

Curriculum Vitae of

Professor (Dr.) Vijay Janardhan Fulari



Contact Details:

Address Official:

**Former Head,
Department of Physics &
Department of USIC and USIC-CFC
Shivaji University,
Kolhapur- 416004.**

E mail

: vijayfulari@gmail.com
: vjf_phy@unishivaji.ac.in

Mobile Nos. : +919822954845, +919421804845.

Address for correspondence:

E/F-4, Apurv Tower,
13th lane, Rajarampuri,
Kolhapur-416 008
Residence : +919421494845, 9420959249.
Date of Birth: Sept. 1st, 1965.

Education:

Examination	Subject	University	Year of Passing
Ph.D.	Physics	Shivaji	1999
M. Sc.	Physics	Shivaji	1987
B.Sc.	Physics	Shivaji	1985

Professional Experience:

a) Teaching: 32 years.

b) Research: 27 years.

I. Lecturer : 14th August 1987.

II. Reader : 14th August 2000.

III. Professor : 14th August 2008

Administrative experience; Head of the Departments in the University

Sr. No	Post	Duration	Name of University
1	Professor	From 14/08/2008 till to date	Shivaji University, Kolhapur
2	Head of the Departments in the University	July 5, 2006- till to date.	In- Charge, Physics of Modern Optics, Department of Physics, Shivaji University, Kolhapur
		Jan.01, 2014 to June 07, 2016	Head, Department of USIC, Shivaji University, Kolhapur
		Jan. 01, 2014 to June 7, 2016	Head, Department of USIC-CFC, Shivaji University, Kolhapur
		June 01, 2016 to May 31, 2019	Head, Department of Physics, Shivaji University, Kolhapur

Administrative work carried out:

- a) Member for DRS.ASSIST, FIST DSA-I, PURSE etc. committee.
- b) Worked as Vice-Chancellor's B.C. Nominee; selection committee for selection of Assistance professor in different Institutes.
- c) Vice-Chancellor's Nominee for standing committee for Rayat Shikshan Sanstha, Satara.
- d) Member of Academic Council, D. Y. Patil University, Kolhapur.
- e) Project Co-Ordinator; DSA-II by UGC, New Delhi.
- f) Project Investigator; DST-FIST-I by DST, New Delhi
- g) Chairman; Affiliation committees for Shivaji University Colleges.
- h) Telangana state Governor Nominee for the selection committee.
- i) Member of selection committee for the post of Controller of Examination Solapur University, Solapur.
- j) Member of selection committee for the post of Registrar Solapur University, Solapur.
- k) Worked as a Member of Shivaji University Merit Scholarship Committee during 2006-07, 2007-08, 2008-09.
- l) Worked as a member of affiliation and subject expert committees.
- m) Member of Annual report committee, Shivaji University, Kolhapur.

- n) Reviewer; International scientific research journals.
- o) Member of Grievance committee, KBP college of Engineering, Satara.
- p) Worked as referee for Open defense examination for various universities within India.
- q) Governor Nominee of Telangana State for CAS promotions of University Professor.

Desirable Experience for Statutory Authorities:

Sl. No	Institution*	Statutory Authorities/forums and position	From	To	Total (in years and months)
1.	Shivaji University, Kolhapur	Member of Board of Studies	June, 2009	May, 2014	5 years
2.	Shivaji University, Kolhapur	Member of faculty of Science	June, 2009	May, 2014	5 years
3.	Shivaji University, Kolhapur	Member of research and Recognition Committee	June, 2016	May, 2022	6 years
4.	Shivaji University, Kolhapur	Member of Board of Studies	June, 2016	May, 2021	5 years
5.	Solapur University, Solapur	Member of Board of Studies	June, 2010	May, 2015	
6.	D. Y. Patil University, Kolhapur	Member of Academic Council	November, 2016	Till date	
7.	Shivaji University, Kolhapur	Chairman, Board of Studies	June, 2016	June 2018	2 Years
8.	Osmania University, Hyderabad	Member, Board of Examinations	June, 2016	Till date	
9.	Karnataka University, Dharwad	Member, Board of Examinations	June, 2015	Till date.	
10.	University of Mumbai, Mumbai	Member, Board of Examinations	June, 2017	Till date	
11.	University of Madras	Member, Board of Examinations	June, 2008	2012	4 years
12.	University of Kerala, Thiruvananthapuram	Member, Board of Examinations	June, 2017	Till date.	1 year
13.	Tumkur University, Tumkur	Member, Board of Examinations	June 2017	June 2019	2 years
14.	Bangalore University, Bangalore	Member, Board of Examinations	June 2019.	June 2020	2 years

Demonstrable experience of handling Quality issues: NAAC; Assessor

Sr. No	Area	Institution	Duration	Achievements
A.	Quality Issues	1.Kakatiya University, Warangal, Telangana	July 22, 2017 to July 23, 2017	External Member for Mock Drill before NAAC Peer Team visit
		2. Osmania University, Hyderabad	Aug 07, 2017 to Aug 09, 2017	External Member for Mock Drill before NAAC Peer Team visit
		3.Balwant College, Vita, Sangli	April 11, 2016 to April 11, 2016	Delivered a session on NAAC Preparations
		3.. P. Bhosale College, Koregaon, Satara	Oct 01, 2017 to Oct 01, 2017	Delivered a session on NAAC Preparations
		4.Shivaji University, Kolhapur	March 15, 2017 to March 19, 2017	Academic and Administrative Audit (AAA)
		5.Gogate Jogalekar College, Ratnagiri	15 th Sept.2018	Academic and Administrative Audit (AAA)
		6.SSA Government First Grade College, Bellari	9 th March, 2019	Revised Assessment and Accreditation frame work of NAAC
		7. St. Alloys College, Jabalpur.	08-09 Nov, 2019.	AAA for NAAC
		8. KLE's Basavprabhu Kore Arts Science and Commerce college, Chikkodi	14-02-2020	AAA under Paramarsh scheme
		9. Rajaram College, Kolhapur	17 January,2020	Lead College, workshop. Student Satisfaction Survey

B	Assessment and Accreditation NAAC Visits.	1. Assessor Interaction Meet	Feb 6, 2014 to Feb 7, 2014	AIM, NAAC Assessor Training.
		2.Smt. Kamalben Shantilal Nathalal Kansagara Mahila College,Rajkot.(Gujrat)	July 10,2014 to July 12,2014	Peer team Visit; Member
		3.Government Girls College, Badwani (M.P.)	Aug 7, 2014 to Aug 9, 2014	Peer team Visit; Member Co- ordinator
		4.Pt. Shambhunath Sukla Govt. P.G. College, Shahdol (M.P.)	Nov 27,2014 to Nov 29,2014.	Peer team Visit; Member Co- ordinator.
		5.Jiwaji University, Gwalier.(M.P.)	Jan 5, 2015 to Jan 7, 2015	Peer team Visit; Member
		6.P,T, Sarajenik college of Science, Surat (Gujrat)	Feb 2, 2015 to Feb 3, 2015	Peer team Visit; Member Co- ordinator.
		7.Telengana University(Telengana)	April 13, 2015 to April 15, 2015	Peer team Visit; Member
		8. Govt. First Grade college, Kadur, Chikmanglur. (Karnataka.)	March 23, 2015 to March 25, 2015	Peer team Visit; Member Co- ordinator
		9.Marwari College, Darbhanga (Bihar)	April 4, 2016 to April 6, 2016	Peer team Visit; Member Co- ordinator
		10. Sri Jayendrapuri Arts and Science college, Bharouch (Gujrat)	Feb 25, 2016 to Feb 27, 2016	Peer team Visit; Member Co- ordinator
		11.Government Arts college, panagar, Jabalpur (M.P.)	March 20, 2017 to March 21, 2017	Peer team Visit; Member Co- ordinator
		12.Bhagatsingh P,G,College, Ratlam (M.P.)	April 5, 2017 to April 6, 2017.	Peer team Visit; Member Co- ordinator
		13. Govt. first grade college, Hulsoor, Bidar (Karanatak.)	March 24, 2017 to March 25, 2017	Peer team Visit; Member Co- ordinator
		14.St. Aolloysis College Automnomous, Jabalpur. (M.P.)	April 21, 2017 to April 22, 2017.	Peer team Visit; Member Co- ordinator
		15.Shahid Chandrashekhar Azad Govt. P.G. college, Jhabua.(M.P.)	Sept 26, 2017 to Sept 27, 2017	Peer team Visit; Member Co- ordinator
		16. Smt. SaralaDevi Satish Chandra Agarwal Govt. frist grade college, Bellary.	Oct 9, 2017 to Oct 10, 2017	Peer team Visit; Member Co- ordinator

		Karnataka.		
		17. Government First Grade College, KKK Campus, Birur, Kadur(Tq), Chikmangalur (Dist), Karnataka	Aug 7, 2018 to Aug 8, 2018	Peer team Visit; Member Co-ordinator
		18. Government First Grade College Birur	07/09/2019 to 08/09/2018.	Peer team Visit; Member Co-ordinator
		19. Taranath Shikshana Samsthe Laxmi Venkatesh Desai College, Raichur	17/09/2018 to 18/09/2018	Peer team Visit; Member Co-ordinator
		20. Nadar Mahajana Sangam Sermathai Vasan College For Women, Madurai	15/10/2018 to 16/10/2018.	Peer team Visit; Member Co-ordinator
		21. M.E.S. College, Marampalli	13/03/2019 to 14/03/2019	Peer team Visit; Member Co-ordinator
		22. University of Allahabad	26/03/2019 to 28/03/2019	Member
		23. Raju's Rajapalayam College, Rajapalayam.	18-19, Dec.2019.	Member Co-ordinator

Experience in Organizing and Participating Student-Centric Activities.:

Sr. No	Nature of Activity/Event	Institution	Duration	Achievements
1.	State level Disaster Management camp organized by Honorable Governor of Maharashtra.	Shivaji University, Kolhapur.	0/07/2007 to 17/07/2007.	Co-Ordinator
2	University level Avishkar Festival	Solapur University, Solapur	01/02/2009 to 02/12/2009	Referee
3	University level Avishkar Festival	Solapur University, Solapur	29/12/2010 to 30/12/2010	Referee
4	Inter-University Avishkar Festival	Shivaji University, Kolhapur	29/12/2016 to 29/12/2016	Referee
5	Examiner for Shivaji University's Youth Festival 2016	Dr. D. P. Bhosale College, Koregaon, Dist. Satara.	01/10/2016 to 1/10/2016	Referee
6	Examiner for Shivaji University's Youth Festival 2017	Mudhoji Mahavidyalaya, Phaltan, Satara	14/09/2017 to 14/09/2017	Referee

7	Examiner for Shivaji University's Youth Festival 2019	Mudhoji Mahavidyalaya, Phaltan, Satara	13/07/2019 to 25/07/2019.	Referee
8	University level Avishkar Festival	Dr. BAMU University, Aurangabad	20/01/2020 to 21/01/2020	Referee

Research Work guided:

A) M.Sc. Project: 157

B) Ph. D.: Awarded; 20 Students

Sr. No.	Student Name	Thesis title	Period of Guideship	Ph. D awarded
1.	V. B. Prabhune	Studies on surface deformation of silver Chalcogenide thin films by double exposure holographic interferometry technique	July 2007 to June 2009	August 2009
2.	N. S. Shinde	Surface deformation study of Bi ₂ S ₃ , Sb ₂ S ₃ , As ₂ S ₃ thin films by double exposure holographic interferometry technique	January 2007 to June 2009	July 2009
3.	V. P. Malekar	Studies on surface deformation of copper Chalcogenide thin films by double exposure holographic interferometry technique	July 2006 to June 2009	September 2010
4.	S. S. Gangawane	Studies on surface deformation of materials by holographic interferometry techniques	July 2006 to June 2010	November 2011
5.	S. D. Kamat	Studies on structural, electrical and dielectric properties of Sr, Zn, Zr substituted PbTiO ₃ ceramics	July 2006 to June 2010	December 2011
6.	P. M. Kulal	Studies on electron beam irradiation on electrodeposited Bi ₂ Se ₃ and Sb ₂ Se ₃ thin films using holographic interferometry	July 2008- June 2011	August 2012
7.	S.S. Dhasade	Studies on effect of electron beam irradiation on copper Chalcogenide thin films	July 2009 to June 2012	July 2013
8.	J.V. homabre	Effect of electron beam irradiation on polypyrrole		Jan 2014
9.	G. M. Lohar	Photoelectrochemical cell performance of electron beam irradiated iron doped zinc selenide thin films	July 2011- December 2014	August 2015
10.	S. K. Shinde	Photoelectrochemical cell performance of electron beam irradiated CdSe _{0.6} Te _{0.4} thin films	July 2011- December 2014	September 2015

11.	H.D. Dhaygude	Effect of electron beam irradiation on the properties of electrodeposited CdS, ZnS and Cd _x Zn _{1-x} S thin films with holographic study	July 2009 to August 2016	June 2017		
Sr. No.	Title of the project		Project Value	Granting agency	Date of start	Date of completion
12.	U. M. Chougale	Studies on electron beam irradiation of electrodeposited iron oxide – polyaniline composite thin films for supercapacitive behavior			July 2011-December 2016	August 2017
13.	J.S.Patil	Effect of electron irradiation on properties of electrodeposited zinc Chalcogenide thin films using holographic interferometry			July 2008 to June 2017	March 2018
14.	B. P. Relekar	Studies on electron irradiation of MnO ₂ - polyaniline composite thin films			July 2006 to June 2017	March 2018
15.	B. S. Kamble	Synthesis and characterization of La _{1-x} Sr _x MnO _{3-d} thin films for solid oxide fuel cell application			July 2011 to June 2017	August 2018
16.	V. B. Mamlayya	Polypyrrole-Polyaniline composite thin films for electrochemical biosensor application			July 2014 to June 2018	April 2019
17	N.C. Maile	synthesis and characterization of manganese cobalt oxide thin films for supercapacitor application			July 2015 to June 2019	April 2019
18.	J. B. Thorat	Characterization of Electrodeposited Bi ₂ Te ₃ and Sb ₂ Te ₃ thin films			July 2012 to July 2018	April 2019
19.	A. S. Patil	Copper oxide based thin films for electrochemical biosensor			July 2014 to June 2018	July 2019
20.	R. R. Koli	Chemical synthesis and characterization of nano –ferrites (Fe ₃ O ₄ ,NiFe ₂ O ₄ and MnFe ₂ O ₄) for bio-medical studies.			July 2015 to June 2019	July 2019
21	R. T. Patil	Chemically synthesized Nickel- Cobalt Oxide thin films for Supercapacitor Application.			Since July 2017.	Under progress
22	N.B. Wadkar	Studies on conducting polymers- transition metal sulphide composite thin films for supercapacitor applications.			Since July 2017	Under progress
23	S. S .Patil	Studies on synthesis and Characterization of Copper- Cadmium Chalcogenides by Chemical root for super capacitor application,			Since July 2018	Under progress
24	O. C. Pore	Development of Nickel Cobaltite based nano structures using hydrothermal method for Supercapacitor application.			Since July 2018	Under progress
25	Akta Rai	Structural, Optical and Dielectric Properties Of Some Rare-Earth Doped Phosphor Materials			Since July 2018	Under progress

		(Rs. in Lahks)			
A] Department Projects: Project Co-Ordinator/ Investigator.					
1.	Physics of Materials and Materials Based Device Fabrications. DSA-SAP-II	198.67	UGC	April, 2018	March, 2023.
2.	DST-FIST-III	115.00	DST	April 2020	March 2025
B] International Research Project: 01					
1.	Indo-Korean joint Project. Chonnam National University, Korea.	4.65 lakh	DST	May, 2009	May, 2012
C] National Research Projects: 07					
1	Double exposure Holographic interferometry and its applications	15,000/-	U.G.C. WRO Pune	April, 1998	March 2000
2	Fabrication of demonstrative supercapacitive models ($C > 500 \text{ F/g}$) using polyaniline multielectrodes	24.93 lakh	D.R.D.O.	May, 2009	May, 2011
3	Studies on Electrodeposited Silver Chalcogenide Thin films By Double Exposure Holographic Interferometry	6.10 lakh	U.G.C.	May, 2009	May, 2012
4	Chemical synthesis of iron oxide thin films for supercapacitor application	24.14 lakh	BRNS	Oct, 2013	March, 2016
5	Studies on CdSe _{0.6} Te _{0.4} Thin Films by Holographic Interferometry and Electron Irradiation for Photoelectrochemical properties	12.38 lakh	UGC	April, 2015	March 2018

Research Projects:

Total Resource generated (A + B+ C): Rs. 384.02 Lakh.

Research Collaborations:

A. National Collaborations:

1. BARC (Mumbai), UGC-DAE CSR (Mumbai).
2. Department of Physics, Karnataka University, Dharwad, (Karnataka.)
3. Banaras Hindu University, Banaras (U.P)
4. Allahabad Central University, Allahabad.(U.P.)
5. Osmania University, Hyderabad,(T.S.)
6. CUSAT, Kochi.(Kerala.)
7. Bangalore University, Bangalore (K.A.).
8. Tumkur University, Tumkur.(Karnataka)

B. International Collaborations:

1. Han Yang University, Seoul, South Korea.
2. Korea Institute of Science and Technology , Seoul, South Korea.
3. Chonnam National University, Seoul, South Korea.
4. Kyungpook National University, Seoul, South Korea.
5. Dongook University, Seoul, South Korea.
6. National Dwang Hwa University, Republic of Taiwan.

Visits abroad and under MoU's:

1. Invited talk at 3rd Asian conference on electrochemical power sources (ACEPS-3), “Korea Fuzzy Nanofibrous Polyaniline Thin Films for Supercapacitor”, Korea University, Seoul South Korea. 10-14 Nov, 2008
2. **Visiting Professor**, Department of Materials science and Engineering, Chonnam National University, Gwangju, South Korea, as a Joint Collaborative Indo- Korea Research project as March -June 2010.
3. **Visiting Professor**, Department of Chemistry, Hanyang University, Seoul, South Korea. March-June 2011 under MoU.
4. **Visiting Professor**, Department of Materials science and Engineering, Chonnam National University, Gwangju, South Korea May, 2011 under MoU.
5. **Visiting Professor**, Department of Chemistry, Hanyang University, Seoul, South Korea, From March-May 2012under MoU.

Indian Patents filed:

1. “Studies on surface deformation of BaSrTiO₃ materials by Double exposure holographic interferometry technique”, (2011)
2. “Electrodeposited CdS nanorods and its holographic study”, (2011)
3. “Structural Electrical and Dielectric properties of Zn Substituted PbTiO₃ ceramics”, (2011)
4. “Effect of high energy electron irradiation on gold substitute electrochemically reduced graphene oxide: modified photoluminescence properties”, (2017)

Book Published:

Name of the Book -“Synthesis, Characterization and Applications of Multifunctional Materials” **NOVA Publishers**, ISBN: 978-1-6147- 618-2.(2011)

Invited Talks: More than 50 invited talks are delivered at National/International Conferences/ Seminars and Symposia.

Membership of academic bodies and Working with International Bodies:

Sl. No	Name of the International Body	Nature of experience
1	Indian Science Congress Association	Life Member and Sectional President of Physical Sciences 2019.
2	Laser and spectroscopy Association of India	Life Member and Secretary
3	Nuclear track society of India	Life Member
4	Bulletin of Laser and Spectroscopy Society of India, (ISSN 2229 – 3752), Springer.	Associate Editor

Research Profile:

No. of Research Publications: 152

Citations: 2305, h-index: 26 i10-index: 57

Source: Google Scholar

(<https://scholar.google.co.in/citations?user=V6bgn74AAAAJ&hl=en>)

List of Research Publications:

1. Capacitive property studies of electrochemically synthesized Co₃O₄ and Mn₃O₄ on inexpensive stainless steel current collector for supercapacitor application , Ceramic International July, 2020
2. Surface Deformation of Cadmium Selenide Thin Films By DEHI Technique, Materials Today Proceedings, January 2020.
3. Characterization and Holographic study of nanostructure Copper Selenide thin films grown at room temperature, Materials Today Proceedings, January 2020.
4. Capacitive property studies of inexpensive SILAR synthesized polyaniline thin films for supercapacitor application, SN Applied Sciences, November 2019.
5. A study on silver nanoleaf-decorated PANI electrodes for improved electrochemical performance, Polymer Bulletin, November 2019.
6. Flower-like NiCo₂O₄/NiCo₂S₄ electrodes on Ni mesh for higher supercapacitor applications, ceramic international, October 2019.

7. Investigation of the structural, optical and photoluminescence properties of electrosynthesized hexagonal nanocrystalline $\text{Cd}_{0.3}\text{Zn}_{0.7}\text{S}$ thin film, materials science-Poland, September 2019.
8. STRUCTURAL PROPERTIES AND D. C. RESISTIVITY STUDY OF STRONTIUM DOPED LANTHANUM MANGANITE (LSM) THIN FILMS AS CATHODE FOR SOFC, International journal in Physical and applied Sciences, July 2019.
9. "Electrochemical and surface deformation studies on electrodeposited nanostructured Bi_2Te_3 thin films", Optics & Laser Technology 113, 384-393, 2019.
10. "Development of Porous Manganese Oxide/Polyaniline Composite Using Electrochemical Route for Electrochemical Supercapacitor", Journal of Electronic Materials 48 (4), 2449-2455, 2019.
11. "Facial growth of $\text{Co}(\text{OH})_2$ nanoflakes on stainless steel for supercapacitors: effect of deposition potential", Journal of Materials Science: Materials in Electronics 30 (6), 5555-5566, 2019.
12. "Effect of different electrolytes and deposition time on the supercapacitor properties of nanoflake-like $\text{Co}(\text{OH})_2$ electrodes", Ultrasonics Sonochemistry 51, 49-57, 2019.
13. "Structural and morphological changes in binder-free MnCo_2O_4 electrodes for supercapacitor applications: effect of deposition parameters", Journal of Materials Science: Materials in Electronics 30 (4), 3729-3743, 2019.
14. "Chemically synthesized nanoflakes-like NiCo_2S_4 electrodes for high-performance supercapacitor application", Applied Surface Science 466, 822-829, 2019.
15. "Gram bean extract-mediated synthesis of Fe_3O_4 nanoparticles for tuning the magneto-structural properties that influence the hyperthermia performance", Journal of the Taiwan Institute of Chemical Engineers 95, 357-368, 2019.
16. "Structural Properties And Dc Resistivity Study Of Strontium Doped Lanthanum Manganite (Lsm) Thin Films As Cathode For SOFC", IJMR, 6, 7, 2019.
17. "Surface deformation studies of MnO_2 film by double exposure digital holographic interferometry technique", Materials Research Express, 2018.
18. "Polypyrrole/copper nanoparticles composite thin films for high-sensing performance", Polymer Bulletin 75 (10), 4753-4767, 2018.

19. "Nanocrystalline Bi₂Te₃ thin films synthesized by electrodeposition method for photoelectrochemical Application", *Materials Science in Semiconductor Processing* 79, 119-126, 2018.
20. "Effect of Electrodeposition Potential on Surface Free Energy and Supercapacitance of MnO₂ Thin Films", *Journal of Electronic Materials* 47 (5), 2731-2738, 2018.
21. "Effect of electron beam irradiation on chemically synthesized nanoflake-like CdS electrodes for photoelectrochemical applications", *Colloids and Surfaces B: Biointerfaces* 164, 255-261, 2018.
22. "Electrochemically synthesized 1D and 3D hybrid Fe³⁺ doped ZnSe dandelions for photoelectrochemical cell application", *Optik* 158, 53-63, 2018.
23. "Analytical investigation on domain of decentered parameter for self-focusing of Hermite-cosh-Gaussian laser beam in collisional plasma", *Physics of Plasmas* 25 (3), 033103, 2018.
24. "AC conductivity and dielectric study of Strontium doped lanthanum manganite (LSM) thin films as cathode for SOFC", *International Journal of Scientific Research in Physics and Applied Sciences*, 2018.
25. "Morphological enhancement to CuO nanostructures by electron beam irradiation for biocompatibility and electrochemical performance", *Ultrasonics Sonochemistry* 40, 314-322, 2018.
26. "Synthesis of Fe₃O₄ thin films by reflux method and study the effect of morphology, electrolyte on its supercapacitive performance", *Bulletin of Laser and Spectroscopy Society of India* 23, 99-109, 2017.
27. "Development of glucose oxidase modified polyaniline electrode for electrochemical determination of glucose", *Bulletin of Laser and Spectroscopy Society of India* 23, 124-134, 2017.
28. "Surface deformation study of Co(OH)₂ thin film by double exposure digital holographic interferometry technique", *Bulletin of Laser and Spectroscopy Society of India* 23, 63-70, 2017.
29. "Porous CdSe_{0.6}Te_{0.4} nanoflowers-nanosphere: facile electrochemical synthesis and excellent for photoelectrochemical cell performance", *Ionics* 23 (9), 2489-2496, 2017.

30. "Chemical synthesis of hierarchical NiCo₂S₄ nanosheets like nanostructure on flexible foil for a high performance supercapacitor, Scientific reports 7 (1), 9764, 2017.
31. "High electrochemical performance of nanoflakes like CuO electrode by successive ionic layer adsorption and reaction (SILAR) method", Journal of Industrial and Engineering Chemistry 52, 12-17, 2017.
32. "Chemical synthesis of flower-like hybrid Cu(OH)₂/CuO electrode: Application of polyvinyl alcohol and triton X-100 to enhance supercapacitor performance", Colloids and Surfaces B: Biointerfaces 156, 165-174, 2017.
33. "Electrochemical synthesis: Monoclinic Cu₂Se nano-dendrites with high performance for supercapacitors", Journal of the Taiwan Institute of Chemical Engineers 75, 271-279, 2017.
34. "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 28 (10), 7385-7392, 2017.
35. "Morphological development of CdSe_{0.6}Te_{0.4} nanostructures by simple preparative parameters in electrochemical method and their subsequent influence on photoelectrochemical cell", Journal of Materials Science: Materials in Electronics 28 (9), 6498-6504, 2017.
36. "Supercapacitive properties of CuO thin films using modified SILAR method", Ionics 23 (5), 1259-1266, 2017.
37. "Enhanced solar cell performance of electron beam irradiated CdS photoanode by electrodeposition method", Journal of Solid State Electrochemistry 21 (5), 1517-1522, 2017.
38. "Evaluation of the holographic parameters by electrosynthesized Cd_xZn_{1-x}S (X= 0.3) thin films using double exposure digital holographic interferometry technique", Optics & Laser Technology 88, 194-197, 2017.
39. "Enhanced photoelectrochemical properties of nano flower-like hexagonal CdSe_{0.6}Te_{0.4}: Effect of electron beam irradiation", Journal of Industrial and Engineering Chemistry 45, 92-98, 2017.
40. "Morphological modification of CdSe_{0.6}Te_{0.4} nanostructures by electron irradiation and the effect on photoelectrochemical cells", Journal of Materials Science: Materials in Electronics 28 (2), 1976-1984, 2017.

41. "Structural, optical, and photoelectrochemical properties of nanosphere-like CdXZn1-XS synthesized by electrochemical route", *Ionics* 23 (1), 223-231, 2017.
42. "Galvanostatically Deposited MnO₂ Thin Film and Their Electrochemical Properties", *Materials Focus* 5 (6), 577-579, 2016.
43. "Sensitiveness of light absorption for self-focusing at laser-plasma interaction with weakly relativistic and ponderomotive regime", *Laser and Particle Beams* 34 (4), 669-674, 2016.
44. "Electrochemical Synthesis of Ni Doped ZnSe Thin Film for Photoelectrochemical Cell Application", *Materials Focus* 5 (5), 481-484, 2016.
45. "Structural, morphological, optical and photoelectrochemical cell properties of copper oxide using modified SILAR method", *Journal of Materials Science: Materials in Electronics* 27 (9), 9550-9557, 2016.
46. "Doping effect on SILAR synthesized crystalline nanostructured Cu-doped ZnO thin films grown on indium tin oxide (ITO) coated glass substrates and its characterization", *Materials Research Express* 3 (8), 086402, 2016.
47. "Effect Of 10 Mev Energy Of Electron Irradiation On Fe²⁺ Doped Znse Nanorods And Their Modified Properties", *Ionics* 22 (8), 1451-1460, 2016.
48. "Potentiostatically Deposited MnO₂ Thin Film for Supercapacitor Application", *Materials Focus* 5 (3), 258-260, 2016.
49. "Effect Of Electron Irradiation On Structural, Morphological And Photoluminescence Properties Of Zns Thin Films", *Ceramics International* 42 (8), 10159-10164, 2016.
50. "Electrodeposited Nanosphere Like Cdxzn1-Xs Electrodes For Photoelectrochemical Cell", *Journal of Materials Science: Materials in Electronics* 27 (5), 5145-5152, 2016.
51. "Improved Synthesis Of Copper Oxide Nanosheets And Its Application In Development Of Supercapacitor And Antimicrobial Agents", *Journal of Industrial and Engineering Chemistry* 36, 116-120, 2016.
52. "Effect Of Electron Beam Irradiation On Electro Synthesized Hexagonal Cd_{0.3}Zn_{0.7}S Nanosphere With Excellent Application In Solar Cell", *Applied Surface Science* 368, 1-7, 2016.
53. "Morphological Tuning Of CuO Nanostructures By Simple Preparative Parameters In SILAR Method And Their Consequent Effect On Supercapacitors", *Nano-Structures & Nano-Objects* 6, 5-13, 2016.

54. "Synthesis and characterization of ZnO thin film by low cost modified SILAR Technique", AIMS Materials Science 3 (2), 349-356, 2016.
55. "Theoretical Investigations on Propagation Characteristics of Gaussian Laser Beam in Collisionless plasma under Relativistic nonlinearity", Advances in Light Technologies and Spectroscopy of Materials, 78, 2016.
56. "Preparation of La_{0.9}Sr_{0.1}MnO_{3-δ} (LSM) Thin Films by Spray Pyrolysis Technique for SOFC Cathode", International Journal of Scientific Engineering and Technology 5 (6), 326-330, 2016.
57. "Synthesis and Characterization of LSM Thin Films as Cathode for SOFC", IJSRSET 2(3), 2016.
58. "Studies Of Properties Of Fe³⁺ Doped Znse Nanoparticles And Hollow Spheres For Photoelectrochemical Cell Application", Journal of Alloys and Compounds 653, 22-31, 2015.
59. "Photoelectrochemical Cell Studies Of Fe²⁺ Doped Znse Nanorods Using The Potentiostatic Mode Of Electrodeposition", Journal of colloid and interface science 458, 136-146, 2015.
60. "Studies Of Properties Of Fe²⁺ Doped Znse Nano-Needles For Photoelectrochemical Cell Application", Journal of Materials Science: Materials in Electronics 26 (11), 8904-8914 2015.
61. "Electrosynthesis Of Nanoflower Like-Zns Thin Films And Its Characterizations", Journal of Materials Science: Materials in Electronics 26 (11), 8563-8567, 2015.
62. "Electrochemical Synthesis of Iron Oxide-Polyaniline Composite Thin Film for Supercapacitor Electrode", Advanced Science Letters 21 (8), 2645-2648, 2015.
63. "Effect of Mn:(CuO/Cu (OH)₂) Electrodes for Supercapacitors Application", Advanced Science Letters 21 (8), 2590-2593, 2015.
64. "Temperature Dependence of Cationic and Anionic Precursor on Morphological Improvement of CuO Electrodes and Its Consequent Effect on Electrochemical Supercapacitive Properties", Advanced Science Letters 21 (8), 2653-2656, 2015.
65. "Surfactant-Assisted Morphological Modification of Hierarchical CuO Thin Films for Electrochemical Supercapacitors", Advanced Science Letters 21 (8), 2594-2597, 2015.
66. "Electrochemical Synthesis of Nanorods-Like CdS Electrode for Solar Cell Application", Advanced Science Letters 21 (8), 2641-2644, 2015.

67. "Synthesis And Characterizations Of Chemically And Electrochemically Polymerized Polyaniline Thin Films For Energy Storage", *Advanced Science Letters* 21 (8), 2534-2538, 2015.
68. "Synthesis Of Nanoflakes-Like Shapes Of Zinc Sulfide Grown At Room Temperature By Electrodeposition Method", *Superlattices and Microstructures* 83, 565-574, 2015.
69. "Synthesis, Characterization And Surface Wettability Study Of Polypyrrole Films: Effect Of Applied Constant Current Density", *Electronic Materials Letters* 11 (2), 266-270, 2015.
70. "Synergetic Effect Of Electron Irradiation On The Supercapacitive Properties Of Electrodeposited Iron Oxide Thin Films", *IJSER*, 6, 78-81, 2015.
71. "Hydrophilic Semiconducting Micro-Chip Like Cu Doped Zns Thin Films Grown At Room Temperature", 2015.
72. "Influence Of Mn Incorporation On The Supercapacitive Properties Of Hybrid CuO/Cu (OH) 2 Electrodes", *RSC Advances* 5 (39), 30478-30484, 2015.
73. "Studies On Synthesis And Characterization Of Copper Sulfide Thin Films", *Journal of Shivaji University (Science and Technology)* 4 (2), 1-3, 2015.
74. "Structural, Morphological and Optical Studies of ZnS Thin Films Produced by Electrodeposition Method", *ISSN-Science-0250-5347, Volume, 2* 2015.
75. "Preparation And Characterization Of Iron Doped Zinc Selenide Thin Film By Electrodeposition", *Journal of Shivaji University (Science and Technology)* 41 (2), 1-3, 2015.
76. "Hierarchical 3D-Flower-Like CuO Nanostructure On Copper Foil For Supercapacitors", *RSC Advances* 5 (6), 4443-4447, 2015.
77. "Structural, Morphological, Optical And Photoluminescent Properties Of Spray-Deposited Znse Thin Film", *Journal of Semiconductors* 35 (11), 113001, 2014.
78. "Facile Synthesis Of Maghemite Nanoflakes Arrays For Supercapacitor Application", *Materials Science in Semiconductor Processing* 27, 682-688, 2014.
79. "Nanoflower-Like CuO/Cu(OH)₂ Hybrid Thin Films: Synthesis And Electrochemical Supercapacitive Properties", *Journal of Electroanalytical Chemistry* 732, 80-85, 2014.
80. "Baking Impact Of Fe Composition On Cdse Films For Solar Cell Application", *Materials Letters* 132, 243-246, 2014.

81. "Structural, Optical, Photoluminescence, Electrochemical, And Photoelectrochemical Properties Of Fe Doped Znse Hexagonal Nanorods", Materials Science in Semiconductor Processing 26, 548-554, 2014.
82. "Synthesis Of Irradiated Zinc Sulfide Nanoflakes For Photosensitive Study", Materials Science in Semiconductor Processing 26, 144-148, 2014.
83. "Structural, Optical, And Photo-Electrochemical Properties Of Marygold-Like Cdse_{0.6}Te_{0.4} Synthesized By Electrochemical Route", Ceramics International 40 (8), 11519-11524, 2014.
84. "Morphological Modulation Of Mn: Cdse Thin Film And Its Enhanced Electrochemical Properties", Journal of Electroanalytical Chemistry 727, 179-183, 2014.
85. "Synthesis And Characterization Of Chemically Deposited Flower-Like Cdse_{0.6}Te_{0.4} Thin Films For Solar Cell Application", Materials Letters 126, 17-19, 2014.
86. "Optical Properties Of Electrochemically Synthesized Polypyrrole Thin Films: The Electrolyte Effect", Journal of Semiconductors 35 (6), 063001, 2014.
87. "Structural And Electrical Characterization Of Spray Deposited La_{0.9} Sr_{0.1} MnO₃ (LSM) Thin Film", Proceedings of the DAE-BRNS fifth interdisciplinary symposium on materials, 2014.
88. "Synthesis And Characterization Of Copper Doped Cadmium Sulphide Thin Films By Electrodeposition Method", J. Shivaji Uni.(Science & Technology) 41 (2), 2014.
89. "Chemical Synthesis Of Polypyrrole Thin Films Using Ferric Nitrate As An Oxidant", Journal of Shivaji University (Science & Technology) 41 (2), 2014.
90. "Electronic Impurities (Fe, Mn) Doping In Cdse Nanostructures For Improvements In Photoelectrochemical Applications", RSC Advances 4 (63), 33184-33189, 2014.
91. "Structural, Photoluminescence And Photoelectrochemical Properties Of Electrosynthesized Znse Spheres", Journal of Materials Science: Materials in Electronics, 1-8, 2014.
92. "Surface Deformation Of Basrtio₃ By DEHI Technique", Advances in Applied Science Research, 5 (1), 197-200, 2014.
93. "The Influence Of Monomer Concentration On The Optical Properties Of Electrochemically Synthesized Polypyrrole Thin Films", Journal of Semiconductors 34 (10), 103002, 2013.

94. "Electrochemical Synthesis Of Photosensitive Nano-Nest Like CdSe_{0.6}Te_{0.4} Thin Films", Applied Surface Science 282, 561-565, 2013.
95. "The Effects Of Electron Irradiation On The Optical Properties Of The Organic Semiconductor Polypyrrole", Journal of Semiconductors 34 (9), 093001, 2013.
96. "Synthesis Of Hydrophilic Polypyrrole Thin Films By SILAR Method", Mater Phys Mech 16 (2013), 118-12, 2013.
97. "Irradiated Mns Nanostructures: Surface Wettability And Photoluminescence Properties", Materials Letters 98, 250-253, 2013.
98. "Photoelectrochemical Cell Performance Of Electrodeposited Iron Doped Zinc Selenide Thin Film", Energy Efficient Technologies for Sustainability (ICEETS), 411-413, 2013.
99. "Studies On Electrochemically Synthesized Polypyrrole (Ppy) Thin Films For Supercapacitor Application", Energy Efficient Technologies for Sustainability (ICEETS), 2013.
100. "Chemical Oxidative Polymerization And Characterization Of Polypyrrole Thin Films For Supercapacitor Application", Energy Efficient Technologies for Sustainability (ICEETS), 2013.
101. "Synthesis Of Polyaniline Nanofibres By SILAR Method For Supercapacitor Application", Energy Efficient Technologies for Sustainability (ICEETS), 2013.
102. "Effect Of Electron Beam Irradiation On Electrodeposited Nanostructured Copper Selenide Thin Films", Energy Efficient Technologies for Sustainability (ICEETS), 2013.
103. "Galvanostatically Deposited Cd_{0.7}Fe_{0.3}Se Electrode For Solar Cell Application", Energy Efficient Technologies for Sustainability (ICEETS), 2013.
104. "Combined Effect Of Ponderomotive And Relativistic Self-Focusing On Laser Beam Propagation In A Plasma", Applied Physics B 111 (1), 1-6, 2013.
105. "Synthesis Of Hollow Spheres Of Copper Sulfide By Electron Irradiation", Materials Letters 93, 316-318, 2013.
106. "Synthesis, Characterization And Surface Deformation Study Of Nanocrystalline Ag₂Se Thin Films", Materials Physics and Mechanics 17 (1), 47-58, 2013.
107. "Copper Sulfide Nanorods Grown At Room Temperature For Photovoltaic Application", Materials Letters 90, 138-141, 2013.

108. "Self-Focusing Of Gaussian Laser Beam In Relativistic Cold Quantum Plasma", *Optik-International Journal for Light and Electron Optics* 124 (2), 180-183, 2013.
109. "Synthesis Of Cus Nanorods Grown At Room Temperature By Electrodeposition Method", *Materials Chemistry and Physics* 137 (1), 353-358, 2012.
110. "A Nanostructured Copper Telluride Thin Film Grown At Room Temperature By An Electrodeposition Method", *Journal of Semiconductors* 33 (9), 093002, 2012.
111. "Impact Of Linear Absorption On Self-Focusing Of Gaussian Laser Beam In Collisional Plasma", *Optics and Lasers in Engineering* 50 (9), 1316-1320, 2012.
112. "Optical Absorption Study Of Electrochemically Synthesized Polypyrrole (Ppy) Thin Films", *International Conference on Optical Engineering (ICOE)*, 1-4, 2012.
113. "Effect Of Morphology On Supercapacitive Properties Of Chemically Grown B-Ni (OH)₂ Thin Films", *Microporous and Mesoporous Materials* 151, 511-516, 2012.
114. "Relativistic Self-Focusing Of Cosh-Gaussian Laser Beams In A Plasma", *Optics & Laser Technology* 44 (2), 314-317, 2012.
115. "Fluorescence Quenching Using Plasmonic Gold Nanoparticles", *Optics Communications* 284 (19), 4761-4765, 2011.
116. "Studies On Surface Deformation Of Copper Sulphide Thin Films By Holographic Interferometry Technique", *Optik-International Journal for Light and Electron Optics* 122 (12), 1069-1072, 2011.
117. "Supercapacitive Behavior Of Electrosynthesized Marygold-Like Structured Nickel Doped Iron Hydroxide Thin Film", *Journal of Alloys and Compounds* 509 (21), 6257-6261, 2011.
118. "Single Step Electrochemical Synthesis Of Sb₂Se₃ Thin Films: Effect Of Molarities Of Precursor Solution", *Journal of Materials Science* 46 (8), 2789-2795, 2011.
119. "Chemical synthesis of Fe₂O₃ thin films for supercapacitor application", *Journal of Alloys and Compounds* 509 (5), 2567-2571, 2011.
120. "Surface Deformation Of Cadmium Telluride Thin Films By DEHI Technique", *Archives of Applied Science Research* 3 (1), 186-191, 2011.

121. "Characterization Of Cadmium Selenide Thin Films By Electrodposition And Its Holographic Study", Journal of Optics 39 (4), 167-174, 2010.
122. "Monitoring Intrinsic Stress Induced In The Cdse Thin Films During Deposition By Double Exposure Holographic Interferometric Technique", Chalcogenide Letters 7 (7), 455-463, 2010.
123. "Chemical Synthesis And Characterization Of Mn₃O₄ Thin Films For Supercapacitor Application", Journal of Alloys and Compounds 497 (1-2), 166-170, 2010.
124. "Room Temperature Soft Chemical Route For Nanofibrous Wurtzite ZnO Thin Film Synthesis", Applied Surface Science 256 (9), 2680-2685, 2010.
125. "Studies On Surface Deformation Of Copper Chalcogenide Thin Films By Double Exposure Holographic Interferometry Technique", 2010.
126. "Effect of electron beam irradiation on the properties of silver telluride thin films", Bionano Frontier,, 138, 2010.
127. "Electrochemical Synthesis Of Sb₂Se₃ Thin Films And Its Holographic Study Using He-Ne laser", Bionano Frontier, 184, 2010.
128. "Measurement of Properties of Electrodeposited CuSe Thin Films by Double Exposure Holographic Interferometry", Bionano Frontier, 9, 2010.
129. "Monitoring the Cadmium Sulfide Thin Films by Double-Exposure Holographic Interferometry Technique", Asian Journal of Research in Chemistry 3 (4), 950-954, 2010.
130. "Electric and Dielectric Bahaviour of PbZr_{0.6}Ti_{0.4}O₃ and PbSr_{0.6}Ti_{0.4}O₃ Ceramics", Asian Journal of Research in Chemistry 3 (3), 611-615, 2010.
131. "Monitoring the Deposition of Copper Selenide Thin Films by Double Exposure Holographic Interferometry", Asian Journal of Research in Chemistry 3 (3), 566-570, 2010.
132. "Measurement Of Properties Of Copper Telluride Thin Films Using Holography", Progress in Electromagnetics Research 12, 53-64, 2010.
133. "Studies On Electrical, And Dielectric Properties Of Nano Sized PbZr_{0.9}Ti_{0.1}O₃ Ceramics", National Conference on Nanomaterials and Nanotechnology (ISBN 978-93-80043-61-6), 2009.
134. "Modification Of Structural, Optical And Surface Wettability Of Bismuth Sulphide Thin Films Using Electron Beam Irradiation", National Conference on Nanomaterials and Nanotechnology (ISBN 978-93-80043-61-6) , 2009.

135. “Double Exposure Holographic Interferometry Technique for Electrodeposited Cadmium Telluride Thin films”, National Conference on Nanomaterials and Nanotechnology (ISBN 978-93-80043-61-6) , 2009.
136. “Modification Of Structural, Optical, Surface Wettability And FT-Raman Spectroscopy Of Nanostructure Silver Sulphide Thin Film Using Electron Beam Irradiation”, National Conference on Nanomaterials and Nanotechnology (ISBN 978-93-80043-61-6), 2009.
137. “Double Exposure Holographic Interferometry Technique Used For Characterization Of Electrodeposited Copper Telluride Thin Films”, National Conference on Nanomaterials and Nanotechnology (ISBN 978-93-80043-61-6), 2009.
138. “A Novel Chemical Synthesis Of Interlocked Cubes Of Hausmannite Mn_3O_4 Thin Films For Supercapacitor Application”, Journal of Alloys and Compounds 484 (1-2), 218-221, 2009.
139. “Liquefied Petroleum Gas (LPG) Sensing Performance Of Electron Beam Irradiated Chemically Deposited TiO_2 Thin Films”, Sensors and Actuators B: Chemical 141 (1), 58-64, 2009.
140. “Characterization Of Electrodeposited Bi_2S_3 Thin Films By Holographic Interferometry”, Optics Communications 282 (15), 3127-3131, 2009.
141. “Self-Focusing And Defocusing Of TEM_{0p} Hermite–Gaussian Laser Beams In Collisionless Plasma”, Optics Communications 282 (15), 3157-3162, 2009.
142. “Studies On Electrodeposited As_2S_3 Thin Films By Double Exposure Holographic Interferometry Technique”, Applied Surface Science 255 (20), 8688-8694, 2009.
143. “Measurement Of Properties Of Silver Telluride Thin Films Using Holography”, Optics Communications 282 (11), 2118-2122, 2009.
144. “Characterization Of Honeycomb-Like “B-Ni (OH)₂” Thin Films Synthesized By Chemical Bath Deposition Method And Their Supercapacitor Application”, Journal of Power Sources 188 (1), 338-342, 2009.
145. “Studies On Electrodeposited Silver Sulphide Thin Films By Double Exposure Holographic Interferometry”, Applied Surface Science 255 (5), 1819-1823, 2008.

146. “Propagation Of Hermite-Cosh-Gaussian Laser Beams In Non-Degenerate Germanium Having Space Charge Neutrality”, Journal of Modern Optics 55 (21), 3529-3535, 2008.
147. “Study Of Diffusion Process In Sucrose Solution By Using Double Exposure Holographic Interferometry (DEHI)”, Journal of Optics 36 (4), 157-168, 2007.
148. “Analytical Study Of Hchg-Laser Beam Propagation In Collisional And Collisionless Plasmas”, Journal of Optics 36 (3), 136-144, 2007.
149. “Determination Of Diffusion Coefficient Of Lactose Solution”, Journal of Holography and Speckle 4 (1), 11-17, 2007.
150. “Studies On Electrodeposited Silver Selenide Thin Film By Double Exposure Holographic Interferometry”, Materials Science and Engineering: B 137 (1-3), 232-236, 2007.

National and International Events Organized: 28

Conferences/Symposia/Seminars/Workshops; Attended/Participated:

Sr. No.	Title of the paper presented	Title of Conference / Seminar	Organized by	International / National
1	PVA assisted chemical synthesis of cauliflower network of cadmium sulphide thin films at ambient temperature	ICNAMA-2008	Shivaji University, Kolhapur, Maharashtra.	International
2	Studies on electrodeposited copper sulfide thin films by Double Exposure Holographic Interferometry	ICNAMA-2008	Shivaji University, Kolhapur,	International
3	Fuzzy Nanofibrous Poltaniline Thin Films for Supercapacitor	ACEPS-3 2008	Korea University, Seoul South Korea.	International
4	Studies on surface deformation using AS ₂ S ₃ thin films by Double Exposure Holographic Interferometry technique	ICNAMA-2008	Shivaji University, Kolhapur	International
5	Studies on properties of Silver telluride thin films by Double Exposure Holographic Interferometry	NSLS- 2009	Dr. Hari Sing Gaur Vishwavidyalaya, SAGAR. (M.P.)	National

6	Double Exposure Holographic Interferometric study on Bi_2S_3 thin films	NSLS- 2009	Sagar University, SAGAR (M.P.)	National
7	Studies on surface deformation of Cadmium sulphide (CdS) thin films by Holographic Interferometry technique	NSLS- 2009	Sagar University, SAGAR (M.P.)	National
8	Studies on electrodeposited copper sulfide thin films by Double Exposure Holographic Interferometry	ICNAMA-2008	Shivaji University, Kolhapur, Maharashtra.	International
9	Effect of electron irradiation on the properties of electrodeposited silver sulphide thin films	ICNAMA-2008	Shivaji University, Kolhapur, Maharashtra.	International
10	Synthesis of Zinc hydroxide microflakes on flexible substrates for solar cell application	ICNAMA-2008	Shivaji University, Kolhapur, Maharashtra.	International
11	Studies on surface deformation of cadmium selenide thin films by holographic interferometry technique	ICNAMA-2008	Shivaji University, Kolhapur, Maharashtra.	International
12	Room temperature synthesis of TiO_2 nanorods by chemical bath deposition method	ICNAMA-2008	Shivaji University, Kolhapur, Maharashtra.	International
13	Surface deformation Studies on electrodeposited Copper selenide thin films by Double exposure Holographic Interferometry	NSLS- 2009	Dr. Hari Sing Gaur Vishwavidyalaya, Sagar	National
14	Preparation and characterization of ferroelectric ceramics	NSLS- 2009	Sagar University, SAGAR (M.P.).	National
15	Measurement of Properties of CuSe Thin Films by Holography	NSAM-2010	Shivaji University, Kolhapur, Maharashtra.	National
16	Electrochemical synthesis of Sb_2Se_3 thin films	NSAM-2010	Shivaji University, Kolhapur, Maharashtra.	National
17	Effect of electron beam irradiation on the properties of electrodeposited arsenic trisulphide thin films	NSAM-2010	Shivaji University, Kolhapur, Maharashtra	National
18	Preparation and characterization of BaSrTiO_3 ceramics	NSAM-2010	Shivaji University, Kolhapur, Maharashtra	National
19	Bottom up Approach” Flower like structured nickel ferrite thin films for Supercapacitor application	NSAM-2010	Shivaji University, Kolhapur, Maharashtra	National

20	An impact of absorption on propagation of Gaussian electromagnetic beam in Collisional Plasma	NSAM-2010	Shivaji University, Kolhapur, Maharashtra	National
21	Mutual focusing of two coaxial cosh Gaussian laser beam in a parabolic medium	NSAM-2010	Shivaji University, Kolhapur, Maharashtra	National
22	Preparation and Characterization of CdS Thin Films By Double Exposure Holographic Interferometry Technique	IWSSCGGC-2010	Centre for materials for Electronics Technology, Pune	International
23	Monitoring the cadmium chalcogenides (CdS, CdSe and CdTe) thin films by double exposure holographic interferometry technique	IWSSCGGC-2010	Centre for materials for Electronics Technology, Pune	International
24	Synthesis of Bi ₂ Se ₃ thin films by electrodeposition and its holographic study	IWSSCGGC-2010	Centre for materials for Electronics Technology, Pune	International
25	Characterization of Electrodeposited Copper Selenide Thin Films by Holography	IWSSCGGC-2010	Centre for materials for Electronics Technology, Pune	International
26	Comparative study of CuS and CuTe thin films using holography	IWSSCGGC-2010	Centre for materials for Electronics Technology, Pune	International
27	Effect of doping Zn ²⁺ ions on electric and dielectric behaviour of PbTiO ₃ nanoceramics	IWSSCGGC-2010	Centre for materials for Electronics Technology, Pune	International
28	Studies on structural, electric and dielectric behaviour of PZT nano ceramic powders	IWSSCGGC-2010	Centre for materials for Electronics Technology, Pune	International
29	Modifications of structural, optical and surface wettability of bismuth sulphide thin films by using electron beam irradiation	ICMM-2010	Banaras Hindu University, Varanasi.	International
30	Characterization of cadmium telluride thin films by electrodeposition and its holographic study	ICMM-2010	Banaras Hindu University, Varanasi.	International
31	Characterization of Copper Selenide Thin Films by DEHI Technique	ICMM-2010	Banaras Hindu University, Varanasi.	International

32	Synthesis and characterization of electrodeposited polycrystalline Bi_2Se_3 thin film and its surface deformation study using holographic interferometry technique	ICMM-2010	Banaras Hindu University, Varanasi.	International
33	Numerical Study of Propagation of TEM ₂₂ Hermite-Gaussian Laser Mode in Collisional Plasma	ICMM-2010	Banaras Hindu University, Varanasi.	International
34	Synthesis and characterization ZnS Thin Films and its holographic study	ICMM-2010	Banaras Hindu University, Varanasi.	International
35	Numerical Study of Propagation of TEM ₂₂ Hermite-Gaussian Laser Mode in Collisionless Plasma	ICMM-2010	Banaras Hindu University, Varanasi.	International
36	Refractive Index Chemical Sensor Using Fiber Bragg Grating	ICMM-2010	Banaras Hindu University, Varanasi.	International
37	Synthesis, Characterization, Raman Spectra & Dielectric Behaviour of Nano-Sized PZT Ceramics	ICMM-2010	Banaras Hindu University, Varanasi.	International
38	High capacitance of chemically deposited Polyaniline/Polypyrrole composite thin films	ICMM-2010	Banaras Hindu University, Varanasi.	International
39	Two chemical synthesis of cobalt-nickel mixed oxide thin films for supercapacitors	ICMM-2010	Banaras Hindu University, Varanasi.	International
40	Chemical synthesis of honeycomb like -Ni(OH)_2 for supercapacitor: Effect of precursors	ICMM-2010,	Banaras Hindu University, Varanasi.	International
41	Potentiodynamically deposited Polypyrrole electrodes for supercapacitors	ICMM-2010	Banaras Hindu University, Varanasi.	International
42	Electrodeposition of Polypyrrole (Ppy) Thin Films by potentiodynamic mode for Supercapacitor Application	NSPM-MDF-2011	Shivaji University, Kolhapur	National
43	Electrosynthesized NiFe_2O_4 thin films from ethylene glycol bath for supercapacitor application	NSPM-MDF-2011	Shivaji University, Kolhapur	National
44	Enhancement in structural, optical and surface wettability of Sb_2S_3 thin films by electron beam irradiation	NSPM-MDF-2011	Shivaji University, Kolhapur	National
45	Effect of electron irradiation on the Electrodeposited Cadmium Selenide thin films	NSPM-MDF-2011	Shivaji University, Kolhapur	National

46	Comparative study of CuS and CuTe thin films by holography	NSPM-MDF-2011	Shivaji University, Kolhapur	National
47	Effect of annealing temperature on electrodeposited Bi ₂ Se ₃ thin films and its holographic study	NSPM-MDF-2011	Shivaji University, Kolhapur	National
48	Dielectric behavior of Zn ²⁺ substituted PbTiO ₃ nanoceramic	NSPM-MDF-2011	Shivaji University, Kolhapur	National
49	Development of room temperature technology for LPG detection	NSPM-MDF-2011	Shivaji University, Kolhapur	National
50	Effect if Li doping on structural , morphological and wettabilitical properties of SILAR deposited NiFe ₂ O ₄ thin films	NSPM-MDF-2011	Shivaji University, Kolhapur	National
51	Chemical bath deposited Li doped NiFe ₂ O ₄ thin films and their structural, morphological and wettabilitical properties	NSPM-MDF-2011	Shivaji University, Kolhapur	National
52	Numerical study of propagation of TEM 22 Hermite Gaussian laser mode in the collisional	NSPM-MDF-2011	Shivaji University, Kolhapur	National
53	Dielectric Behavior of Magnesium-Cadmium Ferrites	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
54	Thermoelectric Power & DC Electrical Conductivity of Mg – Cd Ferrites	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
55	Structural, Electrical & Dielectric Studies of Pb _{0.6} Sr _{0.4} TiO ₃ Ceramics	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
56	Chemical Synthesis of Polypyrrole Thin Films using Ferric nitrate as an Oxidant.	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
57	Electrochemical Synthesis of Iron Oxide Thin Films	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
58	Synthesis and Characterization of Cu doped Cadmium Sulphide Thin Films by Electrodeposition Method	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
59	Ultra-hydrophobic silica coatings on glass by sol-gel dip coating process using surface silylation method	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
60	Surface Deformation Study of Electrochemically Synthesized Polypyrrole Thin Films by Double Exposure Holographic Interferometry Technique	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
61	Chemical Synthesis of Polypyrrole Thin Films using Ferric nitrate as an Oxidant	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International

62	Studies on synthesis and characterization of Copper Sulphide thin films	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
63	Preparation and Characterization of $\text{Cd}_x\text{Zn}_{1-x}\text{S}$ Thin Films by Electrodeposition Method	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
64	Preparation and Characterization Iron doped Zinc Selenide Thin Film by Electrodeposition	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
65	Electrochemical Synthesis of Undoped and Cu Doped Zinc Sulphide Thin Films.	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
66	Characterization and Surface Deformation Study of Electrodeposited Polyaniline Thin Films.	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
67	Effect of electron irradiation on the Electrodeposited Cadmium sulfide thin films	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
68	Chemical Synthesis and Characterization of Polypyrrole Thin Films by SILAR Method	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
69	Comparative study of CuSe and CuTe thin films using electromagnetic waves	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
70	Structural, morphological and optical studies of ZnS thin films produced by electrodeposition method	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
71	Structural and optical studies of electrodeposited ZnSe thin films	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
72	Structural, optical and surface wettability study of electron beam irradiated group V-VI compound films	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
73	Effect of electron irradiation on the properties of CdSe thin films	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
74	Structural, optical and morphological properties of Electrodeposited copper selenide films	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
75	Preparation and Characterization of $\text{CdSe}_{0.6}\text{Te}_{0.4}$ Thin Films by Electrodeposition Method	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
76	Endoscopic-Electronic Speckle Pattern Interferometry	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International

77	Studies on copper oxide thin films by Double Exposure Holographic Interferometry	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
78	Self-focusing of Gaussian laser beam in collisional plasma: Effect of linear absorption and initial curvature of the beam	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
79	By using double exposure holographic interferometry technique to study the electrodeposited YS thin films,	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
80	Dielectric Behaviour of PbTiO ₃ Nanoceramics with Zn ²⁺ Ions as Dopants	ICPM-MDF-2012,	Shivaji University, Kolhapur.	International
81	Optical absorption study of electrochemically synthesized Polypyrrole(Ppy) thin films	ICOE-2012	Visvesvaraya Technological University, Belgaum, India..	International
82	“Optical absorption study of electrochemically synthesized Polypyrrole(Ppy) thin films”	International Conference on Optical Engineering	Visvesvaraya Technological University, Belgaum, India.	International
83	Holographic Study of Electro Synthesized Nanocrystalline Ag ₂ Se Thin Films	NCRTNT-2012	Vivekanand College Kolhapur	National
84	“ Optical Properties of Fe Doped ZnSe Thin Film by Electrodeposition	NSPM-MDF-2013	Department of Physics, Shivaji University, Kolhapur	National
85	Optical Properties of Electrodeposited Ni Doped ZnSe Thin Film”,	NSPM-MDF-2013	Department of Physics, Shivaji University, Kolhapur	National
86	“Preparation and Optical Properties of Electrodeposited Zn _{1-x} Fe _x Se Thin Film”,	NSPM-MDF-2013	Department of Physics, Shivaji University, Kolhapur	National
87	Characterization of Copper Sulphide Thin Films by Holographic Interferometry”,	NSPM-MDF-2013	Department of Physics, Shivaji University, Kolhapur	National
88	“Synthesis and Characterization of Polyaniline-PVA Composite Thin Films by SILAR Method”,	NSPM-MDF-2013	Department of Physics, Shivaji University, Kolhapur	National
89	Polymer Assisted Growth of Ferric	NSPM-MDF-	Department of	National

	Oxide (Fe_2O_3) Thin Films”,	2013	Physics, Shivaji University, Kolhapur	
90	Effect of Composition on Structural, Optical and Electrical Properties of Electrodeposited $\text{Cd}_{1-x}\text{Fe}_x\text{Se}$ Thin Films”	NSPM-MDF-2013	Department of Physics, Shivaji University, Kolhapur	National
91	“Studies on Electrodeposited $\text{Cd}_{1-x}\text{Mn}_x\text{Se}$ Thin Films”,	NSPM-MDF-2013	Department of Physics, Shivaji University, Kolhapur	National
92	Deposition Time Dependence of Optical Properties of Electrodeposited $\text{CdSe}_{0.6}\text{Te}_{0.4}$ Thin Films”	NSPM-MDF-2013	Department of Physics, Shivaji University, Kolhapur	National
93	Electrochemical Synthesis of Copper Telluride Thin Films by Holography”,	NSPM-MDF-2013	Department of Physics, Shivaji University, Kolhapur	National
94	Effects of irradiation on optical properties of organic semiconductor-based single oscillator mode polypyrrole”	NSPM-MDF-2013	Department of Physics, Shivaji University, Kolhapur	National
95	“Surface wettability study of chemically polymerized polypyrrole thin films”,	NSPM-MDF-2013	Department of Physics, Shivaji University, Kolhapur	National
96	Surface Wettability Study of Electrochemically Synthesized Polypyrrole Thin Films”,	NSPM-MDF-2013	Department of Physics, Shivaji University, Kolhapur	National
97	Super hydrophobic behavior of electrodeposited Sb_2S_3 films using Electron Beam Irradiation	NSPM-MDF-2013	Department of Physics, Shivaji University, Kolhapur	National
98	Spray pyrolytic synthesis of $\text{La}_{0.9}\text{Sr}_{0.1}\text{MnO}_3$ Thin films	NSPM-MDF-2013	Department of Physics, Shivaji University, Kolhapur	National
99	Effect of Precursor Concentration on Electro Synthesis of Nanocrystalline Ag_2Se Thin Films	National conference on Current Researches in Chemical Sciences (CRCS 2013)	Department of Chemistry, Shivaji University, Kolhapur	National

100	Electro Synthesis of Nanocrystalline Ag ₂ S Thin Films	NCRASEM-2013	Dhananjay MAhadik Gruop of Institutions, Kolhapur	National
101	Structural and Spectroscopic Study of La _{0.9} Sr _{0.1} MnO _{3-δ} Thin Films for Solid Oxide Fuel Cell Application,	2 nd ICPMMDF-2014	Shivaji University, Kolhapur.	International
102	Structural, Photoluminescence and Photoelectrochemical cell properties of galvanostatically electrosynthesized Fe doped ZnSe hexagonal nanorods,	ICPMMDF-2014	Shivaji University, Kolhapur	International
103	Hydrophilic semiconducting polyaniline thin films for supercapacitor application	ICPMMDF-2014	Shivaji University, Kolhapur.	International
104	Effect of different modes of electrodeposition on photoelectrochemical properties of CdSe _{0.6} Te _{0.4} thin films,	ICPMMDF-2014	Shivaji University, Kolhapur	International
105	Electrosynthesis of Maghemite Nanoflakes Arrays for Supercapacitor Electrode,	ICPMMDF-2014	Shivaji University, Kolhapur.	International
106	Effect of electron beam irradiation on the electrodeposited Sb ₂ Se ₃ thin films, ,	ICPMMDF-2014	Shivaji University, Kolhapur	International
107	The high energy electron irradiation effects on the electrochemically synthesized ⁰ polypyrrole thin films,	ICPMMDF-2014	Shivaji University, Kolhapur	International
108	Electrochemical synthesis of polypyrrole thin films and its optical study,	ICPMMDF-2014	Shivaji University, Kolhapur	International
109	Determination and analysis of dispersive optical constant of polypyrrole thin films,	ICPMMDF-2014	Shivaji University, Kolhapur	International
110	Chemical synthesis of TiO ₂ nanoparticles for solar cell application	ICPMMDF-2014	Shivaji University, Kolhapur.	International
111	Electrosynthesis of nanoflower like-ZnS thin films and its characterizations	NSPM-MDF-2014	Department of Physics, Shivaji University, Kolhapur	National
112	Effect of precursors on electrochemical properties of	NSPM-MDF-2014	Department of Physics, Shivaji	National

	maghemite thin films for supercapacitor application		University, Kolhapur	
113	Structural, Optical, photoluminescence, electrochemical, and photoelectrochemical properties of Fe ²⁺ doped ZnSe thin film	NSPM-MDF-2014	Department of Physics, Shivaji University, Kolhapur	National
114	Temperature dependant photoluminescence of ZnSe nanostructure	NSPM-MDF-2014	Department of Physics, Shivaji University, Kolhapur	National
115	Chemical synthesis of Polyaniline thin films for energy storage application	NSPM-MDF-2014	Department of Physics, Shivaji University, Kolhapur	National
116	TiO ₂ based dye sensitized solar cell (DSSC) and its electrochemical properties	NSPM-MDF-2014	Department of Physics, Shivaji University, Kolhapur	National
117	Temperature dependence of cationic and anionic precursor on morphological improvement of CuO electrodes and its consequent effect on electrochemical supercapacitive properties	NSPM-MDF-2014	Department of Physics, Shivaji University, Kolhapur	National
118	Electrochemical synthesis of cauliflower-like CuSe thin films for supercapacitors application	NSPM-MDF-2014	Department of Physics, Shivaji University, Kolhapur	National
119	Layered iron oxide-polyaniline composite thin films for supercapacitor application	NSPM-MDF-2014	Department of Physics, Shivaji University, Kolhapur	National
120	Insight into the supercapacitive properties of electrochemically reduced graphene oxide	NSPM-MDF-2014	Department of Physics, Shivaji University, Kolhapur	National
121	Synthesis of Cu doped ZnO thin films and its characterizations.	ICMSIRSA-2016	Department of Physics, Shivaji University, Kolhapur	International
122	Structural, Morphological and optical properties of chemically synthesized hematite (Fe ₂ O ₃) thin films.	ICMSIRSA-2016	Department of Physics, Shivaji University, Kolhapur	International

123	Structural and morphological studies of electrodeposited polyaniline thin films.	ICMSIRSA-2016	Department of Physics, Shivaji University, Kolhapur	International
124	Structural, Morphological and Optical characterizations of Mn doped ZnO thin films.	ICMSIRSA-2016	Department of Physics, Shivaji University, Kolhapur	International
125	Synthesis and characterization of copper oxide thin films using the SILAR method.	ICMSIRSA-2016	Department of Physics, Shivaji University, Kolhapur	International
126	Synthesis and characterization of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ ($x=0.0-0.4$) by solution combustion method	ICMSIRSA-2016	Department of Physics, Shivaji University, Kolhapur	International
127	Influence on Photoluminescence of galvanostatically electrodeposited $\text{Cd}_{0.3}\text{Zn}_{0.7}\text{S}$ thin film	ICMSIRSA-2016	Department of Physics, Shivaji University, Kolhapur	International
128	Optical properties of chemically synthesized hematite (Fe_2O_3) thin films: Influence of deposition time.	ICMSIRSA-2016	Department of Physics, Shivaji University, Kolhapur	International
129	Potentiostatically deposited MnO_2 / polyaniline thin film for supercapacitor application.	ICMSIRSA-2016	Department of Physics, Shivaji University, Kolhapur	International
130	Synthesis and characterization of copper oxide thin films for supercapacitor.	ICMSIRSA-2016	Department of Physics, Shivaji University, Kolhapur	International
131	Structural Properties of $\text{La}_{0.9}\text{Sr}_{0.1}\text{MnO}_{3-\delta}$ Thin Films for Solid Oxide Fuel Cell Application.	ICMSIRSA-2016	Department of Physics, Shivaji University, Kolhapur	International
132	Effect of electron irradiation on supercapacitive properties of electrochemically prepared polyaniline thin films.	ICMSIRSA-2016	Department of Physics, Shivaji University, Kolhapur	International
133	Effect of 4.5 MeV electron irradiation on $\text{Cd}_{0.5}\text{Zn}_{0.5}\text{S}$ thin films.	ICMSIRSA-2016	Department of Physics, Shivaji University, Kolhapur	International
134	Effect Of Electron Beam Irradiation On Structural, Optical And Surface Wettability Of Electrodeposited	ICMSIRSA-2016	Department of Physics, Shivaji University,	International

	Antimony Sulphide Thin Films.		Kolhapur	
135	Theoretical investigations of propagation characteristics of Gaussian and higher laser modes in slightly ionized plasma under weak non linearity	ICMSIRSA-2016	Department of Physics, Shivaji University, Kolhapur	International
136	Electrochemically deposited Fe ³⁺ doped ZnSe dandelion for photoelectrochemical cell application	NCLA-2016	Govt. College Quepem Goa	National
137	Synthesis and characterization of copper oxide thin films for supercapacitor	NCLA-2016	Govt. College Quepem Goa	National
138	Synthesis and characterization of Mn ferrite thin films using Silar method	NCLA-2016	Govt. College Quepem Goa	National
139	Theoretical investigations of propagation characteristics of Gaussian and higher order laser mode in collisionless plasma under weak non linearity	NCLA-2016	Govt. College Quepem Goa	National
140	Holographic interferometry technique used for comparative study of CuS and CuSe thin films	NCLA-2016	Govt. College Quepem Goa	National
141	Electrodeposited iron oxide – polyaniline composite thin films for high performance supercapacitor electrode	NCLA-2016	Govt. College Quepem Goa	National
142	Synthesis and Characterization of Mn Co ₂ O ₄ thin films by SILAR method	NCLA-2016	Govt. College Quepem Goa	National
143	Irradiation effect on the optical and Surface wettability of Arsenic Sulphide thin films	NCLA-2016	Govt. College Quepem Goa	National
144	Synthesis and Characterization of galvanostatically deposited polyaniline thin films	NCLA-2016	Govt. College Quepem Goa	National
145	Potentiostatical deposited MnO ₂ polyaniline thin film for supercapacitor application	NCLA-2016	Govt. College Quepem Goa	National
146	Synthesis of irradiated Zinc Sulphide nano flakes for photosensitive study	NCLA-2016	Govt. College Quepem Goa	National
147	Effect of electron beam irradiation on the properties of electrodeposited antimony selenide thin film	NCLA-2016	Govt. College Quepem Goa	National

148	Effect of electron irradiation on the properties of CdTe electrodeposited thin film	NCLA-2016	Govt. College Quepem Goa	National
149	Synthesis and characterization of electron irradiated nano crystalline Cd _{0.7} Zn _{0.3} S thin films	NCLA-2016	Govt. College Quepem Goa	National
150	Effect of electron beam irradiation on electrodeposited nano structured Copper Sulphide thin film	NCLA-2016	Govt. College Quepem Goa	National
151	Chemically synthesized iron oxide thin films for supercapacitor application	EIAMET- 2017	Department of Physics, A.V. College, Hyderabad	International
152	Investigation of holographic parameters of CdZnS thin films by electrodeposition method and its characterization	EIAMET- 2017	Department of Physics, A.V. College, Hyderabad	International
153	Effect of scan rate on the supercapacitor performance of potentiodynamically deposited Mn doped cobalt hydroxide thin films	EIAMET- 2017	Department of Physics, A.V. College, Hyderabad	International
154	Synthesis and characterization of copper oxide thin films for supercapacitor	EIAMET- 2017	Department of Physics, A.V. College, Hyderabad	International
155	Synthesis of 0D high surface area iron oxide nanocubes by hydrothermal method	EIAMET- 2017	Department of Physics, A.V. College, Hyderabad	International
156	Effect of thickness on structural, optical and supercapacitive properties of copper oxide	EIAMET- 2017	Department of Physics, A.V. College, Hyderabad	International
157	Electrochemically synthesized porous MnO ₂ thin films for supercapacitor: effect of deposition potential	EIAMET- 2017	Department of Physics, A.V. College, Hyderabad	International
158	Non destructive surface deformation study of electrodeposited MnO ₂ thin films by double exposure digital holographic interferometry technique	EIAMET- 2017	Department of Physics, A.V. College, Hyderabad	International
159	Electrodeposited Polypyrrole thin films decorated by copper nanoparticles for non-enzymatic glucose detection	EIAMET- 2017	Department of Physics, A.V. College, Hyderabad	International
160	Effect of high energy electron irradiation on grapheme oxide	NCRAMSS-2017	Department of Physics, SMVDU, Katra, Jammu	National

161	Surface modified electron beam irradiated polyaniline thin films for supercapacitor application	NCRAMSS-2017	Department of Physics, SMVDU, Katra, Jammu	National
162	Iron oxide- Polyaniline composite thin films Promising material for high performance supercapacitor electrode	NCRAMSS-2017	Department of Physics, SMVDU, Katra, Jammu	National
163	“Surface deformation study of Co(OH) ₂ thin film by double exposure digital holographic interferometry technique	NCRAMSS-2017	Department of Physics, SMVDU, Katra, Jammu	National
164	Synthesis of Fe ₃ O ₄ thin films by reflux method and study the effect of morphology, electrolyte on its supercapacitive performance	NCRAMSS-2017	Department of Physics, SMVDU, Katra, Jammu	National
165	Development of glucose oxidase modified polyaniline electrode for electrochemical determination of glucose	NCRAMSS-2017	Department of Physics, SMVDU, Katra, Jammu	National

Skills and Competencies:

Technical skills	<ul style="list-style-type: none"> • Data based skills. • Electronic presentation skill. • Holographic technique. • Device fabrications.
Managerial skills	<ul style="list-style-type: none"> • Head of the Departments. • Co-Ordinator: DSA-II funded by UGC & DST-FIST-III • NAAC Assessor; worked as a Peer team Member Co-Ordinator. • Expert for Quality issues; AAA. • International research collaborations.
Alignment with corporate objectives and State/National level priorities	<ul style="list-style-type: none"> • To undertake research and development programs in relation with the industry in and around Aurangabad. • To provide quality service guidance and know, how to the young entrepreneurs. • Establishment of different centers like Digital humanities and Media studies as per the local dialects • Strengthen the International Students cell.
Leadership skills	<ul style="list-style-type: none"> • Creating passion for innovative work in various fields.

	<ul style="list-style-type: none"> • Commitment to society. • Team building. • Decisiveness.
Interpersonal communication and collaborative skills	<ul style="list-style-type: none"> • Exchange of information. • Enhancing communicative competence • MoU's and action taken. • Skill of negotiation.

- **Short listed Candidate for Vice-Chancellor post; Swami Ramanand Teerth Marathwada University, Nanded; Interaction with search committee, 2018.**
- **Short listed Candidate for Vice-Chancellor Post; Dr. Babasaheb Ambedkar Marathwada University, Aurangabad; Interaction with search committee.**
- **Short listed Candidate for Vice-Chancellor Post Dr. Babasaheb Ambedkar Marathwada University, Aurangabad interaction with Honorable Governor of Maharashtra, 2019.**
- **Short listed Candidate for Vice-Chancellor Post; Shivaji University, Kolhapur; Interaction with search committee, 2020.**
- **Short listed Candidate for Vice-Chancellor Post Dr. Homi Bhabha State university, Mumbai, Interaction with search committee, 2021.**

(Vijay J. Fulari)