

Research Publication

Research Papers publication:

Sr. No.	Title of papers	Name of Author	Journal	ISSN / ISBNNo.	National International with impact factor. If any
1.	Electron Trajectories of Electromagnetic Wave Undulator and Reverse Axial Field	Vijay Huse, Prafull Padghan , Dhananjay Bhojar, Bramh Prakash	International Journal of Scientific Research in Science and Technology	2395-602X	International
2.	Principle Component Analysis of Speckle Interferograms of Thermally Deformed Objects	Prafull Padghan , Nikhil Bhagat, Kamlesh Alti, Abhay Khamborkar	Advances in Photonics and Electronics: Innovations for Smart and Sustainable Development	9783031680380	International
3.	Using Speckle Contrast as a Tool to Track Static and Dynamic Modifications of the Surface	Prafull Padghan , Nikhil Bhagat, Kamlesh Alti, Abhay Khamborkar	Advances in Photonics and Electronics: Innovations for Smart and Sustainable Development	9783031680380	International
4.	Effect of Digital Filtering on the Analysis of Surface Deformations using Electronic Speckle Pattern Interferometer	P. P. Padghan , N.B. Bhagat, K.M. Alti	AIP: Conference Proceedings	978-0-7354-4121-7	International
5.	Electronic Speckle Pattern Interference technique for measuring Thickness of metallic nano thin films	N.B. Bhagat, P.P. Padghan , R. Kesarwani, A. Khare, K. M. Alti	Materials Today	2214-7853	International
6.	Ultrasonic Investigation of Drug Zingiber officinale with Metal Ions as a Function of Concentration	Pallavi B. Nalle, Sangita U. Shinde, N. B. Thakare, and Prafull P. Padghan	Macromolecular Symposia	1521-3900	0.6
7.	Measurement of nanoscale surface roughness using electronic speckle pattern interferometer	P. P. Padghan , V. D. Pande, P. U. Ingle, S.S. Sen, A.K. Gade, and K. M. Alti	AIP Conference Proceedings	978-0-7354-1830-1	International
8	Comparative study of temporal phase Shifting algorithms and their effect on Surface profiles	P. P. Padghan , K. M. Alti	AIP Conference Proceedings	978-0-7354-1830-1	International
9.	Quantification of nanoscale deformations using electronic speckle pattern interferometer	P. P. Padghan , K.M. Alti	Optics and Laser Technology	0030-3992	3.319

10.	Impact of multiple usages of digital filters on speckle contrast and phase maps	P. P. Padghan, K.M. Alti	Optik	0030-4026	1.914
11.	Quantitative Study of Deformations using Electronic Speckle Pattern Interferometer	P. P. Padghan, K.M. Alti	Research & Reviews: Journal of Physics	2278-2265	National
12.	Experimental Realization Of Multiple All Optical Universal Logic Gates Using Array Illuminator	P. P. Padghan, K.M. Alti	International Journal Of Pure And Applied Research In Engineering And Technology	2319-507X	4.2

Publications other than journal articles (books, chapters in books):

Sr. No.	Title with page nos./ Chapter with page no.	Book Title, editor & publisher	Publication International/ National/ Local	ISSN/ISBNNo.
1	Simple Demonstration Of Quantum Eraser	Emerging Trends in Science and Technology, Dr. Mukesh Kumar Kumawat Dr. Nagendra Singh, Bhumi Publishing	National	978-81-951982-2-1
2	Temporal Phase Shifted Electronic Speckle Pattern Interferometer Using Standardized Optical Phase Shifter	Emerging Trends in Science and Technology, Dr. Mukesh Kumar Kumawat Dr. Nagendra Singh, Bhumi Publishing	National	978-81-951982-2-1