

MR. DHANWATE SAHEBRAO VITTHAL
M.Sc., M.Phil.

Associate Professor and Head Department of Physics
Swami Muktanand College of Science, Yeola - 423 401.
Dist : Nasik (MS) India.



Cell No : +919822181770

Email:dhanwatesv67@rediffmail.com

NATIONALITY AND DATE OF BIRTH : Indian, December 31, 1967**EDUCATIONAL QUALIFICATIONS** :

Sr. No.	Examination	Board/ University	Year of Passing
1.	S.S.C. (general)	Pune	1983
2.	H.S.C. (Science)	Pune	1986
3.	B.Sc. (Physics)	Pune	1989
4.	M.Sc. (Physics)	Pune	1991
5.	M. Phil. (Physics)	Madhurai Kamraj University	2008

TEACHING EXPERIENCE : ABOVE 28 YEARS

Sr.	Date of Appointment	Type of Appointment	Period	Approved No.
1.	25.09.1991 to 24.03.1992	Temporary	6 Months	CCO/184 30.01.1992
2.	25.03.1992 to End of Academic Year	Temporary	6 Months	CCO/805 09.04.92
3.	07.07.1992 to End of Academic Year	Regular	Onwards	CCO/2356 08.11.1992
4.	12.08.1993	Regular	Onwards	CCO/57 08.01.1994
5.	Joining Date 05.08.1993	Regular	--	SC/38/93.94 05.08.1993
7.	Confirmation Date 11.08.1995	Regular	--	3/94-95 24.05.1995

Teaching Experience

Worked as lecture in physics from 25.09.1991 to 21.08. 1998 , Swami Muktanand college of science Yeola (Nashik), India

Worked as senior lecture in physics from 22.08.1998 to 31.12. 2005 , Swami Muktanand college of science Yeola (Nashik), India

Working as Associate Professor in Department of physics from from 01.01.2006 , Swami Muktanand college of science Yeola (Nashik), India

Subject Taught:

- 1 Classical Mechanics
- 2 Statistical Mechanics
- 3 Atomic and Molecular Physics
- 4 Nuclear Physics
- 5 Heat and Thermodynamics
- 6 Optics
- 7 Mathematical Physics
- 8 Waves and Oscillation
- 9 Computational Physics
- 10 Instrumentation Physics

ACADEMIC ADMINISTRATIVE :

Sr.	Designation	Name of Past College/Institute	Duration	Total Period
1.	Head of The Department of Physics	S.M. College of Science, Yeola, Dist: Nashik	1991 to 1999 And 2013 to onwards	14 years
2.	Member of Local Managing Committee	S.M. College of Science, Yeola, Dist:Nashik	1997 to 2002	5 years.

ORIENTATION / REFRESHER COURSE ATTENDED:

Sr.	Orientation/ Refresher	Name of Institute	Date	Duration
1.	Orientation Course	Academic Staff College, University of Pune	05.07.1996 to 01.08.1996	28 days.
2.	Refresher Course	K.T. H.M. College, Nasik-2	27.03.2007 to 16.04.2007	21 Days
3	Refresher Course	Academic Staff College, H. P. University, Shimla	23 .04. 2012 to 12 .05. 2012	21 Days
4	Refresher Course	Academic Staff College, Rani Durgavati University Jabalpur	11 .02 . 2013 to 28 .02 . 2013	21 Days

Research Experience :

- **List of Publications**

(Project, Research Papers, Conferences,)

- **List of research project (completed/ going on)**

Project Title "Synthesis and physico - chemical properties of Cu-In-Se" is completed

Funding Amount: **Rs. 130000/-**

Funding Agency: Board of College and University Development (BCUD) University of Pune, India

Papers Published / Accepted to the cited Journals and Proceeding (04)

International Journals

2009 (No. of Papers - 03)

1. **S.V. Dhanwate**, P.D. Mapari, "To study effect of Temperature on ultra thin films of cdSe by Electro deposition technique on mirror glass substrate in non aqueous bath solution," material science Research, India Vol.6 (2), 401- 405 (2009).
2. P.D. Mapari, A.B. Gite, **S.V. Dhanwate**, R.S. Dhake, V.S. Khairnar, "To study the optical and structural properties of Cadmium oxide (CdO) thin film by

Electrodeposition method on stainless steel substrate," Material science Research India ,Vol.6(2), 443-446 (2009).

3. Prakash D. Mapari, **S.V. Dhanwate**, V.G.Wagh and S.S. kale, "Properties of pulsed Electro deposited cdSe thin film of fluorine –tin- oxide (FTO) coated glass using aqueous bath," Material Science Research India,Vol.6(2), 491- 495 (2009).

2010 (No. of Papers - 01)

1. **S. V. Dhanwate**, P. D. Mapari and S. S. Kale, "To study Copper Indium diselenide thin films on the microscopic slide glass substrate by using chemical bath deposition technique," Material Science Research India. Vol.7 (1), 405- 410 (2010).

2018 (No. of Papers- 01)

1. **S. V. Dhanwate**, A. V. Kokate and H. R. Kulkarni, " Optimization of Preparative Parameters for the Electrode Position of CdSe Films for Photo electrochemical Solar Cell Applications"International Research Journal of Science and Engineering 2018, Special Issue A 2 : 89 – 93
2. **S. V. Dhanwate**, , "Comparative study of Noise pollution level in Yeola and Manmad towns belonging in Nashik District during Normal Days "International Research Journal of Science and Engineering 2018, Special Issue A 4 : 81 – 85

Paper presented / Accepted at National and International Conferences Seminars/symposia

1. Presented a Paper (Oral) entitled"**Developing Scientific Temper through Curriculum**" Ist National Teachers Science Conference and Theme Symposium on Scientific Temper Through Innovative. National Council for Science and Technology communication (DST), Govt. of India, Barkatulla University, Bhopal, September 9 to 12, 2003.
2. Attended -3 Days National level Conference on " **Carrier Opportunities in Physics**" **National Seminar on Physics Education, Basic Research and New Technologies IPAS - 2003**," Indian Physics Association in Collaboration with Homi Bhabha Centre for Science Education (TIFR) and Indian Institute of Technology Bombay. Bhabha Atomic Research Centre, Mumbai, November 6 to8 , 2003.

2006 (No. of paper- 01)

3. Presented a Paper (Oral) entitled"**Innovation in Teaching Physical Science & Computer Aided Teaching**," IInd National Teacher's Science Conference and Theme Symposium Innovative methods in Teaching Physical Sciences, Karnataka Rajya

- Vighyna Parishat and National Council for Science and Technology communication DST, Govt. of India, Regional Institute of Education, NCERT, Mysore, January 27-30, 2006.
4. Attended -1 Day Workshop on “ **Use of Computer Simulations & Information Technology for Physics teaching at UG level**” Department of Physics, ASC College , Saikheda Tal. Niphad, Nashik District (M.S.), December 18, 2006.
 - 5 **S. V. Dhanwate, S.S. Kale, H.M. Pathan and Oh-shim joo "Synthesis and properties of Copper Zink Telluride Composite Thin Films,”** International Conference on Advanced Materials and Applications (ICAMA) 2007 Dept. of Physics, Shivaji University, Kolhapur November 15 to 17 , 2007.
 6. Attended -1 Day Workshop on “ **AVISHKAR**” , Organized by H.P.T Arts and R.Y.K. Science College , Nashik (M.S), August 12, 2008.
 7. Presented a Paper in the form of Poster Presentation on "**Optical, structural and Electrical properties of Chemically Deposited copper Indian Selenide Thin films at Room Temperature**" 96th Indian Science Congress, North Eastern Hill University, Shillong, January 3 to 7, 2009.
 8. Presented a Paper in the form of Poster Presentation on “ **Preparation and properties of Electro deposited Copper Indian Selenide Thin films**" 96th Indian Science Congress, North Eastern Hill University, Shillong, January 3 to 7, 2009.
 9. Presented a Paper(Oral) entitled "**Assessment of Noise Level in Nashik City Maharashtra**", Theme Symposium on present Scenario of Environmental pollution and its Effect on Living organisms, 4th National Conference of National Environmentalists Association, Govt. College of Arts and Science, Aurangabad, December 9 to 11, 2009.
 10. Presented a Paper(Oral) in the form of Poster Presentation on "**Structural, optical and Electrical properties of Chemically Deposited Indium Doped copper selenide Thin films**" 97th Indian Science Congress, University of Kerla, Thiruvananthapuram. January 03 to 07 2010.
 11. Presented a Paper(Oral) entitled "**Synthesis and Characterization of post annealed Indium Doped copper selenide films deposited by chemical bath deposition method**" State Level Seminar on Advances in Science and Technology of

- Nanomaterials (AISATON-2010). S.G.Patil ASC College Sakri Dist.Dhule (India). March 08 to 09 , 2010.
12. Presented a Paper(Oral) entitled "**Chemical Bath Deposition of Polycrystalline Cadmium Telluride Thin Films**" State Level Seminar on Advances in Science and Technology of Nanomaterials (AISATON-2010). S.G.Patil ASC College Sakri Dist.Dhule (India). March, 08 to 09, 2010.
 - 13 Presented a Paper(Oral) entitled "**Physico Chemical Properties of Cu-In-Se**", INNOVATION 2009, at N.A.C. Science College Ahmednagar , December,9 to 10 , 2010.
 14. Participated in 2 – Days State level workshop on "**Computer Interfaced physics Experiment for UG Physics Practicals**", Department of Physics, Ahmednagar College , Ahmednagar, January 7 to 8, 2011.
 15. . Participated in 3 – Days National Level Seminar on "**Applications of Electronics in Astronomy and Astrophysics**"organized by Department of Electronic Science , K.T.H.M. College , Nashik, March 28 -30 ,2013.
 16. Participated in 2 – Days National Level Seminar on "**Roll of Stakeholders for Quality Enhancement in Higher Education**" organized by Shivaji College Kannad, Dist. Aurangabad (M.S.), October 8 to 9, 2013.
 17. Presented a Paper(Oral) in 3 Days National Level Conference entitled "**Effect of Annealing on Properties of Electro chemically Deposited CdSe thin films.**" Organized by Department of Physics, K.T.H.M. College, Nashik. (M. S.) , October 21 to 23, 2013.
 18. Participated in One Day workshop on the **Second Year B.Sc. Physics Syllabus Revision**, Organized by Department of Physics, ASC , College , Ozar (Mig) , Nashik (M.S.) March 1st,2014.
 19. Presented a Paper(Oral) in 2 Days State Level Conference entitled "**To study CuInSe₂ thin films on non conducting Microscopic glass using chemical bath deposition techniques**" , Organized by Department of Physics, ASC , College , Ozar (Mig) , Nashik (M.S.), March 21 to 22 2014.
 20. Presented a Paper (oral) in 5 Days Inter National Level Conference entitled "**Structural, Optical and Electrical Properties of CuInSe₂ Thin Films**" Organized by 103rd Indian Science Congress Association , University of Mysore, Mysuru, January 3 to 7, 2016.

21. Participated 3 Days National level 1st National Teacher 's Congress , Pune ,India .
September 23 to 25 , 2016.
22. Presented a Paper (oral) in 2 Days National Level Conference entitled “ **Studies on physical properties of CdSe thin films prepared by electro deposition technique on mirror glass substrate** “ organized by Department of Physics, SPSJ Science College, Chandwad, Dist. Nashik. (M. S.), October 16 to 17, 2016.
23. Participated one Day State level workshop on “ **Importance of National Assessment & Accreditation** “ organized by Savitribai Phule Pune University, Pune. November 30, 2016.
24. Presented a paper (oral) in 2 Day State level workshop on “ **Waste Management** “ Orgnized by Department of Physics, Bhonsala Military College, Nashik, December 16 to 17, 2016.
25. Invited as judge for observing and examining Poster for 2 Day State levelworkshop on “ **Waste Management** “ Orgnized by Department of Physics, Bhonsala Military College, Nashik, December 16 to 17, 2016.
26. Presented a Paper (oral) in 5 Days Inter national Level Conference entitled “ **To study CuInSe₂ thin films on conducting mirror glass using chemical bath deposition techniques**” , 104th Indian Science Congress Association held at S. V. University, Tirupati , January 3 to 7, 2017.
27. Attended one Day workshop on “ **AVISHKAR**”, organized by SPPU, Pune , at KTHM College , Nashik, Sept. 28, 2017.
28. Presented a Paper (Oral) in 2 days State level conference entitled “ **Optimization of Preparative Parameters for the Electrodeposition of CdSe Films for Photo electrochemical Solar Cell Applications**” in “ **Advanced Methods for Material Characterization**”. Organized by Department of Physics, Hon. B. J. Arts, Commerce and Science College, Ale. Dist. Pune , India. January 5 and 6, 2018.
29. Presented a Paper (Oral) in 2 days International Conference entitled “ **Advanced Functional Materials (ICAFM- 2018)**” , Organized by KTHM College , Nashik, India, January 12 and 13, 2018.

30. Presented a Paper (Oral) in 2 Days National Conference entitled “Comparative study of Noise pollution level in Yeola and Manmad towns belonging in Nashik District during Normal Days (NCREE- 2018)”. Organized by K. J. Somaiya College of Arts Commerce and Science, Kopergaon , India. January 19 and 20 ,2018.
31. Presented a Paper (Oral) in 2 Days State level Conference entitled “ Optimization of Preparative Parameters for the Electrode position of CdSe films for Solar Cell Application. “ Recent Trends in Chemical Sciences, Organized by Annasaheb Waghire Science , Arts and Commerce College, Otur, Dist. Pune, India. February 7 and 8, 2018.
32. Invited as chair person for 2 Days State level Conference on Recent Trends in Chemical Sciences, Organized by Annasaheb Waghire Science , Arts and Commerce College, Otur, Dist. Pune, India. February 7 and 8, 2018.
33. Presented a Paper (Oral) in 2 days International Conference entitled “ New Trends in Nanotechnology (ICNTN-2018)” , Organized by Dept. of Physics, ASC College, Indapur, Dist. Pune, India. February 26 and 27, 2018
34. Attended one Day workshop on “ **AVISHKAR**”, organized by SPPU, Pune , Sept. 14, 2018
35. **List of students guided for AVISHAKAR under BCUD scheme**
 1. one (T.Y.B.Sc. Physics), student completed project under my guidance
(general Physics): entitled of **Water pump without electric power** (2008-2009)
 2. one (T.Y.B.Sc. Physics), student completed project under my guidance
(Material Science): entitled of **Chemical bath deposition of polycrystalline copper Indium Selenide thin films** (2008-2009)
 3. Two (T.Y.B.Sc. Physics), students completed project under my guidance
(Environmental Science): entitled of **Comparative study of noise pollution level in Yeola and Manmad towns during normal days.** (2009-2010)
 4. Two (S.Y.B.Sc. Physics), students completed project under my guidance .
(Material Science) : entitled of **Studies on chemical deposition of CdNiSe thin film for solar cell applications.** (2010-2011)

Member in Various Committees (2017-2018) :

1. Member of NAAC committee in college
2. Member of IQAC committee in college
3. Member of purchasing committee at college level

Co Curricular Duties (2017-2018):

1. Appointed as Chair Person of Academic Research Coordinator in College

Additional Duties (2017-2018)

1. Appointed as a coordinator of Nashik District for conduct, T. Y. B.Sc. Physics Practical Examination March 2018 , under Savitribai Phule Pune University, Pune
2. Appointed as a Paper Setter and Examiner and moderator of UG level Examination , March 2018.
3. Appointed as External / Internal Examiner for conduct F. Y. /S. Y./T.Y. B.Sc. Physics Practical Examination at various colleges in Nashik District Under S. P. Pune University, Pune
4. Appointed as External senior supervisor for conduct U.G. /P. G level Examination at various colleges in Nashik District Under S. P. Pune University, Pune

Appointed as a Paper Setter and Examiner for PG level Examination , at Sandip University Nashik,

EXTRA CO CURRICULAR ACTIVITIES

- : 1) Life Member of Indian Physics Association.
2) Life member of Indian Science Congress Association.
3) Life member of Navrang Sarvjanik Vachnalaya, Panchvati, Nashik
4) Life member of Sarvjanik Vachnalaya, Nashik

Signature

Date

Place : Yeola