

CURRICULUM VITAE



Dr. Appasaheb Kundalik Bhosale

1. **Name** :- Dr. Appasaheb Kundalik Bhosale
2. **Name of College** :- Raje Ramrao Mahavidyalaya, Jath
3. **Official Address** :- Dept. of Physics, Raje Ramrao Mahavidyalaya, Jath,
Tal: Jath, Dist: Sangli, Pin: 416 404,
Maharashtra, India.
4. **Permanent Address** :- A/P- Kavate-Mahankal, N. T. Patil Nagar,
Tal: Kavathe Mahankal, Dist: Sangli, Maharashtra, India.
5. **Date of Birth** :- 01/06/1967
6. **Subject** :- Physics
7. **Area of Specialization** :- Materials Science
8. **Date of Appointment** :- 13/10/1992
9. **Designation** :- Assistant Professor in Physics (I/C Principal)
10. **E-mail ID** :- akbhosale.1@gmail.com
11. **Contact numbers** :- Ph-02341-223084, Mob- 9421048645
12. **Qualifications** :- M.Sc. B.Ed. Ph.D.

13. Academic Qualifications:-

Sr. No.	Exam Passed	Board/University	Subject	Year	Grade
1.	Ph.D.	Shivaji University, Kolhapur	Physics	2009	

2.	B.Ed.	Shivaji University, Kolhapur	Science Method	1994	I st
3.	M.Sc.	Shivaji University, Kolhapur	Physics	1990	II st
4.	B.Sc.	Shivaji University, Kolhapur	Physics	1988	I st
5.	H.S.C.	Pune Board	Marathi, Eng, Che, Phy, Maths, Bio.	1985	I st
6.	S.S.C.	Pune Board	All Subject	1983	I st
7.	MS-CIT	Technical Board	Computer	2005	I st

1. Title of Research Work:

“Spray deposition and characterization of cerium oxide, cerium-silica oxide and cerium-zirconium oxide thin films as optically passive counter electrodes for electrochemical device” under the guidance of **Prof. Pramod S. Patil**, Dept. of Physics, Shivaji University, Kolhapur.

2. Appointment and Designation

- 1) Assistant professor: 1992-till a date.
- 2) Head of Department: 2018-2020.
- 3) In-charge Principal: December 2020 to till a date.

3. International Research Publications: (13)

Google Scholar Citations: 449, h-index: 11, i-10 index: 11

- 1) Rajaram S Sutar, Sanjay S Lathe, Saravanan Nagappan, Chang-Sik Ha, Kishor Kumar Sadasivuni, Shanhu Liu, Ruimin Xing, **Appasaheb K Bhosale**. “Fabrication of robust self-cleaning superhydrophobic coating by deposition of polymer layer on candle soot surface”. Journal of Applied Polymer Science 49943, 2021. (Impact Factor: 2.5)
- 2) Dhanaji S Dalavi, **Appasaheb K Bhosale**, Radhika S Desai, Pramod S Patil. Energy efficient electrochromic smart windows based on highly stable CeO₂-V₂O₅ optically passive counter electrode. Materials Today: Proceedings (2020).
- 3) Sanjay S.Lathe, Vishnu S.Kodagb, Rajaram S.Sutar, **Appasaheb K. Bhosale**,

- Saravanan Nagappan, Chang-SikHa, Kishor Kumar Sadasivuni, Shivaji R.Kulal, Shanhu Liu, Ruimin Xing. Sawdust-based superhydrophobic pellets for efficient oil-water separation. *Materials Chemistry and Physics* 243 (2020): 122634. (Impact Factor: 2.8)
- 4) Sanjay S. Latthe, Rajaram S. Sutar, **Appasaheb K. Bhosale**, Saravanan Nagappan, Chang Ha, Kishor Sadasivuni, Shanhu Liu, Ruimin Xing. Recent Developments in Air-trapped Superhydrophobic and Liquid-infused Slippery Surfaces for Anti-icing Application. *Progress in Organic Coatings* 137 (2019): 105373. (Impact Factor: 4.469)
 - 5) Sanjay S Latthe, Rajaram S Sutar, Vishnu S Kodag, **AK Bhosale**, A Madhan Kumar, Kishor Kumar Sadasivuni, Ruimin Xing, Shanhu Li. Self-cleaning superhydrophobic coatings: Potential industrial applications. *Progress in Organic Coatings*, Volume 128, March 2019, Pages 52-5. . (Impact Factor: 4.469)
 - 6) Sanjay S Latthe, Rajaram Sutar, Tejashwini Shinde, Smita Pawar, Tushar Khot, **Appasaheb Bhosale**, Kishor Kumar Sadasivuni, Ruimin Xing, Liquan Mao, Shanhu Liu. Superhydrophobic Leaf Mesh Decorated with SiO₂ Nanoparticle-Polystyrene Nanocomposite for Oil-Water Separation. *ACS Appl. Nano Mater.*, 2019, 2 (2), pp 799-805. (Impact Factor: 7.5)
 - 7) Singha Deb, A. K., A. Boda, Sk M. Ali, K. T. Shenoy, **A. K. Bhosale**, and H. Jadhav. "Improved zinc adsorption and isotope separation by crown ether functionalized resin." In *Proceedings of the seventh DAE-BRNS interdisciplinary symposium on materials chemistry*. 2018.
 - 8) Ruimin Xing, Sanjay S. Latthe, **A. K. Bhosale**, Rui Li, A. Madhan Kumar, and Shanhu Liu, "A Novel and Facile Approach to Prepare Self-cleaning Yellow Superhydrophobic Polycarbonates", *Journal of Molecular Liquids*, Accepted, 2017. (Impact Factor = 3.64).
 - 9) **A. K. Bhosale**, S. R. Kulal, V. M. Gurame, and P. S. Patil, "Spray deposited CeO₂-TiO₂ counter electrode for electrochromic devices", *Bulletin of Materials Science*, 38 (2), 2015, 483-491. (Impact Factor: 0.8).
 - 10) P. M. Kadam, N. L. Tarwal, P. S. Shinde, S. S. Mali, R. S. Patil, **A. K. Bhosale**, H. P. Deshmukh, and P. S. Patil, "Enhanced optical modulation due to SPR in gold nano particles embedded WO₃ thin films", *Journal of Alloys and Compounds*, 509 (2011) 1729-1733. (Impact Factor: 3.15)
 - 11) **A. K. Bhosale**, P. S. Shinde, N. L. Tarwal, P. M. Kadam, S. S. Mali, and P. S.

Patil, "Synthesis and characterization of spray pyrolyzed nano crystalline CeO₂-SiO₂ thin films as passive counter electrodes", Solar energy material and solar cells, 94 (5), 2010, 781-787 (Impact Factor: 4.78).

- 12) **A. K. Bhosale**, P. S. Shinde, N. L. Tarwal, R. C. Pawar, P. M. Kadam, and P. S. Patil, "Synthesis and characterization of highly stable optically passive electrode CeO₂-ZrO₂ in electrochemical device", Electrochemical Acta, 55 (2010) 1900-1906. (Impact Factor: 4.80)
- 13) **A. K. Bhosale**, N. L. Tarwal, P. S. Shinde, P. M. Kadam, R. S. Patil, S. R. Barmane, and P. S. Patil, "Effective utilization of spray pyrolyzed CeO₂ as optically passive counter electrode for enhancing optical modulation of WO₃", Solid State Ionics, 180 (2009) 1324-1331. (Impact Factor: 2.11).

4. Book Chapters Published: (03)

- 1) Latthe, Sanjay S. Rajaram S. Sutar. **A.K.Bhosale**, Kishor Kumar Sadasivuni. Shanhu Liu. "Superhydrophobic surfaces for oil-water separation." Superhydrophobic Polymer Coatings. Elsevier, 2019. 339-356.
- 2) Sanjay S. Latthe and **A. K. Bhosale**, "Sol-Gel Processed Superhydrophobic Coatings on Numerous Substrates for Self-Cleaning Applications: A Lotus Leaf Effect" in Biodiversity Assessment: Tool for Conservation, 2017, Chapter 18, pp. 230-238 (ISBN: 978-81-931247-3-4) published by Bhumi Publishing, Kolhapur, Maharashtra, India (2017).
- 3) Rajaram S. Sutar, **A. K. Bhosale** and Sanjay S. Latthe, "A Facile Fabrication of Durable PS-SiO₂ Composite Superhydrophobic Coatings" in Advances in Materials Science – 2017 (A special issue for ICAMS - 2017) pp. 146 – 150 (ISBN: 978 – 84 – 931247 – 6 – 5) published by Bhumi Publishing, Kolhapur, Maharashtra, India (2017).

5. Conference Research Papers: (13)

1. Rajaram S. Sutar, P. B. Patil, A. K. Bhosale, S. Nagappan, S. R. Shinde, P. P. Chikode, C. E. Patil, S. S. Kadam, P.M. Kadam, C. R. Bobade, K. K. Sadasivuni, K. H. Park, and S. S. Latthe, "Photocatalytic and Superhydrophilic TiO₂ – SiO₂ Coatings on Marble for Self-Cleaning Applications", Macromolecular Symposia, 400 (2021) 2100083 [I.F. 0.85], Publisher: Wiley, ISSN 1521-3900.
2. Rajaram S. Sutar, N. P. Kulkarni, S. Nagappan, A. R. Jundle, P. G. Pawar, N. N. Pargaonkar, N. B. Gharge, P. S. Yadav, S. S. Kshirsagar, S. S. Kanchankoti, A. S.

- Sawant, S. G. Kodag, S. S. Mahajan, V. S. Shinde, K. H. Park, K. K. Sadasivuni, A. K. Bhosale, and S. S. Latthe, "Octadecyltrichlorosilane Modified Superhydrophobic-Superoleophilic Stainless Steel Mesh for Oil- Water Separation", *Macromolecular Symposia*, 400 (2021) 2100096. [I.F. 0.85], Publisher: Wiley, ISSN 1521-3900.
3. Rajaram S Sutar, Shriram D Manadeshi, Sanjay S Latthe, SR Kulal, GD Salunkhe, KK Rangar, RA Lavate, SB Raut, AC Sapkal, **Appasaheb K Bhosale**, Kishor Kumar Sadasivuni, Shanhu Liu, Ruimin Xing. "Superhydrophobic Coating Using TiO₂ NPs/PMHS Composite for Self-Cleaning Application". *Macromolecular Symposia*, vol. 393, no. 1, p. 2000033. 2020. (Impact Factor: 0.68)
 4. Rajaram S Sutar, Sima S Gaikwad, Sanjay S Latthe, Vishnu S Kodag, SB Deshmukh, LP Saptal, SR Kulal, **Appasaheb K Bhosale**. "Superhydrophobic Nanocomposite Coatings of Hydrophobic Silica NPs and Poly (methyl methacrylate) with Notable Self-Cleaning Ability". *Macromolecular Symposia*, vol. 393, no. 1, p. 2000116. 2020. (Impact Factor: 0.68)
 5. Rajaram S Sutar, Sanjay S Latthe, AM Sargar, CE Patil, VS Jadhav, AN Patil, KK Kokate, **Appasaheb K Bhosale**, Kishor Kumar Sadasivuni, Santosh V Mohite, Shanhu Liu, Ruimin Xing. "Spray Deposition of PDMS/Candle Soot NPs Composite for Self-Cleaning Superhydrophobic Coating". *Macromolecular Symposia*, vol. 393, no. 1, p. 2000031. 2020. (Impact Factor: 0.68)
 6. Rajaram S Sutar, Prashant J Kalel, Sanjay S Latthe, Deepak A Kumbhar, Smita S Mahajan, Prashant P Chikode, Swati S Patil, Sunita S Kadam, VH Gaikwad, **Appasaheb K Bhosale**, Kishor Kumar Sadasivuni, Shanhu Liu, Ruimin Xing. "Superhydrophobic PVC/SiO₂ Coating for Self-Cleaning Application". *Macromolecular Symposia*, vol. 393, no. 1, p. 2000034. 2020. (Impact Factor: 0.68)
 7. Sanjay S Latthe, Rajaram S Sutar, **A. K. Bhosale**, Vishnu S Kodag, Poonam M Shewale, Ruimin Xing, Shanhu Liu. "Fabrication of Silica/PMMA Composite Based Superhydrophobic Coating by Drop Casting Method". *JOURNAL OF NANO- AND ELECTRONIC PHYSICS*, Vol. 12 No 2, 02023(4pp), 2020. (Impact Factor: 0.68)
 8. Rajaram S. Sutar, Sanjay S. Latthe, **A. K. Bhosale** Ruimin Xing, Shanhu Liu. Durable Self-Cleaning Superhydrophobic Coating of SiO₂-Cyanoacrylate Adhesive via Facile Dip Coat Technique. *Macromolecular Symposia*. Vol. 387. No. 1. 2019. (Impact Factor: 0.68)
 9. Thombare, Sohan, **Appasaheb Bhosale**, Shrikant Kokare, and Ashish Yengantiwar. "Effect of annealing of agglomeration of primary particles with anatase phase and tetragonal structure of TiO₂ thin films using spray pyrolysis deposition." In *AIP Conference Proceedings*, vol. 2142, no. 1, p. 080014. AIP Publishing LLC, 2019. (Impact Factor: 0.68)
 10. Rajaram S. Sutar, **A. K. Bhosale**, S. P. Dharigouda and S. S. Latthe, "Self-cleaning Superhydrophobic Silica Coatings Modified by Polystyrene" in

International Conference on Advances in Materials Science (ICAMS-2016) organized by Post-graduate Department of Physics, Raje Ramrao College, Jath on 7-8th December, 2016. Vol – I (ISBN: 978-93-5254-490-5)

11. Rajaram S. Sutar, A. Somadder, S. B. Pawar, T. M. Khot, T. B. Shinde, P. G. Pawar, **A. K. Bhosale** and S. S. Latthe, “Durability of Superhydrophobic Candle Soot Layer Deposited on Adhesive Tape” in ‘International Conference on Recent Trends in Science, Engineering Technology and Humanities 2018’ (ICRTSETH 2018), organized by Shivaji Polytechnic College, Sangola, Maharashtra, India on 13th April 2018. International Journal of Multifaceted and Multilingual Studies, Vol. – V (IV), April 2018, pp. 67 – 70. ISSN (Print): 2394-207X.
12. Rajaram S. Sutar, S. B. Pawar, T. B. Shinde, T. M. Khot, D. R. Gade, **A. K. Bhosale** and Sanjay S. Latthe, “Improvement in the Durability of Superhydrophobic Candle Soot Layer using Polystyrene” in International Conference on ‘New Trends in Nanotechnology’ (ICNTN – 2018) organized by Department of Physics, Arts, Science & Commerce College, Indapur, Dist- Pune, Maharashtra, India on 26th – 27th February 2018. International Journal of Multifaceted and Multilingual Studies, Vol. – V (II), February 2018, pp. 86 – 88. ISSN (Print): 2394-207X.
13. Rajaram S. Sutar, A. M. Kokare, D. M. Chougule, M. S. Ankalagi, R. L. Kalal, S. P. Pattanshetti, S. S. Kokare, S. R. Kokare, **A. K. Bhosale** and Sanjay S. Latthe, “Bio-inspired Superhydrophobic and Icephobic Surfaces - A Short Review” in One Day National Conference on Recent Advances in Zoology (RAIZ – 2018) organized by Dept. of Zoology, Raje Ramrao Mahavidyalaya, Jath, Maharashtra, India on 13th January 2018. International Journal of Life Sciences, 2018, pp. 177 – 180 (ISSN:23-7817(P), ISSN:2320-964X(O)) (Special Issue).

6. Number of Students working for Ph.D. under my Guidance: 02

Permanent Recognition as post graduate teacher/M.Phil. and Ph.D guide (**Ref. No.:** SU/PGBUTR/Recog/61 dated 03rd April 2012).

- 1) One of my Ph.D. student, *Mr. Rajaram S. Sutar* has been selected for Japan-Asia Youth Exchange Program in Science (Sakura Exchange Program in Science), held in the host organization at Tokyo University of Science Foundation, **Japan** during 14th November 2017 to 04th December 2017.

7. Refresher Courses Completed: (13)

- 1) **Completed Refresher Course** with Grade “A” in Dr. Patangrao Kadam Mahavidyalaya, Sangli, during 30/01/2019 - 05/02/2019.
- 2) **Completed Refresher Course** with Grade “A” in Department of Mechanical Engineering, NIT, Patna. during 21/09/2020 - 25/09/2020

- 3) **Completed Refresher Course** with Grade “A” in Bishop Caldwell College, Maravanmadam, Thoothukudi, during 16/09/2020 - 20/09/2020.
- 4) **Completed Refresher Course** with Grade “A” in Department of English, Balaji Institute of Technology and Science, Narsampet, Warangal Rural, Telangana, during 15/09/2020 - 17/09/2020.
- 5) **Completed Refresher Course** with Grade “A” in Dr. Patangrao Kadam Mahavidyalaya, Sangli sponsored by PMMMNMST, during 24/12/2019 - 30/12/2019.
- 6) **Completed Refresher Course** with Grade “A” in Teaching Learning Center, Ramanujan College, University of Delhi sponsored by PMMMNMST, during 21/10/2020 - 27/10/2020.
- 7) **Completed Refresher Course** with Grade “A” in Department of Basic Science and R&D Center, Tontadarya College of Engineering, Gadag, Karnataka, India, during 26/08/2020 - 28/08/2020.
- 8) **Completed Refresher Course** with Grade “A” in Teaching Learning Center, Ramanujan College, University of Delhi sponsored by PMMMNMST, during 01/10/2020 - 15/10/2020.
- 9) **Completed Refresher Course** with Grade “A” in Department of Applied Science, School of Natural & Applied Science, Maulana Abul Kalam Azad University of Technology, West Bengal, India and in association with Islamic University of Science & Technology, Jammu & Kashmir, during 14/09/2020 - 18/09/2020.
- 10) **Completed Refresher Course** with Grade “A” in Savitribai Phule Pune University, Pune during 2-22nd July 2015.
- 11) **Completed Refresher Course** with ‘A’ grade in “Experimental Techniques” organized by Mumbai University during 18th November 2007 to 3rd December 2007.
- 12) **Completed Refresher Course** on “Advantages of nuclear Physics” with Grade “A” in Goa University, during 6-28th June 2006.
- 13) **Completed Refresher Course** with ‘A’ grade organized by Dept. of Physics, Shivaji University, Kolhapur during 17th November 2003 to 8th December 2003.

8. Resource Person in Conference/Workshops: (09)

- 1) **Co-convener** of “Fifth International conference on Advances in Material Science” organized by Post graduate Department of Physics, Raje Ramrao Mahavidyalaya

Jath. 6th -7th June, 2020.

- 2) **Co-convener** of “Fourth International conference on Advances in Material Science” organized by Post graduate Department of Physics, Raje Ramrao Mahavidyalaya Jath. 20th-21st January, 2020.
- 3) **Co-convener** of One Day National Workshop on “Contributions of Women to Science & Opportunities for Women in Science” (CWS-OWS-2019)”, organized by Department of Chemistry, Department of Physics & Internal Quality Assurance Cell (IQAC), Raje Ramrao Mahavidyalaya, Jath, 15th February, 2019.
- 4) **Co-convener** of One Day International Workshop on “Job Opportunities for Indian Students in Japan”, organized by Department of Chemistry, Department of Physics & Internal Quality Assurance Cell (IQAC), Raje Ramrao Mahavidyalaya, Jath, 28th February, 2019
- 5) **Co-convener** of “Third International conference on Advances in Material Science” organized by Post graduate Department of Physics, Raje Ramrao Mahavidyalaya Jath. 27th-29th December, 2018.
- 6) Worked as a **Secretary** in Second International Conference on Advances in Materials Science (ICAMS-2017) organized by Post-graduate Department of Physics, Raje Ramrao College, Jath on 22nd-23rd December, 2017.
- 7) **Co-convener** of International Conference on Advances in Materials Science (ICAMS -2016), organised at Post Graduate Department of Physics, Raje Ramrao College Jath, on the dated 7-8th December 2016.
- 8) **Resource Person** in one day workshop on revised syllabus at B.Sc. III Physics Sem-VI on 25th August 2015 at K.N.P. college Walva.
- 9) **Resource person** for one day workshop on revised syllabus of physics B.Sc.-III (Semester V and VI) at K.N.P. College Walva on 21st August 2013.

9. International Conference / Workshop / Seminar Attended: (57)

- 1) **Attended** the 1st International e-Conference on Chemical & Materials for Emergent technologies (CheMET-2020)” organized by Center for Advanced Materials, Qatar University, Qatar, Emergent Materials Journal and Chemistry Africa Journal, Springer, during 15th - 17th November 2020
- 2) **Participated and presented paper** in “International conference on Advances in Material Science and Applications (Online) (ICASMA-2020)” on 3-4 September, 2020, organized by Dept. of Physics, M.S.Ramaiah Institute of Technology

(Autonomous Institute, Affiliated to VTU), Bangalore-560054, Karnataka, India. I have got “Best Oral presentation” award.

- 3) **Participated and presented paper** in “Second International Conference on Advances in Materials Science (ICAMS-2017)” organized by Post-graduate Department of Physics, Raje Ramrao College, Jath on 22-23rd December, 2017 (ISBN :978-84-931247-6-5). I have got “Best Oral presentation” award.
- 4) **Participated** in International E-Conference on “Cutting Edge Smart Materials & Nanotechnology (ICCESMN-2020)” organized by DEPARTMENT OF PHYSICS & IQAC of Sadguru Gadage Maharaj College, Karad , Maharashtra, India (An Autonomous College) during 20th -21st August 2020
- 5) **Participated and presented Abstract** in “Fifth International conference on Advances in Material Science”, organized by Raje Ramrao Mahavidyalaya Jath during 6th -7th June 2020.
- 6) **Participated and presented paper** in “Fourth International conference on Advances in Material Science”, organized by Raje Ramrao Mahavidyalaya Jath during 20th – 21st January 2020.
- 7) **Participated and presented paper** in International Conference on “Smart Materials and Nanotechnology (ICSMN-2020)”, organized by Department of Engineering Physics and Chemistry, SKN Sinhgad College of Engineering, Pandharpur during 2nd -4th January 2020.
- 8) **Participated and presented paper** in “Third International conference on Advances in Material Science”, organized by Raje Ramrao Mahavidyalaya Jath during 27th -29th December, 2018.
- 9) **Participated and presented paper** in “International Conference on Recent Trends in Science, Engineering Technology and Humanities 2018 (ICRTSETH 2018)”, organized by Shivaji Polytechnic College, Sangola, Maharashtra, India on 13th April 2018, ISSN (Print): 2394-207X .
- 10) **Participated and presented paper** in “International Conference on Advances in Materials Science (ICAMS-2016)” organized by Post-graduate Department of Physics, Raje Ramrao College, Jath on 7-8th December, 2016. Vol – I (ISBN: 978-93-5254-490-5)
- 11) **Participated and presented paper** in “International conference on Energy, Environment and Ethics in Research”, organized by Yashwantrao Chavan Warana Mahavidyalaya, Warananagar. 7 Feb. 2019

- 12) **Participated and presented paper** in “International Conference on ‘New Trends in Nanotechnology (ICNTN – 2018)’” organized by Department of Physics, Arts, Science & Commerce College, Indapur, Maharashtra, India on 26th – 27th February 2018, ISSN (Print): 2394-207X.
- 13) **Participated and presented paper** in “One Day National Conference on Recent Advances in Zoology (RAIZ – 2018)” organized by Dept. of Zoology, Raje Ramrao Mahavidyalaya, Jath, Maharashtra, India on 13th January 2018. International Journal of Life Sciences, 2018, pp. 177 – 180, (ISSN:23-7817(P), ISSN:2320-964X(O)) (Special Issue).
- 14) **Participated** in “National Webinar on Hybrid Nanomaterials for Energy Applications” organized by G. M. Vedak College of Science, Tala, Raigad on 13th January 2021
- 15) **Attended** the 1st International e-Conference on Chemical & Materials for Emergent technologies (CheMET-2020)” organized by Center for Advanced Materials, Qatar University, Qatar, Emergent Materials Journal and Chemistry Africa Journal, Springer, during 15-17 November 2020
- 16) **Participated** in International Web-Seminar on “Novel Application of Nanomaterials”, organized by Department of Chemistry and Physics, IQAC of Prof. Dr. N. D. Patil Mavidhyalaya, Malkapur-Perid, Sawantwadi on 18th July 2020.
- 17) **Participated** in National e-Conference on “Spectroscopic Characterization Techniques in Research” organized by Department of Physics and IQAC of Shrimant Babasaheb Deshmukh Mahavidhyalaya, Atpadi, Sangli on 17th July 2020
- 18) Participated in National e-Conference on “Progress in Materials Science” organized by Department of Physics and IQAC of Shrimant Babasaheb Deshmukh Mahavidhyalaya, Atpadi, Sangli on 13th July 2020
- 19) Participated in “National Seminar on Modern Approaches in Sciences”, organized by K. N. Bhise Arts, Commerce and Vinayakrao Patil Science College, Vidyanagar, Bhosare (Kurduwadi), Dist-Salapur. 28 Jan. 2019.
- 20) **Participated** in One Day Workshop entitled “Biodiversity Conservation”, organized by organized by Department of Chemistry, Raje Ramrao Mahavidhyalaya, Jath on 9th December 2017.
- 21) **Participated** in “Second International Symposium on Recent Progress of Energy

- and Environmental Photocatalysis and the 23rd China-Japan Bilateral Symposium on Intelligent Electrophotonic Materials and Molecular Electronics”, (Photocatalysis 2 & SIEMME’23) Tokyo University of Science, Katsushika, Tokyo, Japan. 01st – 03rd December, 2017.
- 22) **Participated** in “National Conference on Recent Trends in Nanomaterial’s (NCRTN-2017)” organized by Department of Nanoscience and Technology, Yashvantrao Chavan Institute of Science, Satara on 28th September 2017.
- 23) **Participated** in “8th International Conference on Advanced Material Development and Performance”, 11th – 15th July, 2017 (Department of Physics, Savitribai Phule Pune University, Pune, Maharashtra, India).
- 24) **Participated** in “National Conference on Recent Trends in Physical, Chemical and Nanoscience-.2017 (NCRT-PCNano-2017)” organized by Department of Physics and Department of Chemistry, Lal Bahadur Shastri College of Arts, Science and Commerce, Satara on 23rd January 2017
- 25) **Participated** in National Seminar on “Recent Trends in Nanomaterials and its Applications” organized by Vidnyan Mahavidyalaya, Sangola on 21st January 2017
- 26) **Participated**, National Conference on “Recent Trends in Nanomaterials, (NCRTN-2017)” organized by Department of Nanoscience and Technology, Yashvantrao Chavan Institute of Science, Satara, Maharashtra, India on 28th September 2017.
- 27) **Participated**, Two Day National Seminar on “Changing Paradigms of Social Movements” organized by Dept. of Political Science, Raje Ramrao Mahavidyalaya, Jath on 17-18th February 2017.
- 28) **Presented** a paper in International conference on Advances in Materials Science (ICAMS-2016) held at Dept. of Physics, Raje Ramrao Mahavidyalaya, Jath during 7-8th December 2016.
- 29) **Presented** a paper in International conference on Materials Science and Ionizing Radiation Safety and Awareness (ICMSTRSA-2016) held at Dept. of Physics, Shivaji University, Kolhapur during 28-30th January 2016.
- 30) **Participated** and presented paper in UGC sponsored two days National Seminar “Role of research in improvement of quality of teaching and learning in higher education” organized by Miraj College, Miraj on 9-10th October 2015.
- 31) **Participated** in workshop on revised practical syllabus of B.Sc.III organized by

- Dept of Physics, Y. C. Institute of Science, Satara on 28th August 2015.
- 32) **Participated** in one day workshop on B.Sc.-III (Sem-V) revised syllabus organized by Y. C. Warana college, Warananagar on 22nd August 2015.
 - 33) **Presented paper** (oral) at “National level conference on material synthesis for device level applications (MSDLA-2015)” organized by Dept. of Physics, R. P. College, Osmanabad during 29-30th January 2015.
 - 34) **Presented paper** in “National seminar on recent trends in nanomaterials and their applications” organized by Dept. of Physics and Chemistry, Sangola college, Sangola, Dist: Solapur during 23-24th January 2015.
 - 35) **Presented paper** in “National conference on Nanomaterials and nanomaterials based devices” organized by Dept. of Physics, D.K.A.S.C. college, Ichalkaranji (Kolhapur) during 23-24th December 2014.
 - 36) **Presented paper** in “2nd International conference on physics of materials and materials based device fabrication (ICPM-MDF-2014)” organized by Dept. of Physics, Shivaji University, Kolhapur during 13-15th January 2014.
 - 37) **Participated** in one day national seminar organized by SUTA on 6th October 2013 at Kolhapur.
 - 38) **Presented paper** in “National conference on Frontiers in chemical and biological sciences (FCBS-2013)” during 23-24th September 2013 at P.D.V.P. College Tasgaon (Sangli).
 - 39) **Participated** in One day workshop attended for B.Sc.-I (Semester II) revised syllabus at K.W.C. college, Sangli on 13th September 2013.
 - 40) **Participated** in One day workshop on revised syllabus of physics (B.Sc.-I, Sem-I) held on 12th August 2013.
 - 41) **Participated** in One day workshop on “Nanomaterials synthesis, properties and applications” held on 07th March 2013 organized by Dept. of Physics, P.V.P.Mahavidyalaya, Kavathe Mahankal.
 - 42) **Participated** in One day workshop on revised syllabus of physics (B.Sc.-III, Sem-VI) held on 10th August 2012 at P.D.V.P. College, Tasgaon.
 - 43) **Participated** in One day workshop on revised syllabus of physics (B.Sc.-III, Sem-V) held on 04th August 2012 at S.M.Dr. Bapuji Salunkhe College, Miraj.
 - 44) **Participated** and presented paper in “First international conference of Physics of Materials and materials devices” during 17-19th January 2012 at Shivaji University, Kolhapur.

- 45) **Participated** and presented poster in National seminar on “Physics and Materials and Materials based device fabrication” organized by Dept. of Physics, Shivaji University, Kolhapur during 17-18th February 2011.
- 46) **Participated** and presented a paper in “National Seminar (NSPNA-2009) on preparation of Nano materials and their applications” during 20-22nd February 2010 organized by Arts, Science, and Commerce College, Nandgaon (Nashik).
- 47) **Participated** and presented poster in “National seminar on advanced material” during 19-20th March 2010 at Dept. of Physics, Shivaji University, Kolhapur.
- 48) **Participated** and presented poster in National conference on “Recent trends in Harnessing by Conventional Energy Sources” organized by Vivekanand college and D. Y. Patil University, Kolhapur during 15-16th December 2010.
- 49) **Participated** and presented poster in “National conference on commercialization of renewable energy technology (CRET-2009)” during 21-23rd October 2009 at D. Y. Patil University, Kolhapur.
- 50) **Participated** and presented poster on research article in “International conference on Nano Materials and applications (ICNAMA-2008)” during 9-10th December 2008 at Shivaji University, Kolhapur.
- 51) **Participated** and presented poster on research article in National seminar on “New horizons in physics” during 20-21st January 2007 at Y. C. Institute of Science, Satara.
- 52) **Participated** and presented poster on research article in “Materials research society of India (MRSI-AGM-2007)” during 12-14th February 2007 at National Physical Laboratory, New Delhi.
- 53) **Participated** and presented paper “Campaign on University by Research Training (Court-2006)” during 6-7th October 2006 at Shivaji University, Kolhapur.
- 54) **Participated** in “National seminar on material processing and characterizing technique, NS-MPCT-05” during 28-29th March 2005, at Dept. of Physics, Shivaji University, Kolhapur.
- 55) **Participated** in National workshop on “Analytical instrumental technique” during 29th November to 3rd December 2005 at Shivaji University, Kolhapur.
- 56) **Participated** in “Workshop for science teachers” of Shri Swami Vivekanand Shikshan Sanstha, Kolhapur organized by S. M. Dr. Bapuji Salunkhe Mahavidyalaya, Miraj on 17th October 2004.
- 57) **Participated** in “International workshop on physics of semiconductor devices”,

during 10-16th December 2001 at I.I.T. New Delhi.

I hereby declare that all the information given above is correct to the best of my knowledge.



Dr. Appasaheb K. Bhosale

Date: 22 January, 2022
