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Sr. No	Title	Name of Authors as mentioned in paper	Journal, Vol. No., Page No. Year	Impact Factor if any	ISSN/ ISBN No.
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
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
3.	Ultrasonic Investigation of Drug Zingiberofficinale with Metal 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)	0.6	1521-3900
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
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
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)	3.319	0030-3992
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)	1.914	0030-4026
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
9.	Experimental Realization Of Multiple All Optical Universal Logic Gates Using Array	<b>P. P. Padghan</b> , K. M. Alti	International Journal Of Pure And Applied Research In Engineering And Technology Volume 2	4.2	2319-507X

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10	Calibration and testing of low cost optical phase shifter	<b>P. Padghan, K. M. Alti</b>	International conference on Advances in Materials Science (ICAMS-2016) Raje Ramrao Mahavidyalaya, Jath		978-93-5254-490-5
11	Effect of rotational Wiggling on speckle contrast	<b>P. Padghan, P.P. Rathi and K. M. Alti</b>	International conference on Advances in Materials Science (ICAMS-2016) Raje Ramrao Mahavidyalaya, Jath		978-93-5254-490-5
12	Effect of digital filtering on speckle contrast	<b>P. Padghan, K. M. Alti</b>	National Laser Symposium (NLS-24), 2015 RRCAT, Indore		978-81-903321-6-3
13	Nearly periodic fluctuations in static speckle pattern	<b>P. Padghan, K. M. Alti</b>	National Laser Symposium (NLS-24), 2015 RRCAT, Indore		978-81-903321-6-3
14	Imaging the refractive change in air plasma electronic speckle pattern interferometer (ESPI)	<b>P. Padghan, K. M. Alti</b>	National Conference on Novel synthesis of Advanced materials and their application (NSAMA-2015) Department of Physics, Science College, Maregaon		978-83-82962-51-9
15	Two dimensional electronic beam and refractive index change profiles of electric spark using Michelson's interferometer	<b>P. Padghan, Mohd. Aqueel, K. M. Alti</b>	National conference on novel synthesis of advance material - 2015 Dhote Bandhu Science College, Gondia		978-93-82962-51-9
16	Fabrication of array illuminator	<b>P. Padghan, K. M. Alti</b>	National Conference of Recent Trends in Mathematics and Physics Application – 2014		978-81-929160-2-6

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