

## Research Publication

**Dr. P. P. Padghan**

### Research Papers publication:

Sr. No.	Title of papers	Name of Author	Journal	ISSN / ISBNNo.	National International with impact factor. If any
1.	Effect of Digital Filtering on the Analysis of Surface Deformations using Electronic Speckle Pattern Interferometer	<b>P. P. Padghan</b> , N.B. Bhagat, K.M. Alti	AIP: Conference Proceedings, 2369 (1), 020030, (2021)	978-0-7354-4121-7	<b>International</b>
2.	Electronic Speckle Pattern Interference technique for measuring thickness of metallic nano thin films	N.B. Bhagat, <b>P.P. Padghan</b> , R. Kesarwani, A. Khare, K.M. Alti	Materials Today, (2021)	2214-7853	<b>International</b>
3.	Ultrasonic Investigation of Drug Zingiberofficinale withMetal Ions as a Function of Concentration	Pallavi B. Nalle, Sangita U. Shinde, N. B. Thakare, and <b>Prafull P. Padghan</b>	Macromolecular Symposia 392, 2000080 (2020)	1521-3900	<b>International (0.6)</b>
4.	Measurement of nanoscale surface roughness using electronic speckle pattern interferometer	<b>P. P. Padghan</b> , V. D. Pande, P. U. Ingle, S. S. Sen, A. K. Gade, and K. M. Alti	AIP Conference Proceedings 2100, 020062 (2019)	978-0-7354-1830-1	<b>International</b>
5.	Comparative study of temporal phase shifting algorithms and their effect on surface profiles	<b>P. P. Padghan</b> , K. M. Alti	AIP Conference Proceedings 2100, 020072 (2019)	978-0-7354-1830-1	<b>International</b>

6.	Quantification of nanoscale deformations using electronic speckle pattern interferometer	<b>P. P. Padghan</b> , K. M. Alti	Optics and Laser Technology Vol. 107 pp. 72–79 (2018)	0030-3992	<b>International</b> (3.319)
7.	Impact of multiple usages of digital filters on speckle contrast and phase maps	<b>P. P. Padghan</b> , K. M. Alti	Optik Vol. 154 pp. 610-615 (2018)	0030-4026	<b>International</b> (1.914)
8	Quantitative Study of Deformations using Electronic Speckle Pattern Interferometer (ESPI)	<b>P. P. Padghan</b> , K. M. Alti	Research & Reviews: Journal of Physics, Volume 4, Issue 2, pp. 1-7 (2015)	2278-2265	<b>National</b>
9.	Experimental Realization Of Multiple All Optical Universal Logic Gates Using Array Illuminator	<b>P. P. Padghan</b> , K. M. Alti	International Journal Of Pure And Applied Research In Engineering And Technology Volume 2 (9) pp. 238-245	2319-507X	<b>International</b> (4.2)
10	Calibration and testing of low cost optical phase shifter	<b>P. Padghan</b> , K. M. Alti	International conference on Advances in Materials Science (ICAMS-2016) Raje Ramrao Mahavidyalaya, Jath	978-93-5254-490-5	<b>International</b>
11	Effect of rotational Wiggling on speckle contrast	<b>P. Padghan</b> , P.P. Rathi and K. M. Alti	International conference on Advances in Materials Science (ICAMS-2016) Raje Ramrao Mahavidyalaya, Jath	978-93-5254-490-5	<b>International</b>
12	Effect of digital filtering on speckle contrast	<b>P. Padghan</b> , K. M. Alti	National Laser Symposium (NLS-24), 2015 RRCAT, Indore	978-81-903321-6-3	<b>National</b>
13	Nearly periodic fluctuations in static speckle pattern	<b>P. Padghan</b> , K. M. Alti	National Laser Symposium (NLS-24), 2015 RRCAT, Indore	978-81-903321-6-3	<b>National</b>
14	Imaging the refractive change in air plasma electronic speckle pattern interferometer (ESPI)	<b>P. Padghan</b> , K. M. Alti	National Conference on Novel synthesis of Advanced materials and their application (NSAMA-2015)	978-83-82962-51-9	<b>National</b>

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15	Two dimensional electronic beam and refractive index change profiles of electric spark using Michelson's interferometer	<b>P. Padghan</b> , Mohd. Aqueel, K. M. Alti	National conference on novel synthesis of advance material - 2015 Dhote Bandhu Science College, Gondia	978-93-82962-51-9	<b>National</b>
16	Fabrication of array illuminator	<b>P. Padghan</b> , K. M. Alti	National Conference of Recent Trends in Mathematics and Physics Application – 2014 Shankarlal Khandelwal college of Science Akola.	978-81-929160-2-6	<b>National</b>

**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	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
2	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