

CURRICULUM VITAE

Dr. Appasaheb Kundalik Bhosale



1. **Name** :- Dr. Appasaheb Kundalik Bhosale
2. **Name of College** :- Raje Ramrao College, Jath
3. **Official Address** :- Dept. of Physics, Raje Ramrao College, Jath,

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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** :- 01/01/1997
9. **Designation** :- Assistant Professor
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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
3.	M.Sc.	Shivaji University, Kolhapur	Physics	1990	II
4.	B.Sc.	Shivaji University, Kolhapur	Physics	1988	I
5.	H.S.C.	Pune Board	Marathi, Eng, Che, Phy, Maths, Bio.	1985	I
6.	S.S.C.	Pune Board	All Subject	1983	I
7.	MS-CIT	Technical Board	Computer	2005	I

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”

2. International Research Publications: (05)

- 1) “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:2.5)
- 2) “Synthesis and characterization of spray pyrolyzed nano crystalline CeO₂-SiO₂ thin films as passive counter electrodes”, Solar energy material and solar cells, (2010) doi:10.1016/j.solmat.2009-12-024. (Impact Factor:2.788)
- 3) “Synthesis and characterization of highly stable optically passive electrode CeO₂-ZrO₂ in electrochemical device”, Electrochemical Acta, 55 (2010) 1900-1906. (Impact Factor:3.07)
- 4) “Enhanced optical modulation due to SPR in gold nano particles embedded WO₃ thin films”, Journal of Alloys and Compounds, 509 (2011) 1729-1733.
- 5) “Spray deposited CeO₂-TiO₂ counter electrode for electrochromic devices”, Bulletin of Materials Science, dated 02/04/2015.

3. International Conference / Workshop / Refresher course / Seminar etc:

- 1) Participated in “International workshop on physics of semiconductor devices”, during 10-16th December 2001 at I.I.T. New Delhi.
- 2) 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.
- 3) Completed Refresher Course with ‘A’ grade organized by Dept. of Physics, Shivaji University, Kolhapur during 17th November 2003 to 8th December 2003.
- 4) 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.
- 5) Participated in National workshop on “Analytical instrumental technique” during 29th November to 3rd December 2005 at Shivaji University, Kolhapur.
- 6) Completed Refresher Course on “Advantages of nuclear Physics” with Grade

- “A” in Goa University, during 6-28th June 2006.
- 7) Completed Refresher Course with Grade “A” in Savitribai Phule Pune University, Pune during 2-22nd July 2015.
 - 8) Participated and presented paper “Campaign on University by Research Training (Court-2006)” during 6-7th October 2006 at Shivaji University, Kolhapur.
 - 9) 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.
 - 10) 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.
 - 11) Completed Refresher Course with ‘A’ grade in “Experimental Techniques” organized by Mumbai University during 18th November 2007 to 3rd December 2007.
 - 12) 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.
 - 13) 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.
 - 14) 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).
 - 15) Participated and presented poster in “National seminar on advanced material” during 19-20th March 2010 at Dept. of Physics, Shivaji University, Kolhapur.
 - 16) 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.
 - 17) 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.
 - 18) Participated in one day national seminar organized by SUTA on 6th October 2013 at Kolhapur.
 - 19) 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.
- 20) One day workshop attended for B.Sc.-I (Semester II) revised syllabus at K.W.C. college, Sangli on 13th September 2013.
 - 21) Participated and presented paper in “First international conference of Physics of Materials and materials devices” during 17-19th January 2012 at Shivaji University, Kolhapur.
 - 22) 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.
 - 23) 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.
 - 24) One day workshop on revised syllabus of physics (B.Sc.-I, Sem-I) held on 12th August 2013.
 - 25) 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.
 - 26) 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).
 - 27) 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.
 - 28) 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.
 - 29) 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.
 - 30) 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.
 - 31) Participated in one day workshop on B.Sc.-III (Sem-V) revised syllabus organized by Y.C.Warana college, Warananagar on 22nd August 2015.
 - 32) 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.

- 33) 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.
- 34) Participated and presented paper in UGC sponsored two days National Seminar organized by Miraj College, Miraj on 9-10th October 2015.
- 35) Presented a paper in International conference ICMSTRSA-2016 held at Dept. of Physics, Shivaji University, Kolhapur during 28-30th January 2016.

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

Dr. Appasaheb K. Bhosale

Date: 29 / 07 / 2016
