

Name: **Dr. Pawar Shailesh Ganpat**

Subject: Physics
Date of Birth: 30/09/1982
Date of Appointment: 03/09/2012
Academic Qualification: M.Sc. Ph.D.
Recognition: Changes in Staff (Permanent),
(SUS/BCUD/TA-Changes in Staff/2015-16/4620)
P.G. Teacher, (SUS/PGBUTR/2017/2191 Dtd: 16 March 2018)



1. Academic Qualification:

Degree	University	Year of Passing	Class
Ph.D.	Solapur University, Kolhapur	2011	-
M. Sc.	Shivaji University, Kolhapur	2005	II nd (B+)
B. Sc.	Shivaji University, Kolhapur	2003	II nd
MS-CIT	MKCL	2006	I st

2. Orientation/ Refresher Course:

Sr. No	Course	Duration	Place	Sponsoring Agency
1	Orientation	09/04/2015 to 06/05/2015	Maulana Azad National Urdu University Hyderabad, Telangana	UGC (HRDC)
2	Refresher	14/06/2016 to 29/06/2016	Department of Physics, K. L. University, Guntur (A.P.)	Indian Academy of Sciences, Indian National Science Academy and The National Academy of Sciences

3. Attended - Workshop/Conference/Seminar/Symposia/Congress: (21)

Sr. No.	Theme	Level	Venue	Year
1.	Discussion meeting on Materials for Future Energy Systems	International	BARC, Mumbai.	18-19 Jan. 2006

2.	National Conference on Current Trends in Materials Research for Advanced Technology (NCMRAT-2007)	National	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	29-31 Jan. 2007
3.	14 th International Workshop on the Physics of Semiconductor Devices (IWPSD-2007)	International	Indian Institute of Technology, Bombay.	16-20 Dec. 2007
4.	Recent Advances in Nano Science	National	BAMU Sub center, Osmanabad	23-24 Feb. 2008
5.	2 nd Indian Nanoelectronics Users Programme (INUP) workshop on Nanofabrication Technologies	National	Indian Institute of Science (IIT) Bombay, Mumbai	30-31 May 2009
6.	15 th National Seminar on Physics and Technology of Sensors Workshop on Microsystem Design and Simulation	National	University of Pune, Pune	2 nd March 2010
7.	15 th National Seminar on Physics and Technology of Sensors One Day Pre-seminar on Wireless Sensor Networks	National	University of Pune, Pune	3 March 2010
8.	International Symposium on Physics and Technology of sensors (ISPTS- 1)	International	C-MET, Pune	8-10 March 2012
9.	One Day Draft Syllabus Discussion at B.Sc. – III	University	DBF Dayanand College of Arts and Science, Solapur	7 th October 2012
10.	National conference on Physics and Chemistry of Advanced Materials,	National	C.B. Khedgi's Arts, Commerce and Science College, Akkalkot.	18-19 th Dec. 2013
11.	Workshop on New Syllabus of B.Sc. II Physics	University	Shankarrao Mohite Mahavidyalaya, Akluj	1 March 2014
12.	Workshop on New Syllabus of B.Sc. III Physics	University	Shankarrao Mohite Mahavidyalaya, Akluj	6 March 2016
13.	Workshop on The journey of Solids	National	Sangmeshwar College, Solapur	8 Oct. 2016

14.	One Day Workshop on Syllabus Discussion at B.Sc. I Physics	University	DBF Dayanand College of Arts and Science, Solapur	9 Feb. 2017
15.	Two Days State Level Workshop on Educational Video Making	State	DBF Dayanand College of Arts and Science, Solapur	9-10 Sep. 2017
16.	One Day National Workshop on Revised Assessment & Accreditation Methodology of NAAC	National	DBF Dayanand College of Arts and Science, Solapur	5 Nov. 2017
17.	One Day workshop on B.Sc. III (CBCS Pattern) Syllabus Discussion in Physics	University	DBF Dayanand College of Arts and Science, Solapur	20 Jan. 2018
18.	National Seminar on New Nano Materials, Devices, Technology & Applications in Physics and Electronics (NNMDTA- 2018)	National	Shri Shivaji Mahavidyalaya, Barshi	24 Jan. 2018
19.	National Conference on Microbial Technology for Sustainable Development (MTSD)	National	DBF Dayanand College of Arts and Science, Solapur	2 Feb. 2018
20.	One day University level workshop on B.Sc. III (CBCS Pattern) Syllabus Discussion in Physics	University	Sangola College, Sangola	6 Feb. 2018
21.	National Seminar on Intellectual Property Rights	National	DBF Dayanand College of Arts and Science, Solapur	26 Feb. 2018

4. Presented paper – Workshop /Conference /Seminar /Symposia / Congress: (37)

Sr. No.	Title of the paper	Title of the Conference	Dates	Organized by	Level
1.	Nanocrystalline Zinc Oxide thin films for NH ₃ monitoring: structural and physical characterizations S.G. Pawar , S.L. Patil, M.T. Kumbhar, V.S. Karande and V.B. Patil	15 th International Workshop on the Physics of Semiconductor Devices (IWPSD-2009)	15-19 Dec. 2009	Indian Institute of Technology, New Delhi.	International
2.	Optoelectronic and Microstructural Studies on Chemically Synthesized (Pb, Sn)S Thin Films R.N. Mulik, S.G. Pawar , S.L. Patil, B.T. Raut and V.B. Patil	15 th International Workshop on the Physics of Semiconductor Devices (IWPSD-2009)	15-19 Dec. 2009	Indian Institute of Technology, New Delhi.	International
3.	Room temperature gas sensing properties of polyaniline thin films S.G. Pawar , S.L. Patil, A.T. Mane., D.M. Jundale and V.B. Patil	15 th National Seminar on Physics and Technology of Sensors (NSPTS-15)	04-06 March 2010	Center for Sensor Studies, University of Pune, Pune	National
4.	Nanocrystalline ZnO thin films: NH ₃ Gas Sensing and Optoelectronic properties S.L Patil, S.G Pawar , M.A Chougule, V.S Karande and V.B Patil	15 th National Seminar on Physics and Technology of Sensors (NSPTS-15)	04-06 March 2010	Center for Sensor Studies, University of Pune, Pune	National
5.	Synthesis and Characterization PANi-TiO ₂ nanocomposites S.G. Pawar , S.L. Patil, S.A. Pawar and V.B. Patil	Physics of Emerging Functional Materials (PEFM 2010)	21-25 Sept. 2010	BARC, Mumbai.	International

6.	Nanocrystalline PbS thin Films: Synthesis, Microstructural and Optoelectronic Properties S.G. Pawar , B.T. Raut, P.D. More, V.S. Karande and V.B. Patil	Physics of Emerging Functional Materials (PEFM 2010)	21-25 Sept. 2010	BARC, Mumbai.	International
7.	Effect of annealing on structural electrical and optical properties of nanocrystalline TiO ₂ thin films S.G. Pawar , M.A. Chougule P.R. Godse. D.M. Jundale, S.A. Pawar, B.T. Raut and V.B. Patil	International Symposium on Semiconductor Materials and Devices (ISSMD 2011)	28-30 Jan. 2011	The M. S. University Vadodara, Gujarat.	International
8.	Fabrication of Polyaniline/TiO ₂ Nanocomposite Ammonia Sensor S.G. Pawar , S.L. Patil, M.A. Chougule, P.R. Godse, D.K. Bandgar and V.B. Patil	International Symposium on Semiconductor Materials and Devices (ISSMD 2011)	28-30 Jan. 2011	The M. S. University Vadodara, Gujarat.	International
9.	Fabrication of CSA doped PANi- TiO ₂ Nanocomposite Thin Film Ammonia Sensor S.G. Pawar , S.L. Patil, M.A. Chougule, B.T. Raut, D.M. Jundale, P.R. Godse and V.B. Patil	National Seminar on Physics of Materials and Materials Based Device Fabrication (NSPM- MDF 2011)	17-18 Feb. 2011	Shivaji University, Kolhapur.	National
10.	PANi- ZnO Nanocomposites: Structural, Morphological and Optoelectronic Investigations, S.L. Patil, S.G. Pawar , M.A. Chougule, B.T. Raut R.N. Mulik and	National Seminar on Physics of Materials and Materials Based Device Fabrication (NSPM- MDF 2011)	17-18 Feb. 2011	Shivaji University, Kolhapur.	National

	V.B. Patil				
11.	Nanocrystalline TiO ₂ thin films: Microstructural, Optical and Gas sensing properties S.G. Pawar , S.L. Patil, M.A. Chougule, P.D. More, P.R. Godse, S.A. Pawar and V.B. Patil	Optics 2011	23-25 May 2011	National Institute of Technology, Calicut, Kerala	National
12.	Effect of annealing on structure, morphology and optoelectronic properties of nanocrystalline CuO thin films, D.M. Jundale, S.G. Pawar , S.L. Patil, M.A. Chougule, P.R. Godse and V.B. Patil	Optics 2011	23-25 May 2011	National Institute of Technology, Calicut, Kerala	National
13.	PANi-ZnO Nanocomposites: Synthesis and Characterization SL Patil, SG Pawar , MA Chougule, BT Raut, VS Karande, RN Mulik and V. B. Patil	Optics 2011	23-25 May 2011	National Institute of Technology, Calicut, Kerala	National
14.	A Facile and efficient route for the preparation of Nanofibrous PANi(EB) based Ammonia vapor sensor S.G. Pawar , D.K. Bandgar, S.L. Patil B.T. Raut, Shashwati Sen and V.B. Patil	IWPSD 2011	19-22 Dec. 2011	Indian Institute of Technology, Kanpur.	International
15.	Nanocrystalline CuO thin films: Synthesis, characterization and gas sensing properties	IWPSD 2011	19-22 Dec. 2011	Indian Institute of Technology, Kanpur.	International

	D.M. Jundale, S.G. Pawar , M.A. Chougule, B.T. Raut, Shashwati Sen and V.B. Patil				
16.	PANi-ZnO nanocomposite: Detection of NH ₃ gas at room temperature S.L. Patil, S.G. Pawar , M.A. Chougule, P.R. Godse, D.M. Jundale, V.B. Patil	IWPSD 2011	19-22 Dec. 2011	Indian Institute of Technology, Kanpur.	International
17.	Sol-gel Synthesis and Characterization of Nanocrystalline SnO ₂ thin films R.N. Mulik, S.G. Pawar and V.B. Patil	Advanced Synthesis of Nanomaterials and their applications	17-18 Sept 2012	KBP Mahavidyalaya Pandharpur	National
18.	Synthesis and Characterization of Nanocrystalline SnO ₂ Thin Films G.D. Khuspe, R.D. Sakhare, R.N. Mulik, S.G. Pawar and V.B. Patil	Emerging trends in Chemical Sciences	2-4 Nov 2012	Solapur University	International
19.	CSA assisted PANi-TiO ₂ based hybrid gas sensor S.G. Pawar and R.N. Mulik	National Conference on Physics of Nanomaterials and Applications (NCPNA -2012)	14-15 Dec. 2012	D.B.F. Dayanand College of Arts & Science, Solapur	National
20.	Fabrication of Lead sulphide (PbS) for NO ₂ gas sensor monitoring R.N. Mulik, S.G. Pawar , P.R. Godse and V.B. Patil	National Conference on Physics of Nanomaterials and Applications (NCPNA -2012)	14-15 Dec. 2012	D.B.F. Dayanand College of Arts & Science, Solapur	National
21.	Polypyrrole-NiO Hybrid Nanocomposite: Microstructural and Optoelectronic Properties	National Conference on Physics of Nanomaterials and Applications	14-15 Dec. 2012	D.B.F. Dayanand College of Arts & Science,	National

	S.R. Nalage, S.T. Navale, M.A. Chougule, S. G. Pawar and V.B. Patil	(NCPNA -2012)		Solapur	
22.	Measurements on room temperature gas sensing properties of CSA doped Polyaniline-ZnO nanocomposites S.L. Patil, S.G. Pawar , V.B. Patil	National Conference on Physics of Nanomaterials and Applications (NCPNA -2012)	14-15 Dec. 2012	D.B.F. Dayanand College of Arts & Science, Solapur	National
23.	Synthesis of Nanocrystalline CdS thin films: Structural, morphological and optical properties R.N. Mulik, S.G. Pawar , C.V. Chanmal and V.B. Patil	National Conference on Advanced research Trends in Chemistry	22-23 Feb, 2014	Chemistry Department, DBF Dayanand College of Arts & Science, Solapur	National
24.	Dielectric relaxation dynamics in PVDF/BaTiO ₃ Nanocomposites C.V. Chanmal, R.N. Mulik, S.G. Pawar , J.P. Jog	National Conference on Advanced research Trends in Chemistry	22-23 Feb, 2014	Chemistry Department, DBF Dayanand College of Arts & Science, Solapur	National
25.	Strong Interfacial Induced Conducting Polymer Nanocomposites for Electromagnetic Shielding Applications C.V. Chanmal, R.N. Mulik, S.G. Pawar , J.P. Jog	National Seminar on Recent Trends in Nanomaterials and its Applications	21 Jan. 2017	Vidnyan Mahavidyalaya, Sangola	National
26.	Interfacial polarization Induced High Dielectric Permittivity PVDF/Si ₃ N ₄ Nanocomposites C.V. Chanmal, R.N.	National Conference on Innovations in Chemistry (IC-2017)	30 April 2017	Chemistry Department, DBF Dayanand College of	National

	Mulik, S.G. Pawar , J.P. Jog			Arts & Science, Solapur	
27.	Supercapacitor behavior of galvanostatically electrodeposited cobalt oxide (Co ₃ O ₄) thin film electrode S.G. Pawar , I.A. Dhole, Y.H. Navale, R.N. Mulik, V.G. Mule and V.B. Patil	National Conference On Recent Trends in Nanomaterials (NCRTN- 2017)	28 Sep. 2017	Yashvantrao Chavan Institute of Science, Satara	National
28.	Galvanostatically electrodeposited Polyaniline (PANI) electrode for supercapacitors I.A. Dhole, Y.H. Navale, Y.M. Jadhav, S.G. Pawar , R.N. Mulik, C.S. Pawar and V.B. Patil	National Conference On Recent Trends in Nanomaterials (NCRTN- 2017)	28 Sep. 2017	Yashvantrao Chavan Institute of Science, Satara	National
29.	Thermal Stability and Dynamic Mechanical Analysis of PVDF based nanocomposites C.V. Chanmal, R.N. Mulik, S.G. Pawar , J.P. Jog	National Conference On Recent Trends in Nanomaterials (NCRTN- 2017)	28 Sep. 2017	Yashvantrao Chavan Institute of Science, Satara	National
30.	Gas sensing properties of nanostructured CeO ₂ thin films synthesized by hydrothermal route Y.M. Jadhav, I.A. Dhole, Y.H. Navale, V.G. Mule, S.G. Pawar , M.A. Chougule and V.B. Patil	National Conference On Recent Trends in Nanomaterials (NCRTN- 2017)	28 Sep. 2017	Yashvantrao Chavan Institute of Science, Satara	National
31.	Efficient potentiostatically	17 th International Conference on	13-17 Nov.	CSIR-National Physical	International

	electrodeposited MnO ₂ electrode for electrochemical pseudocapacitor applications S.M. Ingole, I.A. Dhole, Y.H. Navale, Y.M. Jadhav, P.S. Kulkarni, S.G. Pawar and V.B. Patil	Thin Films (ICTF 2017)	2017	Laboratory, New Delhi	
32.	Prominent NO ₂ gas sensing performance of CuO nanoparticles by thermal evaporation technique Y.H. Navale, I.A. Dhole, A.T. Mane, S.M. Ingole, S.G. Pawar , M.A. Chougule and V.B. Patil	17 th International Conference on Thin Films (ICTF 2017)	13-17 Nov. 2017	CSIR-National Physical Laboratory, New Delhi	International
33.	Potentiostatically Electrodeposited MnO ₂ Electrode and their supercapacitive Performance I.A. Dhole, S.G. Pawar , C.S. Pawar, Y.H. Navale, Y.M. Jadhav, V.G. Mule and V.B. Patil	2 nd International Conference on Advances in Materials Science	22-23 Dec. 2017	Raje Ramrao Mahavidyalaya, Jath, Dist-Sangli	International
34.	Hydrothermal Synthesis of Cerium Oxide (CeO ₂) Thin Film For Detection of NO ₂ Gas Y.M. Jadhav, I.A. Dhole, Y.H. Navale, R.D. Sakhare, R.N. Mulik, S.G. Pawar and V.B. Patil	National Conference on Nuclear Energy: Need of the Society and Misconceptions (NENSM 2018)	14 Feb. 2018	DBF Dayanand College of Arts & Science, Solapur	National
35.	Supercapacitors Based on Galvanostatically Electropolymerized Polyaniline Electrodes	National Conference on Nuclear Energy: Need of the	14 Feb. 2018	DBF Dayanand College of Arts &	National

	I.A.Dhole, S.G.Pawar , S.T.Navale, D.K.Bandgar, Y.H.Navale, Y.M.Jadhav, C.S.Pawar and V.B.Patil	Society and Misconceptions (NENSM 2018)		Science, Solapur	
36.	Structural and Cyclic Voltammetric Properties of Electrodeposited MnO ₂ Thin Films V.G. Harihar, A.N.Halkude, S.S.Savali, K.S.Kalshetti, S.R.Dhekale, I.A.Dhole, S.G.Pawar	National Conference on Nuclear Energy: Need of the Society and Misconceptions (NENSM 2018)	14 Feb. 2018	DBF Dayanand College of Arts & Science, Solapur	National
37.	Preparation & Structural Characterization of MnO ₂ Nanoparticles A.E.Kore, A.C.Anvekar, A.A.Surade, P.V.Vitkar, P.M.Kamble, K.N.Awatade, S. L. Patil, S.G.Pawar	National Conference on Nuclear Energy: Need of the Society and Misconceptions (NENSM 2018)	14 Feb. 2018	DBF Dayanand College of Arts & Science, Solapur	National

5. Publication of Research paper in International /National Journals: 37

Sr. No.	Title	Year	I.F.	Link
1.	Growth, Characterization and Gas Sensing Properties Of Polyaniline Thin Films S.G. Pawar , S.L. Patil, A.T. Mane, B.T. Raut and V.B. Patil Arch Appl Sci Res 1 (2), 109-114, 2009 ISSN: 0975-508X	2009		https://www.scholarsresearchlibrary.com/articles/growth-characterization-and-gas-sensing-properties-of-polyaniline-thin-films.pdf
2.	Optoelectronic and Microstructural Properties of PANi (EB)-CSA _x Polymer Thin Films by Novel Spin Coating	2009	IF: 0.61	http://www.orientjchem.org/vol25no4/optoelectronic-and-microstructural-

	<p>Method V.B. Patil, S.G. Pawar, S.L. Patil and A.K. Sood Oriental Journal of Chemistry 25 (4), 945, 2009 ISSN : 0970 - 020X ONLINE ISSN : 2231-5039</p>			properties-of-panieb-csax-polymer-thin-films-by-novel-spin-coating-method/
3.	<p>Synthesis and characterization of polyaniline: TiO₂ nanocomposites S.G. Pawar, S.L. Patil, M.A. Chougule, A.T. Mane, D.M. Jundale and V.B. Patil International Journal of Polymeric Materials 59 (10), 777-785, 2010 Print ISSN: 0091-4037 Online ISSN: 1563-535X</p>	2010	IF: 2.127	https://www.tandfonline.com/doi/abs/10.1080/00914037.2010.483217
4.	<p>Microstructural and Optoelectronic Studies on Polyaniline: TiO₂ Nanocomposites S.G. Pawar, S.L. Patil, M.A. Chougule, S.N. Achary and V.B. Patil International Journal of Polymeric Materials 60 (3), 244-254, 2010 Print ISSN: 0091-4037 Online ISSN: 1563-535X</p>	2010	IF: 2.127	https://www.tandfonline.com/doi/full/10.1080/00914037.2010.504175
5.	<p>Nanocrystalline ZnO Thin Films: Optoelectronic and Gas Sensing Properties S.L. Patil, S.G. Pawar, A.T. Mane, M.A. Chougule and V.B. Patil Journal of Materials Science: Materials in Electronics 21 (12), 1332-1336, 2010 ISSN: 0957-4522 (Print) ISSN: 1573-482X (Online)</p>	2010	IF:2.324	https://link.springer.com/article/10.1007/s10854-010-0071-5
6.	<p>ZnO Nanocrystalline Thin Films: A Correlation of Microstructural, Optoelectronic Properties V.B. Patil, S.G. Pawar, S.L. Patil and S.B. Krupanidhi Journal of Materials Science: Materials in Electronics 21 (4), 355-359, 2010 ISSN: 0957-4522 (Print)</p>	2010	IF:2.324	https://link.springer.com/article/10.1007/s10854-009-9920-5

	ISSN: 1573-482X (Online)			
7.	Microstructural, Optical and Electrical Studies on Sol Gel Derived TiO ₂ Thin Films S.G. Pawar, S.L. Patil, M.A. Chougule, D.M. Jundale and V.B. Patil Archives of Physics Research 1 (1), 57-66, 2010 ISSN: 0976-0970	2010	IF: 2.93	https://www.scholarsresearchlibrary.com/articles/microstructural-optical-and-electrical-studies-on-sol-gel-derived-tio2-thin-films.pdf
8.	Nanocrystalline PbS Thin Films: Synthesis, Microstructural and Optoelectronic Properties S.G. Pawar , B.T. Raut, P.D. More, V.S. Karande, V.B. Patil AIP Conference Proceedings 1313 (1), 131-133, 2010 ISSN: 978-0-7354-1613-0	2010		https://aip.scitation.org/doi/abs/10.1063/1.3530466
9.	Synthesis and characterization of polypyrrole (PPy) thin films M.A. Chougule, S.G. Pawar , P.R. Godse, R.N. Mulik, S. Sen and V.B. Patil Soft Nanoscience Letters 1 (01), 6, 2011 ISSN Print: 2160- 0600 ISSN Online: 2160-0740	2011	IF: 1.3	https://www.scirp.org/journal/PaperInformation.aspx?PaperID=3660
10.	Room Temperature Ammonia Gas Sensor Based on Polyaniline-TiO ₂ Nanocomposite S.G. Pawar , M.A. Chougule, S.L. Patil, B.T. Raut, P.R. Godse, S. Sen and V.B. Patil IEEE Sensors Journal 11 (12), 3417-3423, 2011 ISSN: 1530-437X	2011	IF: 2.617	https://ieeexplore.ieee.org/abstract/document/5928377
11.	Effect of annealing on structural, morphological, electrical and optical studies of nickel oxide thin films V. Patil, S. Pawar , M. Chougule, P. Godse, R. Sakhare, S. Sen and P. Joshi Journal of Surface Engineered Materials and Advanced Technology 1 (02), 35, 2011	2011	IF: 1.06	https://www.scirp.org/journal/PaperInformation.aspx?PaperID=6174

	ISSN Print: 2161-4881 ISSN Online: 2161-489X			
12.	Polypyrrole Thin Film: Room Temperature Ammonia Gas Sensor M.A. Chougule, S.G. Pawar , S.L. Patil, B.T. Raut, .PR. Godse, S. Sen and V.B. Patil IEEE Sensors Journal 11 (9), 2137-2141, 2011 ISSN: 1530-437X	2011	IF: 2.617	https://ieeexplore.ieee.org/abstract/document/5710956
13.	New Method for Fabrication of CSA Doped PANi- Thin-Film Ammonia Sensor S.G. Pawar , S.L. Patil, M.A. Chougule, B.T. Raut, P.R. Godase, R.N. Mulik, S. Sen and V.B. Patil IEEE Sensors Journal 11 (11), 2980-2985, 2011 ISSN: 1530-437X	2011	IF: 2.617	https://ieeexplore.ieee.org/abstract/document/5765417
14.	Nanocrystalline CuO Thin Films for H ₂ S Monitoring: Microstructural and Optoelectronic Characterization D. Jundale, S. Pawar , M. Chougule, P. Godse, S. Patil, B. Raut, S. Sen and V. Patil Journal of Sensor Technology 1, 36-46, 2011 ISSN Print: 2161-122X ISSN Online: 2161-1238	2011	IF: 1.67	https://www.scirp.org/journal/PaperInformation.aspx?PaperID=5573
15.	New Process for Synthesis of Nickel Oxide Thin Films and their Characterization B.T. Raut, S.G. Pawar , M.A. Chougule, S. Sen and V.B. Patil Journal of Alloys and Compounds 509 (37), 9065-9070, 2011 ISSN: 0925-8388	2011	IF:3.779	https://www.sciencedirect.com/science/article/abs/pii/S0925838811013119
16.	New Process for Synthesis of ZnO Thin Films: Microstructural, Optical and Electrical Characterization S.L. Patil, M.A. Chougule, S.G. Pawar , B.T. Raut, S. Sen and VB Patil Journal of Alloys and Compounds	2011	IF:3.779	https://www.sciencedirect.com/science/article/abs/pii/S0925838811016689

	509 (41), 10055-10061, 2011 ISSN: 0925-8388			
17.	Synthesis and Characterization of Nanocrystalline TiO ₂ Thin Films S.G. Pawar , S.L. Patil, M.A. Chougule, D.M. Jundale and V.B. Patil Journal of Materials Science: Materials in Electronics 22 (3), 260-264, 2011 ISSN: 0957-4522 (Print) ISSN: 1573-482X (Online)	2011	IF:2.324	https://link.springer.com/article/10.1007/s10854-010-0125-8
18.	Fabrication of Polyaniline-ZnO Nanocomposite Gas Sensor S.L. Patil, M.A. Chougule, S.G. Pawar , S. Sen, A.V. Moholkar, J.H. Kim and V.B. Patil Sensors & Transducers 134 (11), 120, 2011 ISSN: 1726-5479 e-ISSN: 1726-5479	2011	IF: 0.987	http://www.sensorsportal.com/HTML/DIGEST/november_2011/P_882.pdf
19.	Camphor Sulfonic Acid Doped Polyaniline-Titanium Dioxide Nanocomposite: Synthesis, Structural, Morphological and Electrical Properties S.G. Pawar , S.L. Patil, M.A. Chougule, B.T. Raut, S. Sen and V.B. Patil International Journal of Polymeric Materials 60 (12), 979-987, 2011 Print ISSN: 0091-4037 Online ISSN: 1563-535X	2011	IF: 2.127	https://www.tandfonline.com/doi/abs/10.1080/00914037.2011.553848
20.	Fabrication of Nanocrystalline TiO ₂ Thin Film Ammonia Vapor Sensor S. Pawar , M. Chougule, S. Patil, B. Raut, D. Dalvi, P. Patil, S. Sen, P. Joshi and V.B. Patil Journal of sensor technology 1 (01), 9, 2011 ISSN Print: 2161-122X ISSN Online: 2161-1238	2011	IF: 1.67	https://www.scirp.org/journal/PaperInformation.aspx?PaperID=4330
21.	New Method for Fabrication of Co ₃ O ₄ Thin Film Sensors: Structural, Morphological and Optoelectronic Properties	2011	IF: 0.987	http://www.sensorsportal.com/HTML/DIGEST/P_804.htm

	V. Patil, S. Pawar, M. Chougule, B. Raut, R. Mulik and S. Sen Sensors & Transducers 128 (5), 100, 2011 ISSN: 1726-5479 e-ISSN: 1726-5479			
22.	PANi-ZnO Nanocomposites: Synthesis and Characterization S.L. Patil, S.G. Pawar , M.A. Chougule, B.T. Raut, V.S. Karande, R.N. Mulik and V.B. Patil AIP Conference Proceedings 1391 (1), 621-623, 2011 ISSN: 978-0-7354-1613-0	2011		https://aip.scitation.org/doi/abs/10.1063/1.3643629
23.	Effect of Annealing on Structure, Morphology and Optoelectronic Properties of Nanocrystalline CuO Thin Films D.M. Jundale, S.G. Pawar , S.L. Patil, M.A. Chougule, P.R. Godse and V.B. Patil AIP Conference Proceedings 1391 (1), 573-575, 2011 ISSN: 978-0-7354-1613-0	2011		https://aip.scitation.org/doi/abs/10.1063/1.3643614
24.	Nanocrystalline TiO ₂ Thin Films: Microstructural, Optical and Gas Sensing Properties S.G. Pawar , S.L. Patil, M.A. Chougule, P.D. More, P.R. Godse, S.A. Pawar and V.B. Patil AIP Conference Proceedings 1391 (1), 443-446, 2011 ISSN: 978-0-7354-1613-0	2011		https://aip.scitation.org/doi/abs/10.1063/1.3643574
25.	Development of NO ₂ Sensor Using Nickel Oxide V. Patil, S. Pawar , M. Chougule, S. Patil, B. Raut, P. Godse and S. Sen Sensors & Transducers 131 (8), 110, 2011 ISSN: 1726-5479 e-ISSN: 1726-5479	2011	IF: 0.987	http://www.sensorsportal.com/HTML/DIGEST/P_846.htm
26.	Structural, morphological, optical, and electrical properties of PANi-ZnO	2012	IF: 2.127	https://www.tandfonline.com/doi/abs/10.1080/009140

	nanocomposites S.L. Patil, S.G. Pawar , M.A. Chougule, B.T. Raut, P.R. Godse, S. Sen and V.B. Patil International Journal of Polymeric Materials 61 (11), 809-820, 2012 Print ISSN: 0091-4037 Online ISSN: 1563-535X			37.2011.610051
27.	Novel method for fabrication of Polyaniline–CdS sensor for H ₂ S gas detection B.T. Raut, P.R. Godse, S.G. Pawar , M.A. Chougule, D.K. Bandgar and V.B. Patil Measurement 45 (1), 94-100, 2012 ISSN: 0263-2241	2012	IF: 2.312 SNIP:1.5 66 SJR: 0.733	https://www.sciencedirect.com/science/article/pii/S026322411100310
28.	Effect of Camphor Sulfonic Acid doping on Structural, Morphological, Optical and Electrical transport Properties on Polyaniline-ZnO nanocomposites S.L. Patil, M.A. Chougule, S.G. Pawar , S. Sen, V.B. Patil Soft Nanoscience Letters 2 (03), 46, 2012 ISSN Print: 2160-0600 ISSN Online: 2160-0740	2012	IF: 1.3	https://www.scirp.org/journal/PaperInformation.aspx?PaperID=19817
29.	Nanocrystalline TiO ₂ Thin Films for NH ₃ Monitoring: Microstructural and Physical Characterization S.G. Pawar , S.L. Patil, M.A. Chougule, B.T. Raut, S.A. Pawar, R.N. Mulik and V.B. Patil Journal of Materials Science: Materials in Electronics 23 (1), 273- 279, 2012 ISSN: 0957-4522 (Print) ISSN: 1573-482X (Online)	2012	IF:2.324	https://link.springer.com/article/10.1007/s10854-011-0403-0
30.	Development of Nanostructured Polyaniline–Titanium Dioxide Gas Sensors for Ammonia Recognition S.G. Pawar , M.A. Chougule, S. Sen and V.B. Patil Journal of applied polymer science 125 (2), 1418-1424, 2012	2012	IF: 1.901	https://onlinelibrary.wiley.com/doi/abs/10.1002/app.35468

	Print ISSN: 0021-8995 Online ISSN: 1097-4628			
31.	Sol–Gel Derived Co_3O_4 Thin Films: Effect of Annealing on Structural, Morphological and Optoelectronic Properties M.A. Chougule, S.G. Pawar, P.R. Godse, R.D. Sakhare, S. Sen, V.B. Patil Journal of Materials Science: Materials in Electronics 23 (3), 772-778, 2012 ISSN: 0957-4522 (Print) ISSN: 1573-482X (Online)	2012	IF:2.324	https://link.springer.com/article/10.1007/s10854-011-0491-x
32.	New Process for Fabrication of Polyaniline–CdS Nanocomposites: Structural, Morphological and Optoelectronic Investigations B.T. Raut, P.R. Godse, S.G. Pawar , M.A. Chougule, D.K. Bandgar, S. Sen, and V.B. Patil Journal of Physics and Chemistry of Solids 74 (2), 236-244, 2013 ISSN: 0022-3697	2013	IF: 2.207	https://www.sciencedirect.com/science/article/abs/pii/S002236971200296X
33.	Effect of Annealing on Microstructural and Optoelectronic Properties of Nanocrystalline TiO_2 Thin Films S.G. Pawar , M.A. Chougule, D.S. Dalavi, P.S. Patil, A.V. Moholkar, S. Sen and V.B. Patil Journal of Experimental Nanoscience 8 (4), 500-508, 2013 Print ISSN: 1745-8080 Online ISSN: 1745-8099	2013	IF: 1.362	https://www.tandfonline.com/doi/abs/10.1080/17458080.2011.597438
34.	Development Of Sensor For Detection S.R. Nalage, S.T. Navale, M.A. Chougule, S.G. Pawar , S. Sen and V.B. Patil AIP Conference Proceedings 1512 (1), 504-505, 2013 ISSN: 978-0-7354-1613-0	2013		https://aip.scitation.org/doi/abs/10.1063/1.4791132
35.	Synthesis And Characterization Of	2016		http://davijs.com/?q=node/

	Chemical Bath Deposited Lead Sulfide (PbS) Thin Films S.G. Pawar , R.N. Mulik, C.V. Chanmal, S.C. Bhilare and S.V. Gaikwad DAVIJS 5, 1-10, 2016 ISSN: 2277-5536 (Print) ISSN: 2277-5641 (Online)			55
36.	Structural and Dielectric Properties of PVDF/Fe3O4 Nanocomposites C.V. Chanmal, R.N. Mulik, S.G. Pawar and Jyoti Jog DAVIJS 5, 17-23, 2016 ISSN: 2277-5536 (Print) ISSN: 2277-5641 (Online)	2016		http://davijs.com/?q=node/55
37.	Optimization of Techno-Economic Cobalt Doped Nickel Oxide Electrode Designed for Energy Storage I.A. Dhole, Y.H. Navale, Y.M. Jadhav, R.N. Mulik, S.G. Pawar , C.S. Pawar and V.B. Patil AIP Conference Proceedings 1989 (1), 020011, 2018 ISSN: 978-0-7354-1613-0	2018		https://aip.scitation.org/doi/abs/10.1063/1.5047687

No. of research paper published	Total Impact Factor	Citation index	h index	i10 index	SNIP	SJR
37	56.82	1042	22	26		

6. Research Project: 01

Name of Scheme	Purpose	File No.	Grant allocated	Grant received	Grant utilized till	Remarks, if any
Electrochemical synthesis of Manganese Oxide (MnO ₂) Electrode	Minor Research project	DAYA/MAS-RSG/01 Dtd.	10,000/-	6,000/-	6,000/-	Ongoing

for High Performance Supercapacitor Application		24/04/2018				
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7. Research students working for Ph.D: Nil

8. Academic Bodies: Nil

**9. Books Published:
Book Chapter**

Sr. No.	Book Chapter	Title of Book	Publisher
1.	Potentiostatically Electrodeposited MnO ₂ Electrode and their supercapacitive Performance I.A. Dhole, S.G. Pawar , C.S. Pawar, Y.H. Navale, Y.M. Jadhav, V.G. Mule and V.B. Patil 37, 107-110, 2016 ISBN: 978-84-931247-6-5	Advances in Materials Science	Springer

Reference and Text Books : (18)

Sr. No.	Title of the Book	Month of Publication/ Year	Publisher
1.	Polyaniline-Titanium Dioxide Nanocomposites for VOC Recognition ISBN: 978-3-8465-4914-8	January 2012	Lambert Academic Publishing (LAP), Germany.
2.	A Text Book of Physics "Optics and Laser" B.Sc.-I, paper-II, ISBN 978-93-5164-151-3	June 2014	Nirali Prakashan
3.	Heat and Thermodynamics B.Sc.I-Paper III ISBN 978-93-5164-449-1	January 2015	Nirali Prakashan
4.	Mechanics and properties of matter And Optics & Laser B.Sc.I-Paper I	June 2015	Nirali Prakashan

	ISBN 978-93-5164-568-9		
5.	Heat and Thermodynamics, Electricity, Magnetism and Basic Electronics B.Sc.-I , paper-II, ISBN 978-93-5164-861-1	Oct 2015	Nirali Prakashan
6.	Classical Mechanics B.Sc. III Paper XI ISBN 978-93-5164-757- 7	September 2015	Nirali Prakashan
7.	Optics B.Sc. II Paper V ISBN 978-93-5164-927- 4	December 2015	Nirali Prakashan
8.	Electrodynamics B.Sc. III Paper XIII ISBN 978-93-5164-963- 2	January 2016	Nirali Prakashan
9.	Atomic, Molecular Physics and Quantum Mechanics B.Sc. III Paper XIII ISBN 978-93-5164-965- 6	January 2016	Nirali Prakashan, Pune.
10.	Mechanics and properties of Matter B.Sc.I-Paper I (CBCS Pattern) ISBN 978-93-5164-568-9	August 2016	Nirali Prakashan, Pune.
11.	Optics and Laser B.Sc.-I , paper-II (CBCS Pattern) ISBN 978-93-86084-27-9	August 2016	Nirali Prakashan, Pune.
12.	Heat and Thermodynamics B.Sc.I-Paper III (CBCS Pattern) ISBN 978-93-5164-861-1	December 2016	Nirali Prakashan, Pune.
13.	Electricity, Magnetism and Basic Electronics B.Sc.-I , paper-II (CBCS Pattern) ISBN 978-93-5164-861-1	December 2016	Nirali Prakashan, Pune.
14.	General Physics, Heat and Sound B.Sc.II-Paper V (CBCS Pattern) ISBN 978-93-5164-686-0	June 2017	Nirali Prakashan, Pune.
15.	Electronics B.Sc.II-Paper VI (CBCS Pattern) ISBN 978-93-5164-687-7	June 2017	Nirali Prakashan, Pune.
16.	Modern Physics B.Sc.II-Paper VI (CBCS Pattern) ISBN 978-93-5164-928-1	January 2018	Nirali Prakashan, Pune.
17.	Classical Mechanics B.Sc. III Paper XI (CBCS Pattern)	July 2018	Nirali Prakashan, Pune.

	ISBN 978-93-88194-39-6		
18.	Solid State Physics B.Sc.III-Paper X (CBCS Pattern)	August 2018	Nirali Prakashan, Pune.

10. Membership:

LifeMember of Indian Association of Physics Teachers (IAPT) (Rer. No. 10461,L6692)

11. Awards & Prizes:

12. Worked As

1. Project Assistant on DST, Govt. of India Funded Project 2009-2011.
2. BOS sub committee member for B.Sc. III Physics Syllabus
3. Dayanand Boys Hostel Warden 2014-2018
4. Paper setter for B.Sc. I and B.Sc. III
5. Examiner and moderator for B.Sc. I, II and III Theory and Practical Examination
6. Re-evaluation and Lapses cases
7. B.SC. II Admission committee 201-2018 Member
8. IQAC committee Member
9. Purchase committee member
10. Joint secretary and Co-Editor for National Conference on Physics of Nanomaterials and Applications (NCPNA 2012)
11. Joint secretary and Executive Editor for National Conference on Nuclear Energy: Need of the Society and Misconceptions (NENSM 2018)

13. Extra Curricular Activity:

1. A Science popularization lecture to B.Sc students in Vasundhara Mahavidyalaya, Solapur
2. A Science popularization lecture to B.Sc students in Vasundhara Mahavidyalaya, Solapur (06/08/2016)
3. Expert for Physics Lab set up of SBP College, Mandrup (03/10/16)
4. Dayanand Talent Search Competitive Examination Member
5. Dayanand Science Olympiad Member
6. Physics Club Activities Member
7. Evaluator for Seminar Competition
8. Accompanied member of Educational tours

14. Project Guidance to B.Sc. III Students:

Sr.No.	Year	Project Title	Students Names
1.	2016-17	Synthesis & Characterization of CdS by Chemical bath deposition	
2.	2016-17		
3.	2017-18	Preparation & Structural Characterization of MnO ₂ Nanoparticles	A.E.Kore, A.C.Anvekar, A.A.Surade, P.V.Vitkar, P.M.Kamble, K.N.Awatade
4.	2017-18	Structural Properties of Electrodeposited MnO ₂ Thin Films	V.G. Harihar, A.N.Halkude, S.S.Savali, K.S.Kalshetti, S.R.Dhekale

15. Declaration:

I hereby declare that all the statements made are true to the best of my knowledge and belief. I am aware that I will be responsible for any information given above is incomplete or incorrect.

Date: 23/11/2018

Place: Solapur

(Dr. S. G. Pawar)