

RESUME



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Qualification: Ph.D., M.Sc. Physics (Photonics) (CSIR-NET-JRF/ GATE /BARC)

• Teaching Experience

- Two-year teaching experience in Physics for both PG and UG at Department of Physics, Rajarshi Shahu Mahavidyalaya, Latur on Contractual basis.
- Seven-year teaching experience in Physics for UG at Department of Physics, Shri Vyankatesh Arts, Commerce and Science College, Deulgaon Raja.
- Worked as Head of Department of Physics, Shri Vyankatesh Arts, Commerce and Science College, Deulgaon Raja.

• Research Experience

- Two-year research experience as CSIR-Fellow at Department of Physics, Rajarshi Shahu Mahavidyalaya, Latur.

• Conferences /Workshops/Webinar/ FDP/Refresher/Orientations Attended

1. Participated in national conferences on *"Recent trend in physics and laser technology,"* organized by College of Computer science & Information Technology, Vasantnagar (28-29 August, 2009).
2. Participated in the national conferences on *"Physics of Materials and Photonics devices,"* organized by Department of Physics, Electronics and Photonics, RSM, Latur (16-17March, 2012).
3. Participated in the one-day workshops on *"Research Methodology,"* organized by Bhai Kishanrao Deshmukh, college chakur. (31 March, 2015).
4. Participated in the one-day workshops on *"Plagiarism,"* organized by Sub-center, SRTMU, Latur (16-17March, 2012).

5. Participated in the two-day's workshop on "*Patent Drafting*" held on 26-27 Aug 2016, at Venture Centre, Pune
6. Participated in the national conferences on "*Physics of Materials and Photonics devices*", organized by Department of Physics, Electronics and Photonics, Latur (16-17 March, 2012).
7. Participated and presented paper in one day national conference on "Recent Trends in synthesis and characterization of Futuristic Material in science for development of society" organized by Department of Physics, Sakharkherda.
8. Successfully completed four-week orientation program organized by Teaching learning centre, Ramanujan College, University of Delhi from 4 June to 1 July 2020.
9. Successfully completed two Week interdisciplinary Refresher course on "Advanced Research Methodology Tools and Techniques" organized by Teaching learning centre, Ramanujan College, University of Delhi from 15-30 April 2021.
10. Successfully completed National Level FDP on "Material Characterization Techniques" organized by Indian Association of Physics under DBT Scheme from dated 2-6 March 2021.
11. Successfully completed one Week National Level, FDP on "G suite & Allied tools in Education, teaching and E-content development" organized by P.G. department of computer science & Engineering SGBAU, Amaravati from dated 29 June- 04 July 2020.
12. Successfully completed seven days short term training program "Recent advances in Industrial Robotics & Applications" organized by Shree Ramchandra college of Engineering, Pune from dated 08 March to 13 March 2021.
13. Successfully completed five days online FDP on "Photonics" organized by AICTE training and Learning Academy from dated 3-7 Nov. 2020.
14. Successfully completed five days Online Faculty Development Program (FDP) on "Sophisticated Analytical Instruments: Principles and Applications to Chemical and Material Sciences" organized by Department of Chemical Engineering and Engineering Sciences, Sinhgad College of Engineering, Pune scheduled during 21-25 July 2020.
15. Successfully completed one week FDP on "Recent Advances in Mathematics & Statistics" department of Mathematics, GITAM University Vishakhapatnam during 3-8 August 2020.

16. Successfully completed UGC (Paramarsh) sponsored Online FDP on “ICT in Teaching & Evaluation” organized by MSP Mandal’s Shri Shivaji College, Parbhani (Maharashtra) during 13th July – 18th July 2020.
17. Successfully completed one Week Faculty Development Programme on 'Improving Teaching Learning Experience using Best Practices' organized by Dwarkadas J. Sanghvi College of Engineering, Mumbai held online from 15th June 2020 to 19th June 2020.
18. Successfully completed one Week Pedagogical Training for Teachers on Tools for Online Teaching Learning and Evaluation, from 1st July to 6th July 2020, organized by School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded.
19. Successfully completed six FDP on “Educational video creation i.e. E-content development for teachers” organized by Rajarshi Chhatrapati Shahu College, Kolhapur during period 22 to 27 July 2020.
20. Successfully completed one-week online Faculty Development Program on “Geographic Information System” from 22nd to 26th June 2020, Organized by Department of Civil Engineering, Bapurao Deshmukh College of Engineering, Sevagram, Wardha.
21. Successfully completed two-week Refresher Course organized by Teaching learning centre, Ramanujan College, University of Delhi from 27 October-10 November 2021.
22. Successfully completed one Week Virtual International Level FDP on “Research Methodology” organized by Kamala Nehru Mahavidyalaya, Nagpur under DBT Scheme from dated 2-7 May 2022.
23. Successfully completed seven Days Workshop on Innovative Tools for Online Teaching Learning & Assessment” organized by Ghg Khalsa College of Education Gurusar Sadhar, Ludhiana (Under Paramarash Scheme of UGC) from dated September 15 - 22, 2021.
24. Attained webinar on “Applications and Perspectives of Chalcogenide Glasses in Electronics and Optoelectronics” Departments of Physics, School of Basic and Applied Sciences, Harcourt Butler Technical University Kanpur, India on September-28, 2021.
25. Attained webinar on “Research Ethics & Patent Filing” organised by Amolakchand Mahavidyalaya, Yavatmal on 27th Jan 2022.
26. Attained conference on “Recent Advances in material Sciences and Nano-technology” organized by G.S. Tompe College, Chandur Bazar on dated 12-14 May 2022.

27. Successfully completed the programme MS-DEED Level 1 online workshop on introduction to innovative pedagogies for UG teachers from 27/01/2022 to 29/01/2022 at IISER, Pune.
28. Participated in one day workshop on CBCS-NEP Executors training Program organized by Sant Gadge Baba Amravati University, Amravati and S.V.Arts, Commerce and Science College, Deulgaon Raja 17 September, 2022.
29. Successfully completed the NEP 2020 Orientation & Sensitization Programme under the Malaviya Mission Teacher Training Programme (MM-TTP) of the University Grants Commission (UGC) Organized by UGC-Malaviya Mission Teacher Training Centre, Sant Gadge Baba Amravati University, Amravati (Maharashtra) from 18th December, 2023 to 27th December, 2023.
30. Participated and Presented paper in the international e-conferences on “Recent Trends in Material Sciences”, organized by Department of Physics & Electronics, Shri Shivaji College, Parbhani 27th February 2024).
31. Participated and Presented paper in the international conferences on “LACANA” organized by Department of Physics & Mathematics, Gayatri Vidya Parishad College of Engineering, Vishakhapatnam from 13th to 17th March 2024).

- **Life Member**

- The Indian Science Congress Association, India
- All India Physics Association, India
- Amravati University Physics Teachers' Association

- **Patent**

- Granted a patent on “A Trivalent Terbium Activated $\text{Sr}_2(\text{Bo}_3)$ Cl Green Light Emitting Phosphor Compound for Solid State Lighting and A Method for Synthesizing the Compound” by Australian Government.

- **Book Published**

- A Textbook of B.Sc. Second year course in Physics Semester-IV

- **Area of Research:** Thin films Photovoltaics, Material Science, Solar Cells, Sensors.

Research Papers Publications

Sr. No.	Name of Authors	Name of Corresponding / Principal author	Title of the Paper	Year of Publication, Name of Journal, Volume & Page Nos.	ISBN/ ISSN No	Volume No. Year	Impact Factor
1	A. D. Kanwate, M.A. Barote	A. D. Kanwate	Synthesis and Characterization of ZnS thin film by Spray pyrolysis techniques. Page No. 171-173	Printing Area	ISSN: 2394-5303	Vol.-06 April-2018	5.01
2	A. D. Kanwate, S.J. Chavhan	S.J. Chavhan	History and Applications of Matrix in Engineering Page No. 171-173	Vidyawarta Publication	ISSN: 2319-9318	Vol.-02 March-2018	5.1
3	Arvind D. Kanwate, E. U. Masumdar	A. D. Kanwate	Structural, Morphological and Compositional Characterization of Spray Deposited CdSe _{0.5} Te _{0.5} Thin Film. Page No. 171-173	Edu World	ISSN: 2319-7129	Vol.-12 March-2018	--
4	A. D. Kanwate, M.A. Barote E. U. Masumdar	M.A. Barote	Thickness-Dependent Photoelectrochemical Solar Cell Characterization of Cd _{0.825} Pb _{0.175} S Thin Films. Page No. 171-173	International Journal of Scientific Research in Science and Technology	ISSN: 2394-5303	Vol.-04 Feb.-2018	8.62
5	A.D. Kanwate, E.U. Masumdar	A. D. Kanwate	Synthesis and Structural Characterization of CdSe Thin Film by Homemade Spray Pyrolysis Technique. Page No. 242-245	'RESEARCH JOURNEY' International E-Research Journal	ISSN: 2348-7143	Feb.-2019	6.26
6	A. D. Kanwate, E. U. Masumdar	A. D. Kanwate	Effect of temperature on ZnS thin film by Chemical Spray Pyrolysis Technique. Page No. 509-514	International Journal of Research and Analytical Reviews	E-ISSN 2348-1269, P- ISSN 2349-5138	Vol.-05 October-2018	7.17
7	A. D. Kanwate, E. U. Masumdar	A. D. Kanwate	Synthesis & Characterizations of Spray Pyrolysis Cadmium Telluride thin film. Page No. 163-167	Ajanata Publication	ISSN: 2277-5730	Vol.-8 June-2019	5.5
8	Arvind D. Kanwate, E. U. Masumdar	A. D. Kanwate	Synthesis, Structural & Optical Characterization of CdSe _{0.3} Te _{0.7} Thin Films by Homemade Spray Pyrolysis Technique. Page No. 694-697	IJARIE	ISSN(O)-2395-4396	Vol.-06 April-2020	2.42
9	Arvind D. Kanwate, E. U. Masumdar	A. D. Kanwate	Morphological And Electrical Properties of Spray Deposited CdSe _{0.3} Te _{0.7} Thin Film. Page No. 171-173	J. of the Maharaja Sayajirao Uni. of Baroda	ISSN: 0025-0422	Vol.-55 2021	--
10	A.D. Kanwate, E.U.Masumdar V.R. Panse, M. Syvajarvi, M. Kaur	A. D. Kanwate	Characterizations of Spray Deposited CdTe Thin Film Page No. 171-173	YMER	ISSN: 0044-0477	Vol.-20 2021	5.7
11	A.D. Kanwate V.R. Panse, E.U.Masumdar, E. K. Palupi	A. D. Kanwate	CdSe thin films prepared by the homemade and cost-effective spray pyrolysis technique. Page No. 171-173	J. Ferroelectrics Letters Section	Print ISSN: 0731-5171 Online ISSN: 1563-5228	Vol.-49 2022	0.96
12	A. D. Kanwate, L. H. Kathwate, V. R. Panse, A. Saregar, S. R. Choubey	A. D. Kanwate	Effect of thickness on structural, morphological, and optical properties of spray deposited CdSe _{0.3} Te _{0.7} thin films. Page No.	Journal of Materials Science: Materials in Electronics	ISSN: 1573-482	Vol.-34 Dec. 2023	2.4
13	A. D. Kanwate, L.H. Kathwate	A. D. Kanwate	Effect of Al-doping on Structural Properties of CDS Thin Film Prepared Via Chemical Bath Deposition Technique. Page No. 336-341	International Journal of Scientific Research in Science and Technology	ISSN: 2395-6011	Vol.-11 March-2024	7.5

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