters to establish baseline level around proposed Jaitapur Nuclear Power Plant (JNPP), Maharashtra, India  | Int J Environ Sci Nat Res                                   | 1(2): IJESNR.MS.ID.555 557 (2016) | Co-Author  |
| 12. | Synthesis of  | International   | 7(4) (2019) 258-                  | Author     |

|     |   |  |   |           |
|-----|---|--|---|-----------|
|     | polyhydroquinolines catalyzed by Ni substituted HPA   | Journal of Innovative Knowledge Concepts,<br>ISSN : 2454-2415              | 259   |           |
| 13. | Oxidation reaction catalyzed by Anderson type polyoxometalate catalyst'   | International Journal of Research and Analytical Reviews<br>ISSN 2349-5138 | Spl. Issue. (Jan. 2019) 287-289.  | Author    |
| 14. | Magneto-structural and induction heating properties of MFe <sub>2</sub> O <sub>4</sub> (M = Co, Mn, Zn) MNPs for magnetic particle hyperthermia application | SN Applied Sciences<br>Electronic ISSN 2523-3971                           | 2(2020) 2017<br><a href="https://doi.org/10.1007/s42452-020-03865-x">https://doi.org/10.1007/s42452-020-03865-x</a> | Co-Author |

**c) Books/Souvenirs Edited** :

| Sr. | Title of the Book/Souvenir/Proceedings                | ISBN                                       | Name of the Publisher   | Contribution            | Year |
|-----|---|--|---|-------------------------|------|
| 1.  | Souvenir-RTPAS-2021                                   | --   | Dr. Patangrao Kadam Mahavidyalaya, Sangli                                 | Editor                  | 2021 |
| 2.  | Souvenir-RTPAS-2020                                   | --   | Dr. Patangrao Kadam Mahavidyalaya, Sangli                                 | Editor                  | 2020 |
| 3.  | Souvenir-RTPAS-2019                                   | --   | Dr. Patangrao Kadam Mahavidyalaya, Sangli                                 | Editor                  | 2019 |
| 4.  | Problems and prospects of agriculture labour in India | ISSN 2320-8341 (ONLINE), 2320-6446 (PRINT) | RESEARCH FRONT-AN INTERNATIONAL MULTIDISCIPLINARY JOURNAL'- Special Issue | Member, Editorial Board | 2017 |
| 5.  | Changing Trends in Library and Information Sciences   | 978-81-924895-1-3                          | Dr. Patangrao Kadam Mahavidyalaya, Sangli                                 | Member, Editorial Board | 2015 |
| 6.  | Inspire Vidnyanbharati                                | 978-81-925021-2-0.                         | Dr. Patangrao Kadam Mahavidyalaya,  | Editor                  | 2014 |

|                                       |  |  |   |                      |      |
|---------------------------------------|--|--|---|----------------------|------|
|                                       |  |  | 7.Sangli                                  |                      |      |
| 7.                                    | Chemistry and its Role in Human Development  | 978-81-925021-0-6.   | Dr. Patangrao Kadam Mahavidyalaya, Sangli | Co-Editor            | 2013 |
| <b>d) Books Published</b> :           |  |  |   |                      |      |
| Sr.                                   | Title of the Book  | ISBN   | Name of the Publisher                     | Year                 |      |
| 1.                                    | Textbook of Physical Chemistry B. Sc. III, Sem. VI   | 978-93-90456-24-4  | Phadake Prakashan, Kolhapur               | 2020                 |      |
| 2.                                    | Textbook of Physical Chemistry B. Sc. III, Sem. V  | 978-93-89435-84-9  | Phadake Prakashan, Kolhapur               | 2020                 |      |
| 3.                                    | Textbook of Physical Chemistry B. Sc. II, Sem. III   | 978-81-941678-1-5  | Phadake Prakashan, Kolhapur               | 2019                 |      |
| 4.                                    | Textbook of Physical Chemistry B. Sc. I, Sem. II   | 978-93-86703-66-8  | Phadake Prakashan, Kolhapur               | 2018                 |      |
| <b>e) Research Projects</b> :         |  |  |   |                      |      |
| Sr.                                   | Title of the Project   | Major/Minor  | Funding Agency                            | Duration             |      |
| 1.                                    | Green approach in organic transformation using polyoxometalates as catalyst                | Minor  | UGC                                       | March 2012-Feb. 2014 |      |
| <b>f) Research Papers Presented</b> : |  |  |   |                      |      |
| Sr.                                   | Title of the Paper   | Name of the Conference   | Date                                      | Status               |      |
| 1.                                    | Synthesis of Coumarine Derivatives Catalyzed by Ni- Substituted HPA                        | RTPAS-2021   | 08/03/2021                                | National             |      |
| 2.                                    | Carambola Fruit and Calotropis Gigantea Latex Mediated Cu-NPs for Antibacterial Activities | RTPAS-2020   | 11/01/2020                                | National             |      |
| 3.                                    | Synthesis of Polyhydroquinoline by using Heterogeneous Catalyst                            | RTPAS 2019   | 23/03/2019                                | National             |      |
| 4.                                    | Use of ICT in effective teaching and Learning Process                                      | Multidisciplinary International Conference on 'World Sustainable Development: Vision 2030' | 19/03/2019                                | International        |      |
| 5.                                    | An efficient Catalysed Synthesis of Substituted Coumarines Using HPA Catalyst              | One day National conference on Science and Technology for Sustainable Development          | 20/01/2019                                | National             |      |
| 6.                                    | Oxidation Reaction Catalyzed by Anderson type Polyoxometalate Catalyst                     | ICAPAS-2019  | 05-06/01/2019                             | International        |      |
| 7.                                    | Heteropoly acid catalyzed synthesis of amodoalkyl naphthols                                | International Conference on Advances in Material Science                                   | 07-08/12/2016.                            | International        |      |
| 8.                                    | Anderson type hexamolybdochromate catalysed Synthesis of Aryl -14H-dibenzo                 | Application of Chemical and Material Science for   | 20/02/2016                                | National             |      |

|     |  |  |                      |               |
|-----|--|--|----------------------|---------------|
|     | [a,j] xanthenes  | Sustainable Development                                    |                      |               |
| 9.  | Heteropoly acid catalysed Synthesis of 1-amidoalkyl-2-naphthols via Ritter Type Reaction   | Emerging Trends in Chemistry through Green Approach        | 01/10/2013           | State         |
| 10. | Oxidation of Oxalic Dihydrazide by Bromate in aqueous Hydrochloric Acid Medium: A Kinetic Study  | Current research in chemical sciences                      | 22-23/01/2013        | National      |
| 11. | Kinetics and Mechanism of Oxidation of Propanediol by Enneamolybdomanganate(IV)  | Emerging trends in chemical sciences                       | 02/11/12 to 04/11/12 | International |
| 12. | Waugh type enneamolybdomanganate(IV) catalyzed synthesis of amidoalkyl naphthols   | Chemistry and its role in human development                | 26/03/2012           | National      |
| 13. | Octamolybdomanganate(II) catalysed Selective Oxidation of Sulfides to Sulfones using Hydrogen Peroxide as an Oxidant                     | Recent advances in synthetic chemistry and nanomaterials   | 21-22/01/2012        | National      |
| 14. | Anderson type hexamolybdochromate (III) catalyzed oxidation of sulfides to sulfones by hydrogen peroxide                                 | International conference on advanced materials (ICAM-2008) | 18-21/02/2008        | International |
| 15. | Oxidation of thiols to disulfide catalyzed by chromic (III) potassium sulphate by 30% H <sub>2</sub> O <sub>2</sub> at room temperature. | Synthesis of new materials for industrial applications     | 01-02/02/2008        | National      |

**11. PARTICIPATION IN KNOWLEDGE EVENTS**

**a) International Conferences/ Seminars**

| Sr. | Theme of the Conference  | Organiser                    | Date(s)       |
|-----|--|------------------------------|---------------|
| 1.  | Nanomaterials And Its Applications   | Shivaji University, Kolhapur | 9-11/12/2008  |
| 2.  | Workshop on Frontiers in Physics and Chemistry: Vision to 21 <sup>st</sup> Century: Bilateral Summit | Shivaji University, Kolhapur | 08-10/01/2007 |

**b) National Conferences/Seminars**

| Sr. | Theme of the Conference  | Organiser  | Date(s)       |
|-----|--|--|---------------|
| 1.  | National Seminar on 'Revised Accreditation Framework of NAAC'                    | Shivaji University, Kolhapur                                 | 21/02/2019    |
| 2.  | Recent Trends In Interdisciplinary Research In Material Sciences (Ncrtirms-2014) | Annasaheb Dange College of Engineering and Technology, Ashta | 26-27/12/2014 |
| 3.  | Advances In Synthetic Methodologies And New Materials                            | Shivaji University, Kolhapur                                 | 21-22/01/2011 |
| 4.  | 'Advanced Synthetic Methodologies and Fuctional Materials-2009'                  | Shivaji University, Kolhapur                                 | 23-24/12/2009 |

|            |   |  |                          |            |
|------------|---|--|--------------------------|------------|
|            | <b>c)</b>   | <b>Other (State/University) Conferences/Seminars</b>                             | :                        |            |
| Sr.        | Theme of the Conference/Workshop                                  | Organiser  | Date(s)                  |            |
| 1.         | Chemistry in our life   | Jaysingpur College, Jaysingpur   | 21/12/2011               |            |
| 2.         | Microanalysis in Chemistry  | M.B.S.K. Kanya Mahavidyalaya, Kadegaon   | 01-02/02/2013            |            |
| 3.         | Campaign on University Research and Training-2006                 | Shivaji University, Kolhapur   | 06-07/10/2006            |            |
| 4.         | One day Workshop on 'Avishkar-Orientation Programme'              | Dr. Paatangrao Kadam Mahavidyalaya, Sangli                                       | 02/09/2016               |            |
| <b>12.</b> | <b>WEBINARS ATTENDED</b>  | :  |                          |            |
|            | <b>a)</b>   | <b>International Webinars Attended</b>   | :                        | <i>Nil</i> |
| Sr.        | Theme of the Webinar  | Organiser  | Date(s)                  |            |
|            | --  | --   | --                       |            |
|            | <b>b)</b>   | <b>National Webinars Attended</b>  | :                        | 46         |
| Sr.        | Theme of the Webinar  | Organiser  | Date(s)                  |            |
|            |   |  |                          |            |
|            | <b>c)</b>   | <b>Other Webinars Attended</b>   | :                        | Nil        |
| Sr.        | Theme of the Webinar  | Organiser  | Date(s)                  |            |
| -          | --  | --   | --                       |            |
| <b>13.</b> | <b>ORIENTATION/REFRESHER/FDP COURSES</b>                          | :  |                          |            |
| Sr.        | Name of the Course  | Name of the Universit/ASC  | Duration                 |            |
| 1.         | Multimedia enriched e-Content Development                         | Guru Angad Dev Teaching Learning Centre SGTB Khalsa College, University of Delhi | 21-26/05/2020            |            |
| 2.         | Managing Online Classes and Co-Creating MOOCs                     | Ramanujan College, New Delhi (Online Mode)                                       | 20/04-06/05/2020         |            |
| 3.         | Moodle-Learning Management System                                 | Vivekananda College, Kolhapur with Spoken Tutorial, IIT Mumbai                   | 25-30/04/2020            |            |
| 4.         | Online Refresher course in Chemistry for Higher Education Faculty | SWAYAM (Sri Guru Tegh Bahadur Khalsa College, Delhi)                             | 01/11/2018 to 28/02/2019 |            |
| 5.         | Recent Trends in Teaching-Learning Technologies                   | ASC, Pune organized at Dept. of Education, SUK                                   | 08-28/12/2018            |            |

|    |  |  |                  |
|----|--|--|------------------|
| 6. | Refresher Course in Chemistry                            | Academic Staff College, University of Kerala, Karaivattom, Trivandrum                                    | 26/02-18/03/2015 |
| 7. | Winter School in Chemistry                               | ASC, Pune organized at Dept. of Chemistry, SUK   | 11/11-01/12/2013 |
| 8. | Frontiers in Material Sciences 2012                      | JNCASR, Bangalore jointly organized with University of Cambridge during                                  | 3-8/12/2012.     |
| 9. | Orientation programme for research scholars in catalysis | National Centre for Catalysis Research, Department of Chemistry, Indian Institute of Technology, Chennai | 17/11-7/12/2006. |

**14. ADMINISTRATIVE/ACADEMIC ASSIGNMENTS**

:

| Sr. | Position                                      | Institution                      | Duration              |
|-----|---|----------------------------------|-----------------------|
| 1.  | Member-Standing Committee (College Level)     | Shivaji University, Kolhapur     | 2019-2024             |
| 2.  | BoS-Sub-Committee Member-Chemistry (B.Sc.I)   | Shivaji University, Kolhapur     | 2020-21               |
| 3.  | BoS-Sub-Committee Member-Chemistry (B.Sc.III) | Shivaji University, Kolhapur     | 2019-20               |
| 4.  | Director-CAP(QA)-BSc.III                      | Dr. Patangrao Kadam Maha. Sangli | 19/04/2019-29/05/2019 |
| 5.  | Coordinator- IQAC                             | Dr. Patangrao Kadam Maha. Sangli | 2018 onwards          |
| 6.  | Coordinator-DST-FIST                          | Dr. Patangrao Kadam Maha. Sangli | 2018 onwards          |
| 7.  | Nodal Officer-Community College               | Dr. Patangrao Kadam Maha. Sangli | 2018 onwards          |
| 8.  | Member-CDC                                    | Dr. Patangrao Kadam Maha. Sangli | 2017-2022             |
| 9.  | BoS-Sub-Committee Member-Chemistry(M.Sc. I.)  | Shivaji University, Kolhapur     | 2017-18               |
| 10. | Nodal Officer-NIRF                            | Dr. Patangrao Kadam Maha. Sangli | 2016 onwards          |
| 11. | Coordinator-M. Sc. Analytical Chemistry       | Dr. Patangrao Kadam Maha. Sangli | 2012 onwards          |
| 12. | Head, Science Wing                            | Sanjay Ghodawat Institutions     | Sept. 2009-Jan. 2010  |

**15. INVITED LECTURES/KEYNOTE ADDRESSES/SESSION CHAIRS**

:

| Sr. | Invited as      | Conference /Event  | Organisation                  | Date(s)    |
|-----|-----------------|--|-------------------------------|------------|
| 1.  | Resource Person | one day workshop on new syllabus of B.Sc. III, Physical Chemistry theory paper XI & XV | L. B. S. College, Satara      | 17/02/2021 |
| 2.  | Resource Person | Faculty Training Program   | Dr. P. K. Mahavidyala, Sangli | 21/09/2020 |
| 3.  | Resource Person | Online workshop on "Revised Accreditation  | R. R. College, Jath           | 13/06/2020 |



|     |                 |   |   |            |
|-----|-----------------|---|---|------------|
|     |                 | Framework of NAAC and Career Advancement Scheme in HEI”   |   |            |
| 4.  | Resource Person | Webinar on 'E-Content Development'  | Dr. P. K. Mahavidyala, Sangli                   | 13/05/2020 |
| 5.  | Resource Person | Webinar on Use of ICT In Effective Teaching And Learning Process                                | Dr. P. K. Mahavidyala, Sangli                   | 27/04/2020 |
| 6.  | Resource Person | Online submission of AQAR   | R. R. College, Jath                             | 11/12/2019 |
| 7.  | Resource Person | Role of IQAC on Quality Sustence and Preparation of Documents for SSR Report and AQAR           | Shri. L. K Khot College of Commerce, Sankeshwar | 21/09/2019 |
| 8.  | Resource Person | Teachers Training Workshop on New Changed Syllabus of M. Sc. II in Analytical Chemistry Subject | Dr. P. K. Mahavidyala, Sangli                   | 03/09/2019 |
| 9.  | Resource Person | One day National Workshop on New Spirit of Assessment and Accreditation Process                 | Jaysingpur College, Jaysingpur                  | 20/07/2019 |
| 10. | Resource Person | Teachers Training workshop on use of ICT in Higher Education                                    | S. B. S. M., Miraj                              | 01/03/2019 |
| 11. | Resource Person | NAAC as per Revised guidelines at Gogate-Jogalekar College                                      | Gogate-Jogalekar College, Ratnagiri             | 08/09/2018 |
| 12. | Resource Person | Third cycle of NAAC Reaccreditation   | Dr. Ghali College, Gadhinglaj                   | 30/08/2018 |
| 13. | Chairperson     | One day workshop on Revised Syllabus of M. Sc. I in Analytical Chemistry (Theory and Practical) | Jaysingpur College, Jaysingpur                  | 16/08/2018 |
| 14. | Resource Person | Revised syllabus of M.Sc. I in Physical Chemistry   | Dr. P. K. Mahavidyala, Sangli                   | 13/08/2018 |
| 15. | Chairperson     | Life Skills Development   | Dr. P. K. Mahavidyala, Sangli                   | 16/02/2013 |

**16. ASSOCIATION WITH PROFESSIONAL BODIES**

:

| Sr. | Position    | Name of the Professional Body       |
|-----|-------------|-------------------------------------|
| 1.  | Life Member | Indian Science Congress Association |

**17. KNOWLEDGE EVENTS ORGANISED**

:

| Sr. | Title of the Event                              | Level    | Date(s)       | Position    |
|-----|---|----------|---------------|-------------|
| 1.  | Recent Trends in Pure and Applied Sciences 2021 | National | 13/03/2021    | Coordinator |
| 2.  | Faculty Training Program                        | College  | 21-25/09/2020 | Coordinator |
| 3.  | National Webinar on New Education Policy 2020   | National | 07/09/2020    | Coordinator |

|     |   |            |                     |             |
|-----|---|------------|---------------------|-------------|
| 4.  | National Webinar on 'TO BE FRIENDLY WITH CORONA- A NEED OF TIME'                                | National   | 23/06/2020          | Coordinator |
| 5.  | National Level Webinar on 'Lockdown : Healthy Solution for Boredom'                             | National   | 21/06/2020          | Coordinator |
| 6.  | Webinar on 'Covid-19 Pandemic and Mental Health'  | National   | 13/06/2020          | Coordinator |
| 7.  | One Day Workshop on 'NAAC- Revised Accreditation Framework' For Colleges of Sangli Districts    | District   | 02/06/2020          | Coordinator |
| 8.  | Webinar on 'Empowering Teachers with Moodle LMS'  | National   | 20/05/2020          | Coordinator |
| 9.  | Webinar on 'E-Content Development'  | University | 13/05/2020          | Coordinator |
| 10. | Webinar on Use of ICT in Effective Teaching and Learning Process                                | College    | 27/04/2020          | Coordinator |
| 11. | Recent Trends in Pure and Applied Sciences 2020   | National   | 11/01/2020          | Coordinator |
| 12. | Faculty Development Programme in Data Sciences  | National   | 24-30/12/2019       | Coordinator |
| 13. | Teachers Training Workshop on Changed Syllabus of M. Sc. II in Analytical Chemistry             | University | 03/09/2019          | Coordinator |
| 14. | Use of ICT in Effective Teaching and Learning Process   | National   | 23/08/2019          | Convener    |
| 15. | Recent Trends in Pure and Applied Sciences 2019   | National   | 23/03/2019          | Convener    |
| 16. | Workshop on Intellectual Property Rights  | College    | 28/02/2019          | Coordinator |
| 17. | Workshop in Chemistry for NET and SET Examination Preparation                                   | College    | 15/02/2019          | Coordinator |
| 18. | Faculty Development Programme in Cyber Security   | National   | 30/01 to 05/02/2019 | Coordinator |
| 19. | Workshop on Revised Syllabus of M. Sc. I in Physical Chemistry                                  | University | 13/08/2018          | Coordinator |
| 20. | Introductory workshop on Basics of Intellectual Property Rights                                 | College    | 08/12/2017          | Coordinator |
| 21. | Workshop on Revised Syllabus of B. Sc. III in Physical Chemistry Subject, Paper No. IX and XIII | University | 20/08/2015          | Coordinator |
| 22. | National Workshop in Chemistry for NET & SET Examination Preparation                            | National   | 07/02/2015          | Coordinator |
| 23. | National Seminar on Chemistry and its Role in Human Development                                 | National   | 26/03/2012          | Coordinator |

|            |                          |           |            |        |   |                |
|------------|--------------------------|-----------|------------|--------|---|----------------|
| <b>18.</b> | <b>ACADEMIC ODYSSEY</b>  | :         |            |        |   |                |
| <b>a)</b>  | <b>Foreign Countries</b> | :         | <b>Nil</b> |        |   |                |
| <b>b)</b>  | <b>India</b>             | :         |            |        |   |                |
|            | 1                        | Tamilnadu | 2          | Kerala | 3 | Andhra Pradesh |
|            | 4                        | Karnataka | 5          | Goa    | 6 | Orissa         |
|            | 7                        | Delhi     |            |        |   |                |

| <b>19.</b> | <b>CONTRIBUTION AS AN EXPERT</b>   | :                              |                        |               |         |    |   |                                |                        |    |   |                              |            |  |  |
|------------|--|--------------------------------|------------------------|---------------|---------|----|---|--------------------------------|------------------------|----|---|------------------------------|------------|--|--|
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| Sr.        | Position   | Organisation                   | Date(s)                |               |         |    |   |                                |                        |    |   |                              |            |  |  |
| 1.         | Peer Team Member AAA   | Jaysingpur College, Jaysingpur | 03/02/2020             |               |         |    |   |                                |                        |    |   |                              |            |  |  |
| 2.         | Peer Team Member (AAA)   | Ghali College, Gadhinglaj      | 30/08/2018             |               |         |    |   |                                |                        |    |   |                              |            |  |  |
| <b>20.</b> | <b>AWARDS AND HONOURS</b>  | :                              |                        |               |         |    |   |                                |                        |    |   |                              |            |  |  |
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| Sr.        | Title of the Award   | Instituted by                  | Date                   |               |         |    |   |                                |                        |    |   |                              |            |  |  |
| 1.         | 'RESEARCH FELLOWSHIP FOR MERITORIOUS STUDENTS  | UGC, New Delhi                 | March 2008 to May 2009 |               |         |    |   |                                |                        |    |   |                              |            |  |  |
| 2.         | Late Dr. Vijaykumar Sadashiv Galadgar-Kulkarni Prize for securing highest number of marks in the subject of PHYSICAL CHEMISTRY (M.Sc. Course)  | Shivaji University, Kolhapur   | 2006                   |               |         |    |   |                                |                        |    |   |                              |            |  |  |