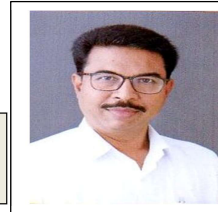


❖ PROFILE: DR. J. B. THORAT



1. PERSONAL DETAILS:

• Name in Full	:	Dr. JAYAVANT BHIMRAO THORAT
• Designation	:	Associate Professor & Head, Department of Physics, S.G.M. College, Karad.
• Email	:	jayavantthorat1565@gmail.com
• Mob. No.	:	9850914954, 8999779741
• Address for Correspondence	:	Department of Physics, Sadguru Gadage Maharaj College, Karad-415124.
• Residential Address	:	II Shri Ram Krupa II; Near Maya Regency; Krishna Canal; Goware Road; Vidyanagar- Saidapur; Karad-415124
• Date of Birth	:	01 st May 1965
• Date of Appointment in Sanstha	:	22/08/1988
• Date of Appointment in College	:	18/06/2019
• URLs	:	https://scholar.google.com/citations?user=4jEsHQIAAAA&hl=hi

2. ACADEMIC DETAILS:

Sr. No.	Degree Awarded	Board/University	Year of Passing	Principle Subject	Marks	Class
1	SSC	SSC Board, Pune	1981	All	62.57	I st Class
2	HSC	HSC Board, Pune	1983	All	52.00	II nd Class
3	B.Sc.	Shivaji University, Kolhapur	1986	Physics	67.14	I st Class Dist.
4	M.Sc.	Shivaji University, Kolhapur	1988	Physics	73.33	I st Class Dist.
5	Ph.D.	Shivaji University, Kolhapur	29 April 2019	Physics	-	-

- ❖ Title of Ph.D. Thesis: “Characterization of Electrodeposited Bi₂Te₃ And Sb₂Te₃ Thin Films”

3. RESEARCH SPECIALIZATION:

- ❖ Research Interest: Material Science, Thin Film, Electrodeposition.

4. TEACHING EXPERIENCE:

- UG: 32 Years
- PG: 04 Years

5. TEACHING EXPERIENCE DETAILS:

Sr. No.	Name of the College	University	Period of Service		Total Service
			From	To	
1	A.S.C. College, Lonand	Shivaji Uni. Kolhapur	11/07/1988	26/08/1992	4 Years
2	A.S.C. College, Malkapur	Shivaji Uni. Kolhapur	27/08/1992	31/08/1995	3 Years
3	M. Phule College, Pimpri-Pune	S. P. Pune Uni. Pune	01/09/1995	30/11/1995	3 Months
4	Dahiwadi College, Dahiwadi	Shivaji Uni. Kolhapur	01/12/1995	30/09/1996	10 Months
5	A.S.C. College, Pusegaon	Shivaji Uni. Kolhapur	01/10/1996	30/06/1998	2 Years
6	D.P.Bhosale College, Koregaon	Shivaji Uni. Kolhapur	01/07/1998	27/07/1998	1 Months
7	M. Phule College, Pimpri-Pune	S. P. Pune Uni. Pune	28/08/1998	30/11/1998	3 Months
8	S. P. College, Lonand	Shivaji Uni. Kolhapur	01/12/1998	16/06/2008	10 Years
9	A.S.C. College, Ramanandnagar	Shivaji Uni. Kolhapur	17/06/2008	17/06/2019	11 Years
10	S.G.M. College, Karad	Shivaji Uni. Kolhapur	18/06/2019	Onwards	-

6. RESEARCH GUIDANCE:

- M.Phil. - Nil
- Ph.D. - Nil
- M. Sc. Project Student : 20

7. ORIENTATION/ REFRESHER COURSES:

Sr. No.	Name of Courses	Date	organizers
1	Refresher Course in Physics	28 June -19 July 1993	Academic Staff College, Goa University, Goa
2	Refresher Course in Physics	23 July – 19 Aug 1997	Academic Staff College, University of Pune, Pune
3	Refresher Course in Physics	8-28 March 2002	Academic Staff College, Goa University, Goa
4	Refresher Course in Physics	4-24 Oct 2002	Academic Staff College, University of Pune, Pune

8. RESEARCH PUBLICATIONS:

- **National** : Nil
- **International** : 12

DETAILS OF RESEARCH PUBLICATIONS :

Sr. No.	Title of Research Publication	Year and details
1	Nanocrystalline Bi ₂ Te ₃ thin films synthesized by electrodeposition method for photoelectrochemical application., J B Thorat, SV Mohite, AA Bagade, TJ Shinde, VJ Fulari, KY Rajpure, Materials Science in Semiconductor Processing 79, 119-126.	Materials Science in Semiconductor Processing <u>Volume 79</u> , 1 June 2018, Pages 119-126 https://doi.org/10.1016/j.mssp.2018.02.002 ISSN: 1369-8001, Impact Factor: 2.722
2	Electrochemical and surface deformation studies on electrodeposited nanostructured Bi ₂ Te ₃ thin films. JB Thorat, SV Mohite, SB Madake, RD Suryavanshi, KY Rajpure, ... Optics & Laser Technology 113, 384-393	Optics & Laser Technology Volume 113, May 2019, Pages 384-393 https://doi.org/10.1016/j.optlastec.2019.01.008 ISSN: 0030-3992, Impact Factor: 3.319
3	Surface Deformation Study of the Electrodeposited Nanostructured Bi ₂ Te ₃ and Sb ₂ Te ₃ Thin Films by Double-Exposure Digital Holographic Interferometry. JB Thorat. Physica status solidi (a)	Physica status solidi (a): Applications and Material Science 19 July 2019: https://doi.org/10.1002/pssa.201800661 Print ISSN: 1862-6300, Impact Factor: 1.606
4	Nanocrystalline immobilised ZnO photocatalyst for degradation of benzoic acid and methyl blue dye. RD Suryavanshi, SV Mohite, AA Bagade, SK Shaikh, JB Thorat, Materials Research Bulletin 101, 324-333	Materials Research Bulletin Volume 101, May 2018, Pages 324-333 https://doi.org/10.1016/j.materresbull.2018.01.042 ISSN: 0025-5408, Impact Factor: 3.355
5	Spray deposited Fe ₂ O ₃ photoelectrode for degradation of benzoic acid and methyl blue dye under solar radiation. RD Suryavanshi, SV Mohite, SK Shaikh, JB Thorat, K.Y. Rajpure. Journal of Materials Science: Materials in Electronics 29 (24), 20875-20884	Journal of Materials Science: Materials in Electronics December 2018, Volume 29, <u>Issue 24</u> , pp 20875-20884 https://link.springer.com/journal/10854/29/24/page/1 .ISSN: 0957-4522 (print), Impact Factor2.195
6	Effect of La ³⁺ substitution on structural and magnetic parameters of Ni–Cu–Zn nano-ferrites. BB Patil, AD Pawar, DB Bhosale, JS Ghodake, JB Thorat, TJ Shinde Journal of Nanostructure in Chemistry, 1-10	Journal of Nanostructure in Chemistry June 2019, Volume 9, <u>Issue 2</u> , pp 119–128 DOI 10.1007/s40097-019-0302-0, ISSN2008-9244, Volume 9,Number 2 https://link.springer.com/article/10.1007/s40097-019-0302 , Print ISSN 2008-9244, Impact Factor 1.004
7	Physico-electrochemical investigation of electrodepositednanocrystalline Sb ₂ Te ₃ thin films. J. B. Thorat, S. V. Mohite, S. B. Madake, S. K. Shinde, D. S. Lee, J. Jung, K. Y. Rajpure, T. J. Shinde, V.J. Fulari & N. S. Shinde IJRAR-International Journal of Research and Analytical Reviews	IJRAR-International Journal of Research and Analytical Reviews International Conference on Advances in Pure and Applied SciencesICAPAS-2019. UGC Approved: 43602 eISSN 2348–1269, http://ijrar.com/ Print ISSN 2349-5138: Impact Factor: 5.75
8	X-RAY DIFFRACTION ANALYSIS OF Ni-Cu-Zn NANO-FERRITE SYNTHESIZED BYWET CHEMICAL ROUTE. B. B. Patil, A D. Pawar, D. B. Bhosale, S. V. Godase, J. S. Ghodake, J. B. Thorat & T. J. Shinde IJRAR-International Journal of Research and Analytical Reviews	IJRAR-International Journal of Research and Analytical Reviews International Conference on Advances in Pure and Applied SciencesICAPAS-2019. UGC Approved: 43602 eISSN 2348–1269, Print ISSN 2349-5138: http://ijrar.com/ Print ISSN 2349-5138: Impact Factor: 5.75

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9.	Effect of La ³⁺ substitution on structural and magnetic parameters of Ni–Cu–Zn nano-ferrites. B. B. Patil, A. D. Pawar, D. B. Bhosale, J. S. Ghodake, J. B. Thorat & T. J. Shinde Journal of Nanostructure in Chemistry June 2019, Volume 9, Issue 2, pp 119–128	J Nanostruct Chem (2019) 9:119-128 DOI 10.1007/s40097-019-0302-0, ISSN2008-9244, Volume 9, Number 2 Received: 28 February 2019 / Accepted: 24 April 2019 / Published online: 9 May 2019 Print ISSN 2349-5138
10	Nano-ferrite synthesized by microwave assisted technique, S. S. Barate, L. S. More, A. D. Pawar, S. S. Patil, S. V. Godase, S. R. Bhongale, J. B. Thorat, J. S. Ghodake, and T. J. Shinde, AIP Conference Proceedings 2265, 030152 (2020); https://doi.org/10.1063/5.0017630	AIP Conference Proceedings 2265, 030152 (2020); https://doi.org/10.1063/5.0017630
11.	Effect of electron beam irradiation on EIS and photoelectrochemical performance of electrodeposited nanocrystalline Bi ₂ Te ₃ thin films, J. B. Thorat, N. S. Harale, I. A. Dhole, S. K. Shinde, M. C. Rath, T. J. Shinde, N. S. Shinde, V. J. Fulari, (Just Accepted)	Journal of Materials Science: Materials in Electronics, Impact factor: 2.195 (2018) ISSN: 0957-4522 (print); 1573-482X (web)
12.	Chemiresistive gas sensing properties of copper substituted by Zn Ferrite thin films deposited by spray pyrolysis technique, Madake, M. R. Hartale, J. B. Thorat, R. S. Pednekar, K. Y. Rajpure Journal of Electronic Materials, (Just Accepted)	Journal of Electronic Materials, Impact factor: 1.676 (2018) Print ISSN 0361-5235

9. PAPERS PRESENTED/ATTENDED CONFERENCES/SEMINARS:

- National : 15
- International : 16

Sr. No.	Name of Conference National/International	Date	conference organizers
1	National conference on "Biotechnology in agro-industries and Environment	27 Dec 2002	ASC college Lonad
2	National conference on Energy Resources and Environments	28 Sept 203	S. M. Mahavidyala Khatav
3	National seminar on New Horizons in Physics	20-21 Jan 2007	Y. C. I. S. Satara
4	National seminar on Recent Developments and Measurements techniques in Astronomy and Astrophysics	16-17 Jan 2013	S. M. Mahavidyala, Khatav
5	National seminar on Applications on Solid State Materials	4-5 Dec 2009	S. P. College, Lonad
6	State level seminar on Astrophysics and Cosmology	10 Feb 2010	A.S.C.College, Ramanandnagar
7	National seminar on Solar Energy, Alternative Source of energy	1-2 Feb 2010	MJS College, Shrigonda
8	National Seminar on advanced Materials-2010	19-20 March 2010	Dept. of Physics, Shivaji Univ. Kolhapur
9	International Conference on Physics of Materials and Materials Based Device Fabrication	13-15 Jan 2015	Dept. of Physics, Shivaji Univ. Kolhapur
10	National seminar on Development in thin films and characterization techniques.	8-9- Oct 2012	Y. M. College, Pune

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11	International Conference on Challenges and opportunities before 21 century India in the fields of Social Sciences, Sciences, Management and Technology	6-7Feb 2016	R.C. S. College, Kolhapur
12	International Conference on Material Science and Ionizing radiation safety and awareness.	28-30 Jan 2016	Dept. of Physics, Shivaji Univ. Kolhapur
13	International Conference on Materials and Environmental Science	7-8 Dec 2018	S. Y. P. S. College Solankur
14	International Conference on applied Nanoscience and Nanotechnology	7-9 Dec 2017	T. C. College, Baramathi
15	National Conference on Recent Advances in Physics	23 Jan 2018	K. B. P. College, Islampur
16	International Conference on Nanotechnology addressing the conversion of Materials science, Biotechnology and Medical Science	9-11 Nov 2017	D. Y. Patil University, Kolhapur
17	National conference on Recent Trends in Nanomaterials	28 Sept 2017	Y. S. I. S. Satara
18	International Conference on Innovative research in science and Technology	7-8 Nov 2017	H. K. G. College, Kolhapur
19	4 th International Conference on Physics of Materials and Materials Based Device Fabrication	10-11 Jan 2019	Dept. of Physics, Shivaji Univ. Kolhapur
20	International Conference on Multifunctional and Hybrid Materials for Energy and Environment	29-31 Jan 2020	Y. S. I. S. Satara
21	4 th International Conference on Advances in Materials Sciences	20-21 Jan 2020	R. R. Mahavidyalaya Jath
22	International Conference on Advances in Pure and Applied Sciences	5-6 Jan 2019	Balwant College, Vita
23	International E-Conference on Cutting Edge Smart Materials & Nanotechnology	20-21 Aug 2020	S. G. M. College, Karad
24	International Webinar on "Recent Scenario in Energy Generation and Storage Technologies" (IWRSEGST-2020)	5 Sept 2020	Dahiwadi College Dahiwadi
25	National webinar on "Advances in Synthesis Techniques & Characterization of Materials"	24-29th June 2020	Tuljaram Chaturchand College, Baramati, Maharashtra.
26	International Web Conference on Advanced Material Science & Nanotechnology (NANOMAT-2020),	20-21st June 2020	Department of Physics, Vinayak Vidnyan Mahavidyalaya,
27	National e-Conference on Emerging trends in Physical Sciences	23-07-2020	Department of Physics, Arts, Science and Commerce College Ramanandnagar (Burli), Tal- Palus, Sangli
28	International Conference on Advanced Materials Science and Applications (Online)(ICAMSA-2020)	3-4 Sept 2020.	Department of Physics, Ramaiah Institute of Technology, Bangalore - 560054, Karnataka,
29	International web Seminar on "Novel Applications on Nanomaterials"	18 July 2020	Dr. N. D. Patil Mahavidyalaya Malkapur, Shahuwadi, Kolhapur, Maharashtra.
30	International Virtual Conference on Advanced Materials (IVCAM 2020)	21July 2020	Basavaprabhu Kore Arts, Science and Commerce College Chikodi, Karnataka.
31	National Webinar on "Learning Physics: Opportunities in Difficulties"	26 June 2020	D.B.F. Dayanand College, Solapur

10. WORKSHOPS ATTENDED:

Sr. No.	Name of Workshop	Date	organizers
1	Two days' workshop on B. Sc. Part-1 revised syllabus	24-25 Sept 2003	Dept. of Physics, Shivaji Univ. Kolhapur
2	Workshop on Draft Syllabus B. Sc. Part-2 Physics	20 Jan 2004	Sahajiraje College, Khatav
3	Workshop on B. Sc. Part-1 Physics, SEM – 2, revised syllabus	13 Sept 2013	K. W. C. Sangali
4	One Day workshop on revised syllabus of Physics (B. Sc. Part-III, SEM- V and SEM – VI)	21 Aug 2013	K. N. P. College, Walwa
5	State level workshop on Initial stages of Research and Research Mind-set	15 March 2013	Balwant College, Vita
6	One Day workshop on revised syllabus of Physics (B. Sc. Part-III, SEM – VI)	10 Aug 2012	P. D. V. P. College, Tasgoan
7	Workshop on revised Practical Syllabus on B. Sc. Part-III Physics	13 Aug 2012	B. D. College, Patan
8	One Day workshop on B. Sc. Part –III, (SEM –V) revised syllabus of Physics	22 Aug 2015	Y. C. W. Mahavidyalaya, Warnanagar
9	One Day workshop on revised syllabus of Physics (B. Sc. Part –III, SEM –V)	25 Aug 2015	K. N. P. College Walwa
10	One Day workshop on revised Practical Syllabus of (B. Sc. Part –III)	28 Aug 2015	Y. C. I. S. Satara
11	One Day workshop on Prime Ministers Fellowship Scheme for Doctoral Research	25 Nov 2016	D. Y. Patil University, Kolhapur
12	One Day workshop on New Changed Syllabus (CBCS) of B. Sc. Part- II Physics Practical	21 Aug 2019	Y. C. College of Science, Karad
13	One Day workshop on New Changed Syllabus (CBCS) of B. Sc. Part- II Physics	23 Aug 2019	ASC College, Ramanandnagar
14	One Day workshop on New Changed Syllabus (CBCS) of B. Sc. Part- II Physics, Paper- VII	11 Oct 2019	D. P. Bhosale College, Koregoan
15	One Day workshop on Revised B. Sc. Part –II CBCS Curriculum of Physics Paper- I	16 Sept 2019	R. C. S. College, Kolhapur
16	One Day workshop on B. Sc. Part – I Syllabus	31 July 2019	S. G. M. College, Karad
17	One Day workshop on M. Sc. Part – I Syllabus	31 July 2019	S. G. M. College, Karad
18	Two Days National seminar on Revised accreditation framework of NAAC; A Paradigm shift	4-5 Feb 2020	S. G. M. College, Karad
19	Two Days National workshop on ICT enabled innovative Pedagogy	17-18 Feb 2020	S. G. M. College, Karad
20	Two Days National workshop on Preparation of IIQA and SSR	14-15 March 2020	S. G. M. College, Karad
21	Two Days workshop on Teaching Methodology for Technical Subjects	30-31 July 2008	Rayat shikshan sanstha satara
	One Day workshop on Training for Nodal Officer (AISHE/MIS)	27 Aug 2015	Dr. Patangrao Kadam Mahavidyalaya, Sangli
22	One Day workshop on Training for Nodal Officer (AISHE/MIS)	3 Jan 2019	Shivaji Univ. Kolhapur
23	One Day workshop on Management of College Student Council Member	5 Oct 2012	S. R. N. P. Kanya Mahavidyalaya, Sangli
24	One Day workshop on Dynamic Administration for College Administrative Staff	12 March 2012	A. S. C. College, Ramanadnagar

11. ONGOING RESEARCH PROJECTS:

Sr No	Title of Research Projects	Funding Agency	Amount Approved Rs.	Period of the Project
1.	Studies on Solution combustion synthesis and Characterization of Lanthanum Manganites	UGC, New Delhi	70,000/-	Sept 2008-210
2.	Synthesis and Characterization of $\text{Co}_x\text{Cu}_{1-x}\text{Fe}_2\text{O}_4$ by chemical rout	RUSA, Gov. of Maharashtra	1, 30,000/-	Jan 2020-2022

12. MEMBERSHIP AND OTHER CHARGE:

1. Working as Head, Department of Physics, SGM College, Karad
2. Working as Head, Department of Information Technology, SGM college, Karad
3. Working as coordinator of Examination of Autonomous SGM College, Karad
4. Working as member of examination committee, SGM College, Karad
5. Working as coordinator for M. Sc Physics, SGM College, Karad
6. Working as chairman for conference and seminar committee, SGM College, Karad
7. Working as member of paper setter and examiner panel
8. Member of Materials Research Society of India (MRSI).
9. Member of Indian Associate of Physics Teachers
10. Worked as acting Principal at ASC College, Pusegoan
11. Worked as acting Principal at ASC College, Malkapur
12. Worked as LIC Member for affiliation of Colleges of Shivaji University, Kolhapur
13. Worked as sub-committee member in designing of B. Sc. -III syllabus 2020
14. Worked as CAP Director for University Examinations
15. Worked as committee member of NAAC
16. Worked as chairman for NAAC Criteria – VII (Innovative Practices)
17. Worked as chairman for Donation Committee at ASC College, R. Nagar
18. Worked as chairman for Building Committee at S. P College, Lonad
19. Program Committee Member of International on Conference Materials Science and Ionizing Radiation Safety & Awareness (ICMSIRSA-2016) January 28-30, 2016 Shivaji University, Kolhapur.
20. Poster and Oral presentation examiner in 1st International conference on “Multifunctional and Hybrid Materials for Energy and Environment” (MHMEE-

2020), 29-31 Jan. 2020, Department of Physics, Yashavantrao Chavan Institute of Science, Satara, M.S. India.

21. Organizing Secretary of one day National Seminar on Astrophysics and Cosmology at ASC College, Ramanadnagar held on 1st Feb 2010.
22. Co-ordinator of Five Days National Virtual Workshop on Preparation of Physics NET/SET Exam organized by Department of Physics & IQAC of S.G.M. College, Karad on 29th July 2020 to 02nd August 2020.
23. Convener of Two Days International E-Conference on Cutting Edge Smart Materials & Nanotechnology organized by Department of Physics & IQAC of S.G.M. College, Karad on 20 - 21 Aug 2020.

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

Date- 07/01/2021

(Dr. J. B. Thorat)