RESUME

1. Name and full correspondence address : Dr. Prashant P. Chikode,
Assistant Professor, Department of Physics,
Jaysingpur College, Jaysingpur-416101
Affilated to Shivaji University, Kolhapur.
(DST-FIST Sponsored),
Maharashtra, India.

2. Email(s) and contact number(s) :prashantchikode@gmail.com

3. Institution :Jaysingpur College, Jaysingpur-416101
(DST-FIST Sponsored),
Maharashtra, India,

4. Date of Birth : 08.10.1976

5. Gender (M/F/T) : M

6. Category Gen/SC/ST/OBC : Gen

7. Whether differently abled (Yes/No) : No

8. Academic Qualification (Undergraduate Onwards)

S.N.	Degree	Year	Subject	University	% of marks
1	B.Sc.	1997	Physics	Shivaji University	Second Class with Hons.
2	M.Sc.	1999	Physics	Shivaji University	First Class
3	B.Ed.	2000	Maths, Science	Shivaji University	First Class
3	Ph.D.	2007	Physics	Shivaji University	-

9. Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award

Title: "Holographic Interferometric Studies on Surface Deformation of Certain Materials"

Guide: Prof. M.B. Dongare

University: Shivaji University

Year of Award: 2007

10. Work experience (in chronological order)

S.N.	Position held	Name of the institution	From	To	Pay scale
1	Assistant Teacher	Willingdon College	16.12.2000	31.09.2011	14000/-
2	Assistant Professor	Jaysingpur College	1.10.2011	Working	15600-39100

11. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

S.N.	Name of award	Awarding agency	Year
1	Best Teacher Award	Sanskar Prathisthan, Maharashtra State	2011
2	Best Teacher Award	Rotrac Club, Kolhapur	2013

12. Publications ***(List of papers published in SCI Journals, in year wise descending order).***

S.N.	Author	Title	Name of journal	Volume	page	year
1	P.P. Chikode, R.J. Kamble, S. R. Sabale	Diffusitivity Studies of Butanol Solution using Double Exposure Digital Holographic Interferometry (DEDHI)	International Journal of Research and Analytical Reviews (IJRAR)	6, Issue 1	41-43	2019
2	S.D. Patil, P.P. Chikode, M.V. Takale	Turning point temperature of self-focusing at laser–plasma interaction with weak relativistic-ponderomotive nonlinearity: effect of light absorption	Journal of Optics	47 (2)	174-179	2018
3	S.K. Shinde, H.D. Dhaygude, P.P. Chikode, V.J. Fulari	Structural, morphological, optical and hologram recording of the CdS and ZnS thin films by double exposure digital holographic interferometry technique	Journal of Materials Science: Materials in Electronics	20, Issue 10	7385-7392	2017
4	R.J. Kamble, S. R. Sabale P.P. Chikode, Vijaya Puri, Xiao-Ying Yu, S.S. Mahajan	Studies on the Fe3+ Doping Effect on Structural, Optical and Catalytic Properties of Hydrothermally Synthesized TiO2 Photocatalyst	Nanoscience & Nanotechnology-Asia	7, Issue 2	230-242	2017
5	R.J. Kamble, S. R. Sabale P.P. Chikode, Vijaya Puri, S.S. Mahajan	Structural characterization and photocatalytic properties of hydrothermally synthesized Ni2+-TiO2 nanoparticles for dye degradation under direct sunlight	Indian Journal of Chemistry	56 A	479-487	2017
6	R.D. Shinde, P.P. Chikode, G.H. Nikam, Amit	Multivariate statistical analysis of soil parameters to establish baseline level around proposed	International Journal of Environmental	1, Issue 2	1-8	2016

	Supale and S.R. Sabale	Jaitapur Nuclear Power Plant (JNPP), Maharashtra, India	Sciences & Natural Resources			
7	V.V. Jadhav, P.P. Chikode, G.H. Nikam and S.R. Sabale	Polyol synthesis and characterization of $ZnO@CoFe_2O_4$ MNP's to study the photodegradation rate of azo and diphenyl type dye	Materials Today Proceedings	3	4121–4127	2016
8	H.D. Dhaygude, P.P. Chikode, S.K. Shindec, N.S. Shinde, V.J. Fulari,	Evaluation of the holographic parameters by electrosynthesized CdXZn1−XS (X=0.3) thin films using double exposure digital holographic interferometry technique	Optics & Laser Technology	88	194-197	2016
9	R.J. Kamble, S.R. Sabale, P.P. Chikode, Vijaya Puri, S.S. Mahajan	Structural and Photocatalytic Studies of Hydrothermally Synthesized Mn2+-TiO2 Nanoparticles under UV and Visible light Irradiation	Materials research Express (IOP)	3	115005	2016
10	P. Kandesar, P.P. Chikode and S.R. Sabale	Perspective of Magnetic Fluid Hyperthermia (MFH) for the Treatment of Tumor	Journal of tumor Research (Omics)	2(1)	1-3.	2016
11	P. P Chikode, S. R Sabale, R. S Vhatkar	Determination of Young's Modulus of Silica Aerogels using Holographic Interferometry	AIP Conference Proceedings	20685	-	2016
12	R.D. Mane, P.P. Chikode, B.M. Sargar, and M.B. Dongare	The Study Of Electrodeposited Pbs Thin Films Using Double Exposure Holography Interferometry Technique	International Journal Of Researches In Biosciences, Agriculture and Technology	2	300-303	2015
13	P.P. Chikode	A Study of the Diffusion of Urea in Water at 25° using Digital Holographic Interferometry Technique for plant growth	E Proceedings of XXXIX Golden Jubilee Conference of Optical Society of India - International Conference on Optics and Photonics	1	1-6	2015
14	P.P. Chikode	Digital Holographic Interferometry for Biological systems	Perception The International Multidisciplinary Refereed Journal	I, Issue-I,	94-99	2015
15	P.P. Chikode	Comparative studies of Diffusion coefficients of Sucrose and Lactose using Digital Holographic Interferometry	Proceedings of International Conference on Advanced and Applied Materials Science (ICAAMS-14)	1	136-141	May 2014
16	P.P. Chikode, R. D. Mane & M. B.	Non destructive testing using digital speckle pattern	Bionano Frontier	6, No. 4,	214-218	2013

	Dongre	interferometry				
17	R.D.Mane, P.P.Chikode, R.D.Tasgaonkar, B.M.Sargar, V.J.Fulari and M.B.Dongare	The Characterization of Electrodeposited Y-Se Thin Films By Using Double Exposure Holographic Interferometry Technique	The Research View	1, No. 1,	54-59	2013
18	P.P. Chikode, M.M. Kulkarni, R.S.Vhatkar, A.V.Rao & M.B. Dongre	Studies of Silica Aerogels using Holographic Interferometry	The Research View,	1, No. 1,	10-15	2013
19	S. J. Pawar, P.P. Chikode, V.J. Fulari & M. B. Dongre	Studies on electrodeposited silver selenide thin film by double exposure holographic interferometry	Journal of Materials Science and Engineering B	137	232-236	2007
20	P.P. Chikode, S. J. Pawar, V.J. Fulari & M. B. Dongre	Study of diffusion process in sucrose solution by using double exposure holographic interferometry	Journal of Optics	36, No. 4	157-168	2007
21	P.P. Chikode, R.N. Thokale & M.B. Dongre	Holographic interferometric studies on surface deformation of certain materials	Journal of Holography and Speckle	4, No.1,	19-25	2007
22	P.P. Chikode, S. J. Pawar, V.J. Fulari & M. B. Dongre	Determination of diffusion coefficient of lactose solution exposure holographic interferometry	Journal of Holography and Speckle, ACS Publications,	4, No.1,	06-12	2007
23	P.P. Chikode, S.J. Pawar, C.S.Pawar and M.B. Dongare	Poisson's Ratios of some metals Using Holographic Interferometry	Proceedings of International Conference on Laser Applications and Optical Metrology (ICLAOM-03)	1	422-424	Dec. 2003

13. Detail of patents.

S.N.	Patent title	Name of applicant	Patent no.	Award date	Agency/country	status
	NIL					

14. Books/Reports/Chapters/General articles etc.

S.N.	Title of book	Name of the	Authors	Publisher	page	Year	ISBN

		chapter	name				
1	Mathematical Aspects Of Physical Concepts And Physical Aspects Of Mathematical Concepts	Development of Mathematical Formula to Determine the Young's Modulus of Silica Aerogels using Holographic Interferometry	P. P. Chikode, S.J. Pawar and R.S. Vhatkar	Discovery Publishing House Pvt. Ltd, New Delhi	158-161	Dec. 2011	13: 978-818356798
2	Inspire Vidnyanbharati	Holography: A three dimensional photography	P. P. Chikode	Principal, Bharati Vidyappeth's Dr. Patangarao Kadam Mahavidyalaya, Sangli.	119-123	2014-15	978-81-925021-2-0
3	Advances in Science, Technology & Innovation	Magnetically Separable Low Cost Adsorbent for Bioremediation of Th(IV) and Methylene Blue Dye from Water Sample	Sugam Chavan, Sandip Sabale, Vikas Jadhav, and Prashant Chikode	Springer International Publishing	277-280	2017-18	978-3-319-70548-4
4	Advances in Science, Technology & Innovation	Multivariate Statistics of Physico-Chemical Parameters to Develop the Baseline Level of Water Quality Around the Proposed Jaitapur Nuclear Power Plant, India	Ramesh Shinde, Prashant Chikode, Sugam Chavan, and Sandip Sabale	Springer International Publishing	747-752	2017-18	978-3-319-70548-4

15. Any other Information:

Papers presented at Conferences / Seminars / Symposia etc.

A) International Conferences / Symposia etc.:- 25

B) National Conferences / Symposia etc. :- 28

Research Project Completed

Member of reconnized bodies:

Title	Role	Sanction date & Amount	Duration	Funding agency	Status
Non Destructive Testing of Certain Materials and Diffusion Studies of Transparent Fluids using Holographic Interferometry and Laser Speckle Methods	Principal Investigator	F.No. 47-716/13(WRO) dated 20 Mar. 2014 Amount: Rs.2,25,000/-	July-2014 To July 2016	UGC, WRO	Comple ted

1. Life Member of Opical Society of India, Kolkotta.
2. Member American Physical Society, USA,
3. Life member of Indian Association of Physics Teachers, Kanpur.
4. Life member of Shivaji University Teachers Association.

Reviewer:

1.Asian journal of chemistry

2. Optics and laser technology

Collaborations

1. Prof. P.S. Patil, Department of Nanotechnology, Shivaji University, Kolhapur
2. Prof. V.J. Fulari, Department of Physics, Shivaji University, Kolhapur
3. Prof. S.H. Behare, Department of Physics, Babasaheb Ambedkar Maratwada University, Aurangabad
4. Dr. V.B. Kale, Centre for Materials for Electronics Technology (C-MET), Pune
5. Prof. S. Mohan, Department of Physics, Pondicherry University, Pondicherry.
6. Prof. P.T. Ajit Kumar, Department of Photonics, University of Kerala.