

Name of the faculty :Prof. (Dr.) U. P. Shinde
Designation :Professor
Department : Electronic Science
Name of the College : Mahatma Gandhi Vidyamandir's Loknete Vyankatrao Hiray Arts, Science and Commerce College, Panchavati, Nashik-422003

Details of Research Publications.

Sr. No	Title of the paper	Name of Journal	Year of Publication	ISSN Number	Online link / Details
39	Influence of Annealing on Physical, Physiological and Electric Properties of Mono Nickel oxide Thick Films Prepared by using Screen-Printing Technique.	SAMRIDDHI	2023	2454-5767	
38	Infrared Sensor For Measurement Of Forward Travel Speed	Stochastic Modeling & Applications.	2023	0972-3641	
37	Preparation and Nano Structural Investigation of Screen Printed Cobalt oxide (Co ₃ O ₄) Thick Film with Annealing Temperature	Asian Journal of Organic & Medicinal Chemistry.	2022	2456-8937	
36	Influence of annealing on electrical and optical properties of NiO thick film Sensors developed by screen printing technique	International Journal of Scientific Development and Research (IJS DR)	2022	2455-2631	https://ijsdr.org/papers/IJS DR2202014.pdf
35	Thermally Evaporated Mgo-Nio Nanocomposite Thin Films For Ethanol Gas Sensor.	International Journal of Recent Advances in Multidisciplinary Research	2021	2250-0743	http://www.ijramr.com/sites/default/files/issues-pdf/3877.pdf
34	Study Of Electrical And Gas Sensing Properties Of	Journal of Emerging Technologies and Innovative	2021	2349-5162	https://www.jetir.org/papers/JETIR2108448.pdf

	Thermally Evaporated Nickel Oxide Thin Films	Research			
33	Patient Health Monitoring System Using IoT	International Journal of Scientific Research & Engineering Trends	2021	2395-566X	https://ijsret.com/wp-content/uploads/2021/07/IJSRET_V7_issue4_590.pdf
32	PCB Design Plotter Using CNC Shield and Arduino	International Journal of Research Publication and Reviews	2021	2582-7421	https://www.ijpr.com/uploads/V2ISSUE8/IJRPR900.pdf
31	Development Of Ethanol Gas Sensors Using Ternary Metal Oxide Thick Films	International Journal of Agricultural Science and Research (IJASR)	2021	2321-0087	http://www.tjprc.org/publishpapers/2-50-1624267254-4IJASRDEC20214.pdf
30	Annealing Effect on Structural, Morphological and Electrical Properties by Screen Printed Bunsenite NiO Thick Films.	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2021	2278-3075	https://www.ijitee.org/wp-content/uploads/papers/v10i6/F88260410621.pdf
29	Sensors and controller for efficient utilization of agricultural sprayers a review .	Mukt Shabd Journal	2020	2347-3150	https://drive.google.com/file/d/1aOna5Tu2UR3vveNfBc2wHAX18Jgo3ZBU/view?usp=sharing
28	Electrical Resistivity, Thermoelectric Power and I-V Characteristics of Sb-Se Thin Films at Different Compositions.	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2020	2278-3075	https://drive.google.com/file/d/1HOejnJKdIkbaAz8A8jYgY7ktCto2HHrz/view?usp=sharing
27	Impact of the Evolution of Smart Phones in Education Technology and its Applications in Learning Electronic Circuits	Ajanta Prakashan,	2019	2277-5730	https://drive.google.com/file/d/1pIkf7KlFk7f8HJIGkth-O9vgY6KGWFvW/view?usp=sharing
26	Virtual Laboratory - An innovative Teaching and	Ajanta Prakashan,	2019	2277-5730	https://drive.google.com/file/d/10fx6LFvP-

	Learning Method				j0swcpQjD1eSzrWXMhgRygV/view?usp=sharing
25	RF Controlled Arduino Based Mine Detector and Position Spying Robot	Ajanta Prakashan	2019	2277-5730	https://drive.google.com/file/d/1cC6tDUqFuJgGW3mhQi79QCflmziBnI76/view?usp=sharing
24	Electrostatic Mechanism for Agriculture Sprayer- A Review	Ajanta Prakashan,	2019	2277-5730	https://drive.google.com/file/d/1FUU9eH_LWVJ7DIF04OzrIFA-eAmO5crG/view?usp=sharing
23	SWAYAM-A Digital Platform for Distance Learning in Higher Education	Ajanta Prakashan,	2019	2277-5730	https://drive.google.com/file/d/1Tj6TByGj1195XpOE0BqOie1vRWFO7Not/view?usp=sharing
22	Electrical characterization of undoped and Cu doped ZnO thin films using physical vapor deposition technique.	Researcher's World	2018	2229-4686	https://drive.google.com/file/d/1V3Mn0ZjVnKfbcZRsEZchdi0Z51Dcpx0_/view?usp=sharing
21	Structural properties of vacuum evaporated Zn-Te thin films as a function of annealing temperature.	Researcher's World	2018	2229-4686	https://drive.google.com/file/d/1OHTpMCnzt468zeOnMt2bLXM0sb9mSdwz/view?usp=sharing
20	Electrical resistivity of vacuum evaporated AgSe thin films as a function of thickness.	International Journal of Chemical and Physical Sciences, (IJCPS)	2018	2319-6602	https://drive.google.com/file/d/1eXuAYoULOq82FFCba89VslmbPjZUNsAK/view?usp=sharing
19	The photoconductivity of Ag-Te thin films as a function of thickness and composition at room temperature.	International Journal of Chemical and Physical Sciences, (IJCPS)	2018	2319-6602	https://drive.google.com/file/d/1JbkhquibKMDSaszDAu4vs5f99DUuu49W/view?usp=sharing
18	Thickness Dependent Thermoelectric Power (α) of Ag-Te Thin Films	Pelagia Research Library Advances in Applied Science Research	2018	0976-8610	https://www.imedpub.com/articles/thickness-dependent-thermoelectric-power--of-

					agte-thin-films.pdf
17	Thickness Dependent Temperature Coefficient of Resistance (T.C.R) for various Ag-Te thin films.	IOSR Journal of Applied Physics	2018	2278-4861	https://drive.google.com/file/d/1O9yeNk2XYe48N5Kmh4PGk7CGIMZq4sJ/view?usp=sharing
16	Composition dependent thermoelectric Power (α) of Ag-Te thin films as a function of temperature and thickness.	International Journal of Engineering Science Invention	2018	2319 – 6734	http://ijesi.org/papers/Vol(6)9/Version-4/F0609044446.pdf
15	Effect of potassium iodide on solubility and density of Copper iodide in water and DMF at various temperatures.	Research Journal of Science Engineering and Technology	2018	2454-3195	http://www.rjset.com/article_pdf?id=5488.pdf
14	Solubility and Density of Silver Iodide in Water and DMF at Various Temperatures as Function of Potassium Iodide.	IOSR Journal of Applied Physics.	2018	2278-4861	http://iosrjournals.org/iosr-jap/papers/Vol9-issue4/Version-1/L0904016467.pdf
13	Composition Dependent Thermoelectric Power (α) of Zn-Te Thin Films as a Function of Temperature and Thickness	International Journal of Emerging Technology and Advanced Engineering.	2018	2250-2459	https://drive.google.com/file/d/1BELtZWZkASDwzIPH1DCwAvnTmQ61dFNU/view?usp=sharing
12	Surface Tension as a function of temperature and concentration of liquids	International Journal of Chemical and Physical Sciences	2016	2319-6602	https://drive.google.com/file/d/1Oet72Wo4L4hJpn0My7UY0vTaSqOTh0bw/view?usp=sharing
11	Thermoelectric Power (α) and I-V characteristics study of SnO ₂ thin films as a function of thickness.	Pelagia Research Library, Advances in Applied Science Research	2016	0976-8610	https://www.imedpub.com/articles/thermoelectric-power--and-iv-characteristics-study-of-sno2-thin-filmsas-a-function-of-thickness.pdf

10	Hall coefficient, mobility and carrier concentration as a function of composition and thickness of Zn-Te thin films.	Pelagia Research Library, Advances in Applied Science Research	2015	0976-8610	https://www.imedpub.com/articles/hall-coefficient-mobility-and-carrier-concentration-as-a-function-ofcomposition-and-thickness-of-znte-thin-films.pdf
9	Studies on temperature and thickness dependent electrical resistance and conductivity of SnO ₂ thin films.	Scholars Research Library, Archives of Applied Science Research	2015	0975-508X	https://www.scholarsresearchlibrary.com/articles/studies-on-temperature-and-thickness-dependent-electrical-resistance-and-conductivity-of-sno2-thin-films.pdf
8	Composition and Thickness Dependent Hall coefficient, Mobility and carrier concentration of vacuum evaporated Ag-Te thin films	International J. of Science and Research	2015	2319-7064	https://www.ijsr.net/archive/v4i1/SUB15785.pdf
7	The Photocurrent studies of ZnTe Thick Films as a function of different Parameters.	International Journal of Chemical and Physical Sciences.	2015	2319-6602	https://drive.google.com/file/d/1NQUGdvlfJ44eCdwWmInvkfKjviDv8-U6/view?usp=sharing
6	Studies on Electrical Resistivity of Vacuum Evaporated Zn-Te Thin films.	Journal of Electron Devices.	2014	1682-3427	https://drive.google.com/file/d/1gyQsCqyti-xsMC_M7oy4Mdk1L2rWvMc/view?usp=sharing
5	Studies on thickness dependent Transition	Inter. Jour. of Engi. Science Invention.	2013	2319-6734	

	temperature and Electrical resistivity Co-evaporated thin films of Ag-Te				
4	Micro Structural Analysis of Screen Printed TiO ₂ Thick Films	Journal of Scientific Research.	2012	2170-1237	
3	A study of Application of Ambipolar Transport Equation in Semiconductors using MATLAB	A Journal of Lab. Experiments.	2011	-----	
2	Study of Micro Structural Parameters of Screen Printed ZnO Thick Film Sensors.	Sensors and Transducers Journal.	2010	1726-5479	
1	Photoconductivity study as a function of thickness and composition of Zn-Te thin films for different illuminated conditions at room temperature” Impact factor: 0.477	Optoelectronics and Advanced Materials.	2010	1842-6573	