

FACULTY PROFILE

Name	Dr. Prashant Shukla						Date of Birth: 15-10-1974			
Designation	Assistant Professor				Date of holding Present Post			01-06-2013		
Name of the Department and School	Physics,						School of Mathematical & Physical Sciences			
Contact Details	Email : opticsshukla@gmail.com						Mobile:9165062687			
Educational Qualifications (UG onwards)	B.Sc. Lucknow University 1995, M.Sc.Lucknow University 1997, Ph.D. IIT Kanpur 2010									
Research Area/Specialization	Biomedical Optics/ Lasers and Spectroscopy									
Awards/ Honors / Fellowship Conferred (With details thereof)	CSIR JRF & SRF Fellowship									
Summary of Publications (Number only)	Research Papers	15	Books	01	Chapter in Books		Seminars/ Conferences Proceedings	08	Projects	01

Research Projects (Completed and Ongoing):

S.No.	Title	Funding Agency	Duration	Sanction order No. & Date	Amount in Rs. Lakh	Completed/ongoing
1.	Depth resolve Imaging in Tissue Phantoms (mimic of tissues) using Polar Mueller Decomposition Technique	UGC, India	Two years	22-07-2014	6 Lacks	completed

PUBLICATIONS – 2013 onwards :

International Publications (Details of Research Papers) – 2013 onwards:

2013	P Shukla , Grading of Dysplastic Stages of Cervical Tissue through PCA Analysis of Mueller Decomposed Images, Journal of International Academy Of Physical Sciences 17 (1) 2013
2018	<ul style="list-style-type: none"> S Gupta, R Singh, V Kumar, P Shukla, KB Joshi, Ornamentation of Triskelion Peptide Nanotori to Produce Gold Nanoparticle (AuNP)-Embedded Peptide Nanobangles, Chemistry–An Asian Journal 13 (21), 3285-3295 HY Dar, A Singh, P Shukla, R Anupam, RK Mondal, PK Mishra, High dietary salt intake correlates with modulated Th17-Treg cell balance resulting in enhanced bone loss and impaired bone-microarchitecture in male mice, , Scientific reports 8 (1), 2503 (2018) HY Dar, P Shukla, PK Mishra, R Anupam, RK Mondal, GB Tomar , Lactobacillus acidophilus inhibits bone loss and increases bone heterogeneity in osteoporotic mice via modulating Treg-Th17 cell balance, , ...Bone Reports 8, 46-56 (2018) Prashant Shukla, Shristi Tiwaria, Shalik Ram Joshib, V.R. Akshayc,d, M. Vasundharac,d,**, Shikha Varmae, Jai Singha, Anupama Chandaa, Investigation on structural, morphological and optical properties of Codoped ZnO thin films , Physica B: Condensed Matter 550 (2018) 303–310 vikas kumar, mrinal kashyap, shrusty gautam , prashant shukla, khashti ballabh joshi, and vandana vinayak , Fast Fourier infrared spectroscopy to characterize the biochemical composition in diatoms, , J Biosci Vol. 43, No. 4, September 2018, pp. 717–729
2019	<ul style="list-style-type: none"> A. Ahiwar, S. Gupta, M. Kashyap, P. Shukla, V. Vinayak, Differential cell viability in Nitzschia palea on exposure to different organic and inorganic environmental effluents, International Journal of Environmental Science and Technology, Springer Nature, 2019 S. Bagde, P. Shukla, R.K. Srivastav, R. Mondal and R. Anupam, Validation of environmental disinfection efficiency of traditional Ayurvedic fumigation practices, Journal of Ayurveda and Integrative Medicine, 10, 203-206, 2019 P Shukla, Maheswar Panda, Avaneesh Mishra, Effective enhancement of dielectric properties in cold-pressed polyvinylidene fluoride/barium titanate nanocomposites, SN Applied science 1230, 2019

National Seminar/Conference/Workshops (Organised) – 2013 onwards

	Horizons of Light in Molecules, Materials and Daily Life" Dec. 2015, Dr. H S Gour Central University Sagar
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Research Papers in Proceedings (International Seminar/Conference/Workshops) – 2013 onwards

	<ul style="list-style-type: none"> Effect of cobalt doping on structural and optical properties of ZnO nanoparticles, J Singh, A Chanda, S Gupta, P Shukla, V Chandra, AIP Conference Proceedings 1731 (1), 050091 (2016) Study of morphological changes in scattering and optically anisotropic medium through correlation images, N Jain, P Shukla, J Singh, AIP Conference Proceedings 1953 (1), 140094
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