

Dr. Sandip R. Sabale



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Google Scholar link: https://scholar.google.co.in/citations?user=s_bTTe0AAAAJ

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Scopus: <https://www.scopus.com/authid/detail.uri?authorId=16320013000>

Educational Qualifications:

Post Doctorate:

1. Pacific Northwest National Laboratory (PNNL), Richland, WA 99352, USA (2015-16) as UGC Raman Fellowship (3.09.2016 to 3.09.2017)
2. School of Life Sciences, Shanghai University, Shanghai, China. 2014

Doctor of Philosophy (Chemistry):

Department of Chemistry, Shivaji University, Vidyanagar, Kolhapur -416004, Maharashtra.

Title of thesis: Sorption studies of some elements using poly (dibenzo-18-crown-6) and column chromatography. Awarded (28.12.2009)

Master of Science (Analytical Chemistry):

Department of Chemistry, Shivaji University, Vidyanagar, Kolhapur -416004 Maharashtra (INDIA). May-2006, First class with dist. (**70.9%**)

Bachelor of Science in Chemistry:

Devchand College, Arjunanagar, Tal-Kagal, Maharashtra (INDIA). First class with dist. (**70.6%**)

Honors and Awards:

- Departmental Research Fellowship of Shivaji University, Kolhapur (2007).
- Junior Research Fellowship (UGC meritorious scholarship) 2008.
- N.C.C. 'B' and 'C' Certificates with B grade
- Research Associate (BARC) at D.Y. Patil University-2009
- Post Doctoral Fellow, School of Life Sciences, Shanghai University, Shanghai, China.

- Distinguish Researcher, Vishwashanti Multipurpose Society at 2nd International Conference on Science and Technology for Society, May 19-21, Colombo, Srilanka.
- RAMAN Postdoctoral Research Award to work in USA for the year 2015-16, UGC, New-Delhi.

Research Projects:

No.	Name	Title of the Project	Funding Agency	Date of starting	Amount sanctioned
1	S.R. Sabale & B. V. Tamhankar	Environmental assessment to establish baseline level of soil and water.....	47-1750/10 (WRO) Pune, 2 nd May 2011	Completed	80,000/-
3	B. V. Tamhankar & S.R. Sabale	Oxidative transformations by some oxidising agents	WRO Pune (No.F.47-2074/11 dt 21 st March 2012	Completed	1,80,000/-
4	G.H. Nikam & S.R. Sabale	Development of analytical method for extractive separation of some metals using cyanex and crown ethers	WRO Pune (47-2051/11 dated 21/03/2012)	Completed	1,60,000/-
5.	S.R. Sabale	Effect of third component on water-alcohol mixtures using density, compressibility and phase separation data to develop phase diagram	UGC-New Delhi (F. No. 43-219/2014 (SR) dated 18 th August 2015)	Ongoing	14,69,600/-

Research papers:

1. Dilip Dagade, Rajendra Kumbhar, **Sandip Sabale**, Kesharsing Patil, Construction of phase diagram of Na₂S₂O₃+Water+Ethanol at ambient pressure and temperature, J. Fluid Phase Equilibria, 225, 2007, 110.(ISSN: 0378-3812) (I.F. 2.288)
2. **Sandip Sabale**, Vikas Jadhav, Deepali Jadhav, B. S. Mohite, K. J. Patil, Lake contamination by accumulation of heavy metal ions in Eichhornia Crassipes: A case study of Rankala Lake, J. Environ. Sci. and Engin. 52(2), 2010, 155-165. (ISSN: 0367-827 X)
3. **Sandip Sabale** and Baburao Mohite, Chromatographic separation of cerium(III) from uranium(VI) and thorium(IV) in L-valine using poly[dibenzo-18-crown-6], Chinese Journal of Chromatography, 27(2), 2009, 224-228. (ISSN: 1000-8713) (I.F. 1.382)

4. **Sandip Sabale**, Sameer Tamboli, Baburao Mohite, Sorption and separation studies of thorium(IV) in L-valine medium using poly[dibenzo-18-crown-6], *J. Indian Chemical Society*, 8, 2010, 385-389.(ISSN 0019-4522)(IF 0.28)
5. **S. R. Sabale** and B. S. Mohite, Chromatographic Separation of Uranium (VI) From Other Elements by Using L-valine and Poly[dibenzo-18-crown-6], *J. Anal. Chem.*, 65(8), 2010, 809-813.(ISSN 1061-9348)(IF:0.616)
6. **Sandip R. Sabale** and Baburao S. Mohite, Chromatographic separation of Be(II) from Mg(II), Ca(II), Sr(II) and Ba(II) using poly[dibenzo-18-crown-6] and L-arginine, *J. Chem. & Chem. Engin.*,3(6) 2009, 37-43.(ISSN: 1934-7375)
7. **Sandip Sabale** and B. S. Mohite, Sorption Study of U(VI), Th(IV) and Ce(III) on Poly[dibenzo-18-crown-6] in L-arginine to Develop Sequential Column Chromatographic Separation Method, *J. Radioanal. Nucl. Chem.*, 284, 2010, 273-278.(ISSN: 1588-2780) (IF:1.467)
8. Deepali V. Jadhav, **Sandip R. Sabale** and B. S. Mohite, Sorption and Separation Study of Pb(II) using Poly[dibenzo-18-crown-6] in L-arginine, *J. Indian Council of Chemists* 27,(2) 1-2 2010. (ISSN: 0971-5037) (IF:0.2)
9. **Sandip Sabale**, Deepali Jadhav and B. S. Mohite, Lanthanum(III) Sorption Studies on Poly[dibenzo-18-crown-6] and its Separation from Uranium(VI) and Thorium(IV) in L-valine Medium, *Journal of Rare earths*, 27(5) 2009, 825-829. (ISSN: 1002-0721)(IF:1.363)
10. **Sandip Sabale**, Deepali Jadhav and Baburao Mohite, La(III) Sorption Studies on Poly[dibenzo-18-crown-6] for the Sequential Separation of La(III), Th(IV) and U(VI) in L-arginine, *Res. J. Chem. & Environ.* 13(4) Dec. 2009, 34-40.(ISSN: 0972-0626)(IF. 0.64)
11. Deepali Jadhav, **Sandip Sabale** and Baburao Mohite, Sorption and separation of Lead(II) using poly[dibenzo-18-crown-6] in L-valine medium, *Res. J. Chem. & Environ.*, 14(2), 2010, 63-67. (ISSN: 0972-0626)(IF. 0.64)
12. Deepali V. Jadhav, **Sandip R. Sabale** and B. S. Mohite, Column chromatographic separation of Lead(II) using poly[dibenzo-18-crown-6] and ascorbic acid, *J Environ. Sci. & Eng.* 2012, 54(3) 379-384.
13. K. R. Mahanwar, **S. R. Sabale**, N.S. Madane, G.H.Nikam, B. S. Mohite, Reversed phase partition chromatographic separation of La(III) from picric acid on poly[dibenzo-18-crown-6], *Res. J. Chem. & Environ.* 15(1), 38-41 (2011). (ISSN: 0972-0626)(IF. 0.64)
14. **Sandip R. Sabale**, Construction of Phase diagram of Sodium thiosulphate+water+t-Butanol at ambient room temperature, *Chin. J. Chem.* **2011**, 29, 2562-2564 (ISSN: 1614-7065) (IF. 0.917)
15. A.B. Bandgar, **S.R. Sabale**, S.H. Pawar, Synthesis of nanocrystalline titanium dioxide using refluxed aqueous peroxy titanium complex solution, *Micro & Nano Letters*, 2011, Vol. 6, Iss. 10, 816–819.(ISSN: 1750-0443) (0.90)
16. K.R. Mahanwar, **S.R. Sabale**, N.S. Madane, G.H. Nikam, B.S. Mohite, Reversed Phase Partition Chromatographic Separation of Gd(III) From Hippuric Acid on Poly[Dibenzo-18-Crown-6], *Chemical Sciences Journal*, Vol. 2011: CSJ-27 (ISSN:21503494 (Online)
17. Arti Bandgar, **Sandip Sabale**, S.H. Pawar, Studies on Influence of Reflux Time on Synthesis of Nanocrystalline TiO₂ prepared by Peroxotitanate Complex Solutions, *Ceramics International*, 2012, 38, 1905-1913.(ISSN:0272-8842) (IF:1.968)
18. K.R. Mahanwar, **S.R. Sabale**, R.B. Kadam, B.S. Mohite, Reversed Phase Extractive Separation of Gd(III) using Poly[Dibenzo-18-Crown-6], *Int. J. Inorg. Chem.*, Volume 2012, Article ID 515196, 6 pages (ISSN: 2090-2026)

19. **Sandip R Sabale**, Bhaskar V Tamhankar, Meena M Dongare and B S Mohite, Extraction, Determination and Bioremediation of Heavy Metal Ions and Pesticide Residues from Lake Water, *J. Biodegradation Bioremediation*, 2012, 3(4) 1-8.(ISSN: 2155-6199) (IF:3.0)
20. S.R.Kulal, S.S.Khetre, P.N. Jagdale, V.M. Gurame, D.P. Waghmode, G.B. Kolekar, S.R. Sabale, S.R. Bamane, Synthesis of Dy doped Co–Zn ferrite by sol–gel auto combustion method and its characterization, *Materials Letters*, 2012, 84, 169-172. (ISSN: 0167-577X) (IF: 2.322)
21. Gurunath Nikam, Kirti Mahanwar, **Sandip Sabale** and Baburao Mohite, Extractive Separation of Cadmium(II) using Cyanex 923 from Ammonium Thiocyanate Medium, *Separation Science and Technology*, 2013, 48, 493-500.(ISSN: 1520-5754)(IF:1.20)
22. **Sandip Sabale**, Arti Bandgar, Haiyan Wang, Kishor Gurav, J.M. Kim, S.H. Pawar, Direct synthesis and characterization of high temperature stable anatase TiO₂ nanospheres by PTC dissolution method, *Metals and Materials International*, 2013, 19(3), 483-488.(ISSN: 1598-9623)(IF:1.434)
23. V.V. Jadhav, R.S. Dhabbe, **S.R. Sabale**, G.H. Nikam, B.V. Tamhankar, Degradation of Dyes Using High Temperature Stable Anatase Nanosphere TiO₂ Photocatalyst, *Universal J. Environ. Res. & Technol.*, 2013, 3(6) 667-676.(eISSN:2249-0256)
24. B.V. Tamhankar, **S.R. Sabale**, G.H. Nikam, Applications of Titania nanoparticles in Photocatalysis:A Review Note, *The Research View*, 2013, I(2) 6-7. (ISSN: 2321-9777)
25. **Sandip Sabale**, Vishwajeet Khot, Vidhya Jadhav, Xiaoli Zhu, Yanhong Xu, Synthesis and Properties of Monodisperse Superparamagnetic Mg_{0.8}Mn_{0.2}Fe₂O₄ Nanoparticles Using Polyol Reflux Method, *Acta Metallurgica Sinica*, 2014, 27(6), 1122–1126 (IF 1.18) (ISSN 1006-7191)
26. **Sandip Sabale**, (Editorial) Contamination and need of bioremediation of pesticide residues in fresh water aquifers, *J. Biodegrad. Biorem.*, 2015, 5:5, (IF 3.00) (ISSN 2155-6199).
27. **Sandip Sabale**, Vidhya Jadhav, Vishwajeet Khot, Xiaoli Zhu, Yanhong Xu, Hongxia Chen, Polyol synthesized superparamagnetic MFe₂O₄ (M=Ni, Co, Zn, Mn) nanoparticles: synthesis, characterization, induction heating and cell viability studies for cancer hyperthermia applications, *J. Mat. Sci. and Tech.: Mat. In Medicine*, 2015, 26, 127. (IF 2.379) (ISSN 0957-4530).
28. S.J. Mane-Gavade, G.H.Nikam, **S.R.Sabale**, R.S.Dhabbe, G.N.Mulik, B.V.Tamhankar, Green synthesis of silver nanoparticles by using Acacia concinna fruit extract and their antibacterial activity, *Nanoscience and nanotechnology an Indian Journal*, 2015, 9(3), 089-094. (ISSN : 0974 - 7494)
29. G. H. Nikam, **S. R. Sabale** and B. V. Tamhankar, synergistic solvent extraction study of Fe (III) from sodium acetate by using DB18C6 and TBP, *Int. J. Researches In Biosciences, Agriculture and Technology*, 2015, 3 (II), 18-23. (ISSN:2347-517X)
30. S. Chavan, R. Kamble, S.S. Mahajan, G. Nikam, **S. Sabale**, Synthesis, Characterization and effect on effect on photocatalytic property of Fe³⁺-TiO₂ nanoparticles under UV light irradiation, *Int. J. Researches In Biosciences, Agriculture and Technology*, 2015, 3 (II), 13-17. (ISSN: 2347-517X).
31. S J Mane Gavade, G H Nikam, R S Dhabbe, **S R Sabale**, B V Tamhankar and G N Mulik, Green synthesis of silver nanoparticles by using carambola fruit extract and their antibacterial activity, *Advances in Natural Sciences: Nanoscience and Nanotechnology*, 6 (2015) 045015 (6 pp)

32. Priyanka Kandesar, Prashant Chikode and **Sandip Sabale**, Perspective of Magnetic Fluid Hyperthermia (MFH) for the Treatment of Tumor, *Journal of tumor Research*, 2(1) 113, (2016) pp. 1-3.
33. Ravi Kamble, **Sandip Sabale***, Prashant Chikode, Vijaya Puri, Smita Mahajan, Structural and Photocatalytic Studies of Hydrothermally Synthesized Mn²⁺-TiO₂ Nanoparticles under UV and Visible light Irradiation, *Mater. Res. Express* 3 (2016) 115005. doi:10.1088/2053-1591/3/11/115005. (IF:0.968)
34. Sandip Sabale, Jian Zheng, Rama S. Vemuri, Xiao-Ying Yu, B. Peter McGrail, Radha Kishan Motkuri, Recent Advances in Metal-Organic Frameworks for Heterogeneous Catalyzed Organic Transformations, *Synth. Catal.* 2016, 1(1): No. 5 pp. 1-8.
35. Ramesh Shinde, Prashant Chikode, Gurunath Nikam, Amit Supale and **Sandip Sabale***, 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) (2016) IJESNR.MS.ID.555557.(ISSN:2572-1119).
36. Vidhya Jadhav, Prashant Chikode, Gurunath Nikam and **Sandip Sabale***, Polyol synthesis and characterization of ZnO@CoFe₂O₄ MNP's to study the photodegradation rate of azo and diphenyl type dye, *ICMRA 2016, Materials Today: Proceedings* 3 (2016) 4121–4127. (ISSN: 2214-7853)
37. S. J. Mane Gavade. , G. H. Nikam, **S. R. Sabale**, B. V. Tamhankar, Green synthesis of fluorescent silver nanoparticles using *Acacia nilotica* gum extract for kinetic studies of 4-nitrophenol reduction, *ICMRA 2016, Materials Today: Proceedings* 3 (2016) 4109–4114. (ISSN: 2214-7853)
38. Ravi Kamble, **Sandip Sabale***, Prashant Chikode, Vijaya Puri, Xiao-Ying Yu, and Smita Mahajan, Studies on the Fe³⁺ Doping Effect on Structural, Optical and Catalytic Properties of Hydrothermally Synthesized TiO₂ Photocatalyst, *Nanoscience & Nanotechnology-Asia*, 2017, 7, 230-242. (ISSN: 2210-6820).
39. Ravi Kamble, **Sandip Sabale***, Prashant Chikode, Vijaya Puri, and Smita Mahajan, Structural characterization and photocatalytic properties of hydrothermally synthesized Ni²⁺-TiO₂ nanoparticles for dye degradation under direct sunlight, *Indian Journal of Chemistry*, 56A, 2017, 479-487.
40. Jian Liu, Jian Zheng, Dushyant Barpaga, **Sandip Sabale**, Bruce Arey, Mirosław A. Derewinski, B. Peter McGrail, and Radha Kishan Motkuri, A tunable bimetallic MOF-74 for adsorption chiller applications, *European Journal of Inorganic Chemistry*, 2018 (7), 885-889.
41. **Sandip Sabale**, Priyanka Kandesar, Vidhya Jadhav, Rachel Komorek, Radhakishan Motkuri, Xiao-Ying Yu, Recent developments in the synthesis, properties, and biomedical applications of core/shell superparamagnetic iron oxide nanoparticles with gold, *Biomaterials Science*, 2017, 5 (11), 2212-2225.
42. Luis Estevez, Dushyant Barpaga, Jian Zheng, **Sandip Sabale**, Rajankumar L Patel, Ji-Guang Zhang, B. Peter McGrail, and Radha Kishan Motkuri, Hierarchically Porous Carbon Materials for CO₂ Capture: The Role of Pore Structure, *Industrial & Engineering Chemistry Research* 2018 (7), 885-889.
43. T. T. Bhosale, H. M. Shinde, N. L. Gavade, S. B. Babar, V. V. Gawade, **S. R. Sabale**, R. J. Kamble, B. S. Shirke, K. M. Garadkar, Biosynthesis of SnO₂ nanoparticles by aqueous leaf extract of *Calotropis gigantea* for photocatalytic applications, *Journal of Materials Science: Materials in Electronics* (2018) 29:6826–6834.
44. Vidhya V Jadhava, Sanjay S Kolekar, Rajendra R Kumbharc, Bhaskar V Tamhankar, **Sandip R Sabale**, Effect of third component on separation behavior of water+t-

- butanol+Na₂SO₃/Na₂SO₄ system at 298±2 K, Indian Journal of Chemistry A, 57(A) 2018 791-794.
45. S.J. Mane Gavade, G.H. Nikam, **S.R. Sabale** and B.V. Tamhankar, Microwave assisted green synthesis of gold nanoparticles using Acacia nilotica gum extract and their antibacterial activity, *Research J. of Chemistry and Environment*, 22(7) 2018, 1-6.
 46. S. J. Mane-Gavade, **S. R. Sabale***, X-Y. Yu, G. H. Nikam and B V Tamhankar, Green synthesis and spectroscopic studies of Ag-rGO nanocomposites for highly selective mercury (II) sensing, *Nanoscience & Nanotechnology-Asia*, 2017, 7, Accepted (ISSN: 2210-6820).

Book Chapters and Proceedings:

1. **Sandip Sabale**, Gurunath Nikam and B.S. Mohite La(III) Sorption Studies on Poly[dibenzo-18-crown-6] for the Sequential Separation of La(III), Th(IV) and U(VI) in L-arginine, Emerging trends in separation science and technology (SESTEC-2010), IGCAR, Kalpakkam, 1st-4th March 2010. ISBN-978-81-8 372-055-2
2. Aarti B. Bandgar, **Sandip R. Sabale**, S. H. Pawar, Synthesis of Titanium Nanoparticles as Energy Materials by Simple Chemical Route with Reflux Technique, Proceeding, Commercialization of Renewable Energy and Technology (CRET-09), D.Y. Patil University, 21st -23rd October 2009.
3. **Sandip Sabale**, Gurunath Nikam, Bhaskar Tamhankar, Photodegradation of crystal violet using TiO₂ nanosphere photocatalyst, Proceeding, Chemistry and its Role in Human Development, Dr. Patangarao Kadam Mahavidyalay, Sangli, (ISBN 978-81-925021-0-6, 2012, 65-70).
4. G. H. Nikam, B. V. Tamhankar, R. D. Tasgaonkar, R. S. Dhabbe, S. R. Sabale, Dye Industry waste water treatment using adsorbent obtained from agriculture waste, National Conference on Frontiers in Chemistry-2013, S. G. M. College, Karad, 26-27th December, 2013 (ISBN-978-93-5137-576-0)
5. B. V. Tamhankar, S. R. Sabale, G. H. Nikam, S.S. Mahajan, Global Warming: Causes and Control, national Conference on Global Warming (Climate Change), M.B.S.K. KaNYA Mahavidyalaya, Kadegaon, 6-7th February, 2014 (ISBN:978-93-5156-228-3)
6. K. R. Mahanwar and S. R. Sabale, Reversed phase partition chromatographic separation of Gd(III) on poly[crown ether] column, DAE-BRNS Symposium on Emerging trends in separation science and technology (SESTEC-14), Bhabha atomic research center, Mumbai, 25-28 February 2014.
7. Prashant P. Chikode, Sandip R. Sabale and Rajiv S Vhatkar, Determination of Young's Modulus of Silica Aerogels using Holographic Interferometry, International Conference on Condensed Matter and Applied Physics (ICC 2015), AIP Conf. Proc. 1728, 020685-1–020685-6. doi: 10.1063/1.4946736
8. Magnetically Separable Low Cost Adsorbent for Bioremediation of Th(IV) and Methylene Blue Dye from Water Sample, A. Kallel et al. (eds.), Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions, Advances in Science, Technology & Innovation, https://doi.org/10.1007/978-3-319-70548-4_52
9. Multivariate Statistics of Physico-Chemical Parameters to Develop the Baseline Level of Water Quality Around the Proposed Jaitapur Nuclear Power Plant, India, A. Kallel et al. (eds.), Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions, Advances in Science, Technology & Innovation, https://doi.org/10.1007/978-3-319-70548-4_52

Papers presented in conferences:

1. Chromatographic separation of Ce(III) from U(VI) and Th(IV) in L-valine using poly[dibenzo-18-crown-6] (ORAL) Trace 2007, Saha Institute of Nuclear Physics Kolkata (3-13 Oct. 2007). Sandip Sabale and B. S. Mohite
2. Chromatographic sorption study and separation of uranium(VI) from associated elements using poly[dibenzo-18-crown-6] (ORAL) 44th Annual Convention of Chemists, Indian Chemical Society [Held at Jaipur], 23 December 2007. Sandip R. Sabale and Baburao S. Mohite
3. Phase diagram of Na₂S₂O₃+Tert.-Butanol+Water at ambient pressure and temperature (POSTER), 3rd National Conference on Thermodynamic of Chemical and Biological systems [S.T.M. Nagapur Univerity], Sandip Sabale, Dilip Dagade, Prashant Shirame and Baburao Mohite
4. "Chromatographic separation of Be(II) from Ca(II), Mg(II), Sr(II) and Ba(II) using poly[dibenzo-18-crown-6] and L-arginine" (ORAL) 45th Annual convention of chemists and international conference on recent advances in chemistry, Indian Chemical society and Karnataka University Dharwad, Sandip R. Sabale and Baburao S. Mohite
5. Chromatographic separation of Pb(II) from other toxic metal ions using poly[dibenzo-18-crown-6] in hippuric acid. (ORAL) 45th Annual convention of chemists and international conference on recent advances in chemistry, Indian Chemical society and Karnataka university Dharwad, Deepali V. Jadhav, Sandip R. Sabale and Baburao S. Mohite
6. La(III) sorption studies on poly[dibenzo-18-crown-6] and its separation from U(VI) and Th(IV) in L-valine medium (POSTER) International Conference on Nanomaterials and Applications, [Shivaji University] Sandip Sabale, Deepali Jadhav and B.S. Mohite
7. Sorption and Separation Study of Pb(II) from other toxic metal ions using poly[dibenzo-18-crown-6] in L-arginine (POSTER) International Conference on Nanomaterials and Applications, [Shivaji University] Sandip Sabale, Deepali Jadhav and B.S. Mohite
8. Sorption and Separation Study of Pb(II) from other toxic metal ions using poly[dibenzo-18-crown-6] in L-arginine (POSTER), International Conference on Nanomaterials and Applications, 9-11th December 2008, Shivaji University, Sandip Sabale, Deepali Jadhav and B.S. Mohite.
9. Environmental assessment of rankala lake regarding the heavy metal, pesticide residue and vegetative growth using AAS and LCMS/MS, (Oral), 46th Annual convention of Chemists, 2-6th December 2009 Vellore-Tamilnadu, Sandip Sabale, Gurunath Nikam, Rajendra Kumbhar and Baburao Mohite.
10. Construction of Phase diagram of Sodium thiosulphate+water+ethanol/tert.-Butanol at ambient room temperature, (oral), 46th Annual convention of Chemists, 2-6th December 2009 Vellore-Tamilnadu, Sandip Sabale, Ashish Sartape and Rajendra Kumbhar.
11. Synergistic solvent extraction study of Iron using cyanex 272 and dibenzo-18-crown-6, Synergistic solvent extraction study of Iron using cyanex 272 and dibenzo-18-crown-6, 23rd-24th December 2009, Department of Chemistry, Shivaji University, Gurunath Nikam, Sandip Sabale, Namde Madane and B. S. Mohite

12. Chromatographic separation of Pb(II) using Poly[dibenzo-18-crown-6] in L valine, 23rd-24th December 2009 Department of Chemistry, Shivaji University, Deepali Jadhav, Sandip Sabale, Kirti Mahanwar and B. S. Mohite.
13. Synthesis of titanium oxide nanoparticles for biomedical applications, Abstract Book of National Conference of Material and Science(NCMS-2010) January 6th to 7th at Vidyabharati Mahavidyalaya, Amarawati, Aarti Bandgar, Sandip Sabale, Rajeev Joshi and S.H.Pawar
14. Synthesis of anatase titanium nanoparticles for biomedical applications” , Abstract Book of Campaign on University Research & Training(COURT-2010) February 18th D.Y. Patil University Kolhapur, Aarti Bandgar, Sandip Sabale and S.H.Pawar.
15. Arti Bandgar, Sandip Sabale and S.H.Pawar , “ Synthesis of titanium dioxide nanoparticles by chemical route with reflux”, Abstract Book of International Workshop and Symposium on Synthesis and Characterizations of Glass and Glass Ceramics(IWSSCGGC-2010) July 9th and 10th 2010 at Centre for Materials and Electronics Technology(C-MET), Pune.
16. Arti Bandgar, Sandip Sabale and S.H.Pawar, “Studies on the mechanism of reflux in nanosynthesis of TiO₂”, Abstract Book of International Conference on Nanotechnology and Medical Sciences (ICNAMS-2010) October 21st to 23rd 2010 at D.Y.Patil University, Kolhapur.
17. Arti Bandgar, Sandip Sabale and S.H.Pawar, “Structural and Optical Properties of Hydrothermally Grown Anatase TiO₂ in the Presence of Nitrogen”, Abstract Book of 22nd Annual General Meeting of MRSI (MRSI AGM-2011) February 14th to 16th at Advanced Materials and Processes Research Institute (AMPRI), Bhopal.
18. Sandip Sabale, Arti Bandgar and S.H.Pawar, “Studies of annealing effect on nano TiO₂ synthesized by aqueous PTC”, Abstract Book of 22nd Annual General Meeting of MRSI (MRSI AGM-2011) February 14th to 16th at Advanced Materials and Processes Research Institute (AMPRI), Bhopal.
19. K.R. Mahanwar, S.R. Sabale, R.B. Kadam, N.D. Nikam, B.S. Mohite, Reverse phase partition chromatographic separation study of Gd(III) from other elements using poly[dibenzo-18-crown-6] and picric acid, Advances in Synthetic Methodologies and New Materials, ASMNM-2011, Shivaji University, Kolhapur.
20. S.R. Sabale, R.R. Kumbhar, Pesticide contamination in fresh water aquifers and their bioremediation- a case study of Rankala lake (Kolhapur), National Seminar on Environmental pollution and Monitoring, September-17-18-2010, C.K.T. College, New Panvel.
21. S.R. Sabale, G.H. Nikam, R.D. Tasgaonkar, B.V. Tamhankar and B.S. Mohite, Extraction, determination and remediation of pesticide residues from water sample using liquid chromatography tandem mass spectrometry, National Seminar on Advanced Spectral Methods of Analysis, Dec. 16-17th 2011, KBP College, Pandharpur.
22. S.R. Sabale, A.B. Bandgar, G.H. Nikam, B.S. Mohite, Genxi Li, S.H. Pawar, Synthesis of high temperature stable anatase TiO₂ nanosphere photo-catalyst from peroxo titanium complex, National Seminar on Recent Advances in Synthetic Chemistry and Nanomaterials, 21-22nd Jan-2012, Shivaji University, Kolhapur.
23. Participated, The 3rd Asia Pacific Protein Association (APPA) Conference, May 6-9 2011, Shanghai, China.
24. Participated in State level Chemistry Workshop, Organized by Marathi Rasayanshastra, Parishad, Kolhapur, 5th Feb 2012, New College, Kolhapur.

25. Sandip Sabale, Gurunath Nikam, Bhaskar Tamhankar, Photodegradation of Methyl red, Thymol blue, Crystal violet and Congo red dyes using TiO₂ nanosphere photocatalyst, Poster Presentation, UGC sponsored National Seminar on Chemistry and its Role in Human Development' (NSCRHD12), 26th March 2012, Dr. Patangrao Kadam Mahavidyalaya, Sangli
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27. S. R. Sabale, R. D. Tasgaonkar, G. H. Nikam, R. R. Kumbhar, Equilibrium study of Na₂S₂O₃ + Isopropanol + Water Ternary System to Construct Phase Diagram, National Conference on Research in Chemical Sciences''-2013 (CRCS- 2013), 22-23rd January 2013, Department of Chemistry, Shivaji University, Kolhapur.
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Memberships and Other

- **Life Member-** Association of Separation Scientists and Technologist, Bhabha Atomic Research Center, Mumbai
 - **Life Member-** Indian Science Congress, Delhi
 - **Life Member-** Materials Research Society of India (MRSI)
 - **Editor-** Journal of Biodegradation and Bioremediation, World Research Journal of Physical Chemistry
 - **Reviewer-** Applied Surface Science, Scientific Reports, Analytical Chemistry (ACS), ACS Applied Materials & Interfaces, Analytica Chimica Acta, RSC Advances, Scientific Reports, The Journal of Physical Chemistry (ACS), Results in Physics, Talanta, J. Hazardous Materials, Chinese J of Chemistry (Wiley Interscience), Electrochemical Communication, J. Environmental Chemical Engineering, J. Environmental Chemistry and Ecotoxicology, Journal of the Brazilian Chemical Society, Int. J. Research in Chemistry and Environment, Global advanced research journal of physical and applied sciences, Indian Journal of Chemistry A, Journal of Alloys and Compounds, J. Materials Science: Materials in Electronics, Chemistry Letters, Science and Engineering of Composite Materials, Chemical Data Collection, Australasian J Physical and Engineering Science, Applied Physics A, Journal of Environmental Chemical Engineering
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