

Faculty Profile
(For booklet and website)

Name: DEO PRAKASH

Designation: Assistant Professor

Department: Computer Science & Engineering (Faculty of Engineering)

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Qualification: B.E. (CS&E), M. Tech. (CS&E), Ph.D. (CS&E-Thesis Submitted)

Experience: 9⁺ Years

Teaching: 09⁺

Research: 09⁺

Administration: 09⁺

Total: 09⁺



Areas of Interest / Specialization: Computer Science & Engineering

1. Future Generation Networks & Systems

Brief Bio-data:

I have Completed my B.E. (C.S.E.) from Institute of Engineering & Technology, Khandari, U.P. and M. Tech. (C.S.E) from G.G.S.I.P. University, Delhi both with first division. I have submitted my PhD thesis in Computer Science & Engineering, Faculty of Engineering from SMVD University (A Technical University of J&K, State), Kakrtal, Katra, J&K, India. I have published a number of research papers in Thomson Reuters/ SCI indexed non-paid reputed international Journals. I am reviewer for a number international journals from reputed publishing houses like Elsevier, Springer, Taylor & Francis, IEEE, Inderscience and many others. I have been grant reviewer for International projects from Europe.

Research Profile

Research Publications:

S. No.	Year	List of Some Papers Published in (Reputed Non Paid International Journals Indexed in WoS /SCI)
1.	2017	<p>“Computational investigations on band structure and electronic features of chromium-based carbides and nitride Cr₃PX (X = C and N) through the FP-APW+LO approach”, Volume 109, September 2017, Pages 1-12 Superlattices and Microstructures(ELSEVIER)</p> <p>Impact Factor: 2.123 ISSN: 0749-6036 Country: England</p>
2.	2017	<p>“First-Principle Calculations of Structural, Elastic, and Electronic Properties of Intermetallic Rare Earth R₂Ni₂Pb (R = Ho, Lu, and Sm) Compounds”, Journal of Superconductivity and Novel Magnetism, (Accepted on 28th June , 2017). (SPRINGER)</p> <p>Impact Factor: 1.180 ISSN: 1557-1939 Country: USA</p>
3.	2017	<p>“Analysis of HLB pass filter using silicon photonics structure, Optik, Volume 144, September 2017, Pages 522-527 (ELSEVIER)</p> <p>Impact Factor: 0.835 ISSN: 0030-4026 Country: Germany</p>
4.	2017	<p>“A Query Interface Language for Collaborative Databases”, Distributed and Parallel Databases: An International Journal (SPRINGER)</p> <p>Impact Factor: 1.179 ISSN: 0926-8782 Country: USA</p>
5.	2017	<p>“Compositional analysis and optical properties of Co doped TiO₂ thin films fabricated by spray pyrolysis method for Dielectric and Photocatalytic applications, Optik, Volume 128, January 2017, Pages 212-217 (ELSEVIER)</p> <p>Impact Factor: 0.835 ISSN: 0030-4026 Country: Germany</p>
6.	2016	<p>“Determination of the optical Constants and film thickness of ZnTe and ZnS in terms of spectrophotometric and spectroscopic ellipsometry”, Ceramics International, vol. 42, issue 2, part A, pp. 2676–2685, 1 February 2016. (ELSEVIER)</p> <p>Impact Factor: 2.986 ISSN: 0272-8842 Country: England</p>
7.	2016	<p>“Synthesis, Purification and Microstructural Characterization of Nickel Doped Carbon Nanotubes for spintronic applications”, Ceramics International, vol. 42, issue 5, pp. 5600–5606, April 2016. (ELSEVIER)</p> <p>Impact Factor: 2.986 ISSN: 0272-8842 Country: England</p>

8.	2016	<p>"Thickness-dependent dispersion parameters, energy gap and nonlinear refractive index of ZnSe thin films", Materials Research Bulletin, vol. 80, pp. 120-126, August 2016. (ELSEVIER)</p> <p>Impact Factor: 2.446</p> <p>ISSN: 0025-5408</p> <p>Country: USA</p>
9.	2016	<p>"Post annealing effects on structural, optical and electrical properties of CuSbS₂ thin films fabricated by combinatorial thermal evaporation technique", Superlattices and Microstructures, vol. 89, pp. 136-144, January 2016. (ELSEVIER)</p> <p>Impact Factor: 2.123</p> <p>ISSN: 0749-6036</p> <p>Country: England</p>
10.	2016	<p>"Combined theoretical studies of the optical characteristics of II-IV-V₂ semiconductor thin films", Optical Materials, vol. 54, pp. 200–206, April 2016. (ELSEVIER)</p> <p>Impact Factor: 2.238</p> <p>ISSN: 0925-3467</p> <p>Country: Netherlands</p>
11.	2016	<p>"Computational analysis of higher order optical vortex", Optik, vol. 127, issue 2, pp. 722-727, January 2016. (ELSEVIER)</p> <p>Impact Factor: 0.835</p> <p>ISSN: 0030-4026</p> <p>Country: Germany</p>
12.	2016	<p>"Investigations of the Structural, Electronic, Magnetic, and Half-Metallic Behavior of Co₂MnZ (Z = Al, Ge, Si, Ga) Full-Heusler Compounds", Journal of Superconductivity and Novel Magnetism, vol. 29, issue 3, pp. 809-817, March 2016. (SPRINGER)</p> <p>Impact Factor: 1.180</p> <p>ISSN: 1557-1939</p> <p>Country: USA</p>
13.	2016	<p>"Investigation of optical properties of amorphous Ge₁₅Se_{85-x}Cu_x thin films using Spectroscopic ellipsometry", Solid State Sciences, vol. 52, pp. 65–71, February 2016. (ELSEVIER)</p> <p>Impact Factor: 1.811</p> <p>ISSN: 1293-2558</p> <p>Country: France</p>
14.	2016	<p>"Structural, Electronic, Elastic, Thermoelectric and Thermodynamic properties of the NbMSb half heusler (M=Fe, Ru, Os) compounds with first principle calculations", Superlattices and Microstructures, vol. 93, pp. 171–185, May 2016. (ELSEVIER)</p> <p>Impact Factor: 2.123</p> <p>ISSN: 0749-6036</p> <p>Country: England</p>
15.	2016	<p>"Realization and computational analysis of splitting in higher order optical vortices", Optik, vol. 127, issue 14, pp. 5757–5760, July 2016. (ELSEVIER)</p> <p>Impact Factor: 0.835</p> <p>ISSN: 0030-4026</p> <p>Country: Germany</p>
16.	2016	<p>"Zinc selenide nanoparticles (ZnSe-NPs): Green synthesis and investigation of its cytotoxicity effects", Ceramics International, vol. 42, pp. 12115–12118, 1 August 2016. (ELSEVIER)</p> <p>Impact Factor: 2.986</p> <p>ISSN: 0272-8842</p> <p>Country: England</p>

17.	2016	"Fabrication, analysis and characterization of Cu ₂ Zn _{1-x} Cd _x SnS ₄ quaternary alloys nanostructures deposited on GaN", Journal of Mat. Sci., vol. 51, issue 14, pp. 6876-6885, July 2016. (SPRINGER) Impact Factor: 2.599 ISSN: 0022-2461 Country: USA
18.	2016	"High efficiency polymer grating SOI structures for optical interconnect: An application of organic photonics", Optik, Volume 127, Issue 22, November 2016, Pages 10948–10952. (ELSEVIER) Impact Factor: 0.835 ISSN: 0030-4026 Country: Germany
19.	2016	"Optical analysis of lens-like Cu ₂ CdSnS ₄ quaternary alloy nanostructures", Applied Physics A, (2016) 122:888 (SPRINGER) Impact Factor: 1.455 ISSN: 0947-8396 Country: USA
20.	2015	"Optical investigations of blue shift in ZnS quantum dots", Superlattices and Microstructures, vol. 88, pp. 662–667, December 2015. (ELSEVIER) Impact Factor: 2.123 ISSN: 0749-6036 Country: England
21.	2015	"Optical investigation of nanophotonic lithium niobate-based optical waveguide", App. Phy. B, vol. 121, issue 1, pp 107-116, October 2015. (SPRINGER) Impact Factor: 1.696 ISSN: 0946-2171 Country: USA
22.	2012	"Growth of (111) Oriented CeO ₂ Nano Thin Films and their Structural and optical properties", Sci. of Adv. Mat., Vol. 4, pp. 1154-1159, November (2012) (American Scientific Publishers) Impact Factor: 1.671 ISSN: 1947-2935 Country: USA
23.	2009	"Optical Characterization of hydrothermally grown SnO ₂ Nanocrystals", JOAM, Vol. 11, No -3, (2009) page-331-337 Impact Factor: 0.449 ISSN: 1454-4164 Country: Romania (Europe)
24.	2007	"Post annealing effects on SnO ₂ thin films grown by thermal evaporation technique", OAM – Rapid Communications, Vol.- 01, No.12, (2007), page- 683-688 Impact Factor: 0.470 ISSN: 1842-6573 Country: Romania (Europe)