

Faculty Profile

1. Name :- Dr. SHINDE NITIN SHIVAJIRAO
2. Department :- Physics
3. Designation :- Asso. Professor
4. Date of Appointment :- 03/08/1987
5. Address for correspondence (with Pin code) :- 'Kalptaru' Opp. K.B.P. college, Islampur
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9. Academic Qualifications :- M.Sc., M.Phil., Ph.D.

10. Research Degree(s)

Degrees	Title	Date of award	University
M. Phil.	Synthesis and Characterization of Group V-VI compound films	04/07/1995	Shivaji University
Ph.D./D. Phil	Surface deformation studies of Bi_2S_3 , Sb_2S_3 and As_2S_3 thin films by double exposure holographic interferometry technique.	08/12/2009	Shivaji University, Kolhapur
D.Sc/D. Litt.			

11. Period of teaching experience:

P.G. Classes (in years) _____

U.G. Classes (in years) 33 years

12. Research Experience excluding years spent in M. Phil / Ph. D (in years) 10 years

13. Fields of Specialization under the Subject / Discipline

(a) Electronics

(b) Holographic studies, Thin film Physics

14. Orientation / Refresher/ Short term Course/ FDP/ FIP attended.

Name of the Course/ Summer School	Place	Duration	Sponsoring Agency
Orientation Course	Aligarh Muslim University, Aligarh	23-07-90 to 24-08-90	Academic Staff College
Refresher Course	Shivaji University, Kolhapur	24-02-97 to 17-03-97	Academic Staff College
	Shivaji University, Kolhapur	22-02-99 to 15-03-99	Academic Staff College
	Shivaji University, Kolhapur	08-03-2000 to 29-03- 2000	Academic Staff College
FDP			

15. PROFESSIONAL DEVELOPMENT, CO-CURRICULAR AND EXTENSION ACTIVITIES

Sr. No.	Name of the activity	Position held
1	Andahashtra Andhashraddha Nirmulan Wartapatra	Sub Editor
2	Indian Association of Physics Teachers RC08	State Secretary
3	Vivek Jagar	Executive Editor
4	Maharashtra Andhashraddha Nirmulan Samiti	Life Member
5	Indian Laser Association	Life Member
6	Indian Science Association	Life Member
7	Shivaji University Teachers Association	Life Member

16. RESEARCH AND ACADEMIC CONTRIBUTIONS

Publication of Research Papers

Sr. No.	Title of the Publication	Journal	ISSN / ISBN No.	Impact Factor, if any	No. of co-authors
1	Structural and optical properties of electrodeposited Bi ₂ S ₃ , Sb ₂ S ₃ and As ₂ S ₃ thin films'263 (1995) 145	Thin Solid Films	ISSN 0040-6090		1
2	Studies on electrodeposited silver sulphide thin films by double exposure holographic interferometry255 (2008) 1819	Applied Surface Science	ISSN 0169-4332		1
3	Characterization of electrodeposited Bi ₂ S ₃ thin films by holographic interferometry282 (2009) 3127	Optics Communication	ISSN 0030-4018		3
4	Studies on electrodeposited As ₂ S ₃ thin films by double exposure holographic interferometry	Applied Surface Science	ISSN 0169-4332		3

	technique255 (2009) 8688				
5	Modification of structural, optical and surface wettability of antimony sulphide thin films by using electron beam irradiation(2010)138	Bionano Frontier,	ISSN 0974-0678		3
6	Mangalyanachi Koutukaspad Bharari (Dec. 2013) 16-18	Prabodhan Prakashan Jyoti	ISSN 2278-7615		---
7	Effect of bath concentration on the structural, optical and surface wettability of bismuth sulphide thin films (Jan 2014)	International conference on Advanced and Applied Material science peer reviewed proceedings	ISBN 978-81-928717-1-4		1
8	Kalachi Ulati Pawale (Dec. 2014) 45-47	Prabodhan Prakashan Jyoti	ISSN 2278-7615		---
9	Kanyagat Mahaparwachi Parvani ki Shikshanachi Adhogati (Sept 16)39-41	Prabodhan Prakashan Jyoti	ISSN 2278-7615		---
10	Kanyagat Mahaparwachi Parvani ki Shikshanachi Adhogati (Sept 2016)11-13	Pariwrtanacha Watsaru	ISSN: 2250-3145		---
11	Evaluation of the holographic parameters by electrosynthesized cdxzn1/xs(2017) 194-197	Optics and laser technology	ISSN 0030-3992		3
12	Gurutwakarshan Ani Dusara Brhamagupta (Feb. 2018)	Pariwrtanacha Watsaru	ISSN: 2250-3145		---
13	Nanocrystalline Bi ₂ Te ₃ thin films synthesized by electrodeposition method for photoelectrochemical application 70(2018) 119	Materials Science in Semiconductor Processing	ISSN 1369-8001		4
14	Surface deformation study of Arsenic trisulphide thin films by double exposure holographic interferometry technique. (2018) 4-7	Amplitude	ISBN 978-81-926339-4-7		---
15	Electrochemical and surface deformation	Optics and Laser Technology	ISSN 0030-3992		5

	studies on electrodeposited nanostructured Bi ₂ Te ₃ thin films, 113(2019)384-393				
16	Kumbhmelyachi Vaidnyanic ani vidhayak chikitsa (2019) 154-158	Thematics	ISSN 0975-8313		---
17	Physico-electrochemical investigation of electrodeposited nanocrystalline Sb ₂ Te ₃ thin films (2019)	International Journal of Research and Analytical Reviews	ISSN 2349-5138		7
18	Rajkiya Netrutwakadun Ghatanatmak Mulyanchi hornari payamalli and tyacha samaj jivanawar honara parinam Vol 68(Feb 2020)	Our Heritage	ISSN 0474-9030		---
19	Electrochemical performance of Polyaniline based symmetrical energy storage device 120(2020) 105291	Materials Science in Semiconductor Processing	ISSN 1369-8001		6

Publication books

Sr. No.	Title with page nos.	Type of Book & Authorship	Publisher & ISSN/ ISBN No.	No. of co-authors
1	Safar Vishwachi	Astronomy and social	Nag Nalanda Publication (Aug 2010) ISBN 978-93-82451-56-3	--
2	Dosti Graha Taryanshi	Astronomy	Maharashtra Andhashraddha Nirmulan Samiti (July 2015)	--
3	Patrika Julwatana	Social	Nag Nalanda Publication (Jan 2016) ISBN 978-93-82451-49-5	--
4	Antaral Samjun Ghetana	Science	Nag Nalanda Publication (Jan 2016) ISBN 978-93-82451-48-8	--
5	Asahi Vichar Karayla Kay Harkat Ahe	Social	Nag Nalanda Publication (Oct 2017) ISBN 978-93-82451-65-5	--

6	Yat Ase Ahe Tari Kay?	Science	Nag Nalanda Publication (Apr 2019) ISBN 978-93-82451-72-3	--
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Research Projects:

Type of project	Title	Agency	Year of completion	Whether Co-PI	Grant (Rs. Lakh)
Minor	Surface deformation study of Bi ₂ S ₃ , Sb ₂ S ₃ , As ₂ S ₃ thin films by double exposure holographic interferometry technique	UGC	2010	No	0.75

Patent / Technology transfer / Product process

Sr. No.	Name of the Project	Funding Agency	Whether Co-PI	Amount Mobilized (Rs.)
1	Maharashtra Andhashraddha Nirmulan Samiti Interactive lectures with demonstration to curb Superstitions practices	Govt Of Maharashtra	Project Incharge	Year 2018-19 5 Lakh
2	Maharashtra Andhashraddha Nirmulan Samiti Interactive lectures with demonstration to curb Superstitions practices	Govt Of Maharashtra	Project Incharge	Year 2019-20 5 Lakh
3	LDS installation and monitoring	NRSC, ISRO, Nagpur	Coordinator	2019-20 1 lakh Every eary Rs 1 Lakh for five years

Research Guidance

Sr. No.	Number Enrolled	Thesis Submitted	Degree awarded
1	Mr. Thorat J. B.	Characterisation of electrodeposited Bi_2Te_3 and Sb_2Te_3 thin films.	29 April, 2019
2	Miss Kadam Sunita S.	Photoelectrochemical studies of chemically synthesized CdCr_2S_4 and CdCr_2Se_4 thin films	Working

Fellowships, Awards and Invited lectures delivered in conferences / seminars

Sr. No.	Fellowship / Award	Year	Level International /National / State / University	Awardee Academic Body/ Association
1	Adharstamb Puraskar -2013	June 2013	State	Andhashraddha Nirmulan Wartapatra
2	Nisarg Mitra Award	Oct 2014	State	Vasundhara Nisarg Mitra Saghatana, Waranagar
3	Adv Dattajirao Mane Andhashraddha Nirmulan karyakarta award	Aug 2015	State	Maratha Samaj Sanstha Sangli
4	Antaral Samjun Ghetana book received best Science literature award	Aug 2017	State	Dakshin Maharashtra Sahitya Sabha Kolhapur
5	Patrika Julwatana Book received Dr. Babasaheb Ambedkar State level literature award	2017	State	Dr. Babasaheb Ambedkar Sahitya Academy, Latur.
6	Gunwant Shikshak Puraskar,	Dec 2017	State	Rashtriya Bandhuta Pratishthan, Pune

Invited lectures / papers International level

During 2019-20

Sr. No.	Title of Lecture /Academic Session	Title of Conference /Seminar	Organized by	Whether international/National
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		etc		
1	Safar Vishwachi	Guest Lecture	Nana Mahadik College, Peth	College
2	Safar Vishwachi	Guest Lecture	Anna Deshpande Pratishthan, Rahimatpur	College
3	Space Science	Guest Lecture	MANS Rahimatpur, Budhiwant Highschool Pimpri	School
4	Scientific Temperament	Guest Lecture	RIT College, Sakharale	University
5	Astronomy and Astrology	Guest Lecture	ICT, Mumbai	University
6	Patrika Julwatana	Guest Lecture	Athani Sugar Rayat Karkhana, Undale	Society
7	Scientific Attitude	Guest Lecture	Balwant College, Vita	College
8	Gravitational Waves	Guest Lecture	Balwant College, Vita	College
9	Astronomy and Astrology	Guest Lecture	DKT College, Ichalkaranji	College
10	Patrika Julwatana	Guest Lecture	Alumni Association, Wategaon	Society
11	Jyotishkade Janyapurvie	Guest Lecture	Hambirrao Mohite Vyakhyanmala, Belawade	Society
12	Safar Khagol Vishwachi	Guest Lecture	MANS , Jalgaon	Society
13	Suryotsav Sangli 2019	Guest Lecture	Higher Education dept, Sangli	School
14	Suryotsav Sangli 2019	Guest Lecture	P. N. Vidyalaya, Kawalapur	School
15	Slide show and Sky observation	Guest Lecture	Navonmesh Vidyalaya and Jr. College, Chakan	School
16	Astronomy and Astrology	Guest Lecture	MANS, Alibag	Society
17	Annular Solar Eclipse	Guest Lecture	KBP, Islampur	College

18	Solar Eclipse	Guest Lecture	Z. P. Sangli	Society
19	Astronomy and Astrology	Guest Lecture	MANS, Shahada	Society
20	Khagol	Guest Lecture	KRP college, Islampur	College
21	Sky Observation	Guest Lecture	RIT, Sakharale	University
22	Astrology : Myths and Reality	Guest Lecture	Krishna institute of medical sciences, karad	University
23	Astronomy and nakshatra	Guest Lecture	SGM college, Karad	College
24	Universe	Guest Lecture	KBP, Islampur	State
25	Science in daily life	Guest Lecture	Yashwant High School, Islampur	School
26	Naxtra, Rashi and Tarangan	Guest Lecture	DABN college, Chikhali	University
27	Scientific Attitude	Guest Lecture	S. M. College, Akuj Dist: Solapur	College
28	Astronomical glimpses	Guest Lecture	Y. C. College, Islampur	College
29	Astrology : Myths and Reality	Guest Lecture	Vivek Jagar Manch, Kolhapur	Society
30	Scientific Attitude	Guest Lecture	Jaysingpur College, Jaysingpur	College
31	Astronomy and Astrology	Guest Lecture	Jaysingpur College, Jaysingpur	College
	Sky Observation	Guest Lecture	Dayanand Academy, Peth	School
32	Corona and Vastushastra	Guest Lecture	Walwa Taluka Engg. Association, Islampur	Zoom App
33	Khagolshastra and Phaljyotish	Guest Lecture	MANS Panvel	Google meet
34	Phaljyotish : Samaj ani Vastav	Guest Lecture	MANS Pune	Google meet
35	Phaljyotish : Samaj ani Vastav	Guest Lecture	MANS, Solapur	Zoom App
36	Phaljyotish : Samaj ani Vastav	Guest Lecture	MANS, Nandurbar	Google meet
37	Phaljyotish : Samaj ani Vastav	Guest Lecture	Dr. Narendra Dabholkar	Face Book

			Vykhyanmala, Nashik	
38	Phaljayotish : Samaj ani Vastav	Guest Lecture	MANS, Gadchiroli, Chandrapur	Google meet
39	Phaljayotish : Samaj ani Vastav	Guest Lecture	MANS, Wardha	Google meet
40	Phaljayotish : Samaj ani Vastav	Guest Lecture	MANS, Aurangabad	Google meet
41	Phaljayotish : Samaj ani Vastav	Guest Lecture	MANS, Nagpur, Bhandara, Gondia	Google meet
42	Phaljayotish : Samaj ani Vastav	Guest Lecture	MANS, Nanded	Google meet
43	Phaljayotish : Samaj ani Vastav	Guest Lecture	MANS, Ratnagiri, Mumbai	Google meet
44	Phaljayotish : Samaj ani Vastav	Guest Lecture	MANS, Latur, Parbhani, Beed, Usmanabad	Google meet
45	Khagolshastra : Samaj ani Gairsamaj	Guest Lecture	K.B.C.U.M. Vidyapeeth, Jalgaon	Google meet
46	Grahanatil gappa	Guest Lecture	Raje Ramrao Mahavidyalaya Jath	Google meet

a. Papers presented

Sr. No.	Title of Lecture /Academic Session	Title of Conference /Seminar etc	Organized by	Whether international/ National/ State or University level
1	Structural optical & photoelectro- chemical properties of group V-VI compound films	Electronic material workshop cum conference ,	Shivaji University, Kolhapur,	University
2	Characterization of electrodeposited Semi conducting Bi ₂ S ₃ films	Vth National convention of electrochemists	Delhi University Delhi,	National
3	Structural optical and Photo electrochemical properties of Group V-VI compound films.	One Day Seminar on,	Shivaji University , Kolhapur	University

4	(Photo) Electrochemical Characterisation of group V-VI compound films	National conference on development in electronic material & their applications,	Shivaji University, Kolhapur,	National
5	Popularization of Astronomy in the society	International conference on Physics Education,	Delhi University, Delhi,	International
6	Surface deformation study of Bi ₂ S ₃ thin films by double exposure holographic interferometry technique	National Conference on Advanced Materials and Characterization,	Vellore institute of technology, Vellore	National
7	Studies on electrodeposited Silver Selenide thin films by double exposure holographic interferometry technique',	National Conference on Advanced Materials and Characterization,	Vellore institute of technology, Vellore	National
8	Studies on surface deformation using As ₂ S ₃ thin films by double exposure holographic interferometry technique	International Conference on Nanomaterials and applications,	Shivaji University, Kolhapur	International
9	Studies on Surface deformation using Sb ₂ S ₃ thin films by double exposure holographic interferometry technique	National Laser Symposium,	Defence Research and Development Organization, New Delhi	National
10	Double exposure holographic interferometric study on Bi ₂ S ₃ thin films	National Symposium on Advances in Lasers and Spectroscopy,	Dr. Hari Sing Gaur Vishwavidyalaya , Saugar	National
11	Modification of structural, optical and surface wettability of antimony sulphide thin films by using electron beam irradiation	International Conference on Lasers and Advanced Materials ICLAM 2010,	Abasaheb Garware College, Pune	International
12	Effect of electron beam irradiation on the properties of electrodeposited Arsenic trisulphide thin films	National Conference on Advanced Materials,	Shivaji University, Kolhapur	National
13	Modifications of structural, optical and surface wettability of bismuth sulphide thin films by using electron beam irradiation	International conference on multifunctional materials ICMM-2010	Banaras Hindu University, Varanasi	International

14	Enhancement in structural, optical and surface wettability of Sb_2S_3 thin films by electron beam irradiation	National Seminar on physics of materials and materials based device fabrication NSPM-MDF-2011,	Shivaji University, Kolhapur	National
15	Modification of structural, optical and surface wettability of group V-VI compound thin films by electron beam irradiation	International conference,	Shivaji University, Kolhapur	International
16	Superhydrophobic behavior of electrodeposited antimony trisulfide thin films	National Seminar,	Vivekanand college, Kolhapur	National
17	Superhydrophobic behavior of electrodeposited Sb_2S_3 films using electron beam irradiation	National Seminar,	Shivaji University, Kolhapur	National
18	Enhancing the public understanding of physics in a modern society with the use of astronomical information to tackle astrological concepts		Shajiraje Mahavidyalaya, Khatav, Dist : Satara	National
19	The role of physicist to reduce the impact of astrological myths with the use of astronomical concepts for the betterment of society	IAPT National Annual Convention	St. Paul cathedral mission college, Kolkatta	National
20	Effect of bath concentration on the structural, optical and surface wettability of bismuth sulphide thin films	Internation conference on Advanced and Applied Material science	G.K.G. College, Kolhapur	International
21	Growing impact of unscientific vastushastra in the society and the steps to be taken by physicist to reduce it for the enrichment of scientific attitude	IAPT National Annual Convention	Sri Guru Govindsing college, Chandigarh	National
22	Effect of electron beam irradiation on Structural, optical and surface wettability of electrodeposited antimony sulphide thin films		Shivaji University, Kolhapur	National
23	Energy saving-Using capacitor : A Need of future	IAPT National Annual Convention	Gurukul Kangri Vishwavidyalaya Haridwar,	National

			Uttarakhand	
24	Job opportunities after B.Sc.,M.Sc. Physics	IAPT National Annual Convention	Gurukula Kangri Vishwavidyalaya Haridwar, Uttarakhand	National
25	Graphene/Fe ₂ O ₃ composite electrode for Li-Ion Battery	International conference on Advanced Rechargeable batteries & Allied Materials	CMAT- Pune	International
26	Kumbhmelyachi Vaidnyanic ani vidhayak chikitsa	N. S. Shinde	K.B.P. College, Islampur	National
27	Career opportunities for B.Sc. Students in sugar, alcohol, ethanol and allied industries	B.P. Relekar, S.B.Mane, N. S. Shinde	IIIT Allahabad	National
28	Impact of La ³⁺ substitution on DC electrical resistivity of Ni-Cu-Zn Nanoferrites	International conference Souvenir	Y.C. college, Satara	International
29	Rajkiya Netrutwakadun Ghatanatmak Mulyanchi hornari payamalli and tyach samaj jivanawar honara parinam	N. S. Shinde	K.B.P. College, Islampur	National