

1. Publications (2023-24):

S. No	Level/type (national/international)	Papers published in UGC-listed journals	Citations	h-index (based on Scopus/Web of science)	Impact factor range/Average Impact factor	Web-Link of publication (Doi)
1.	International	Prasad, V., Arora, M. & Varsha , Enhancement of persistent currents and magnetic fields in a two dimensional quantum ring. <i>Sci Rep</i> 13, 15486 (2023).	5	315	3.8	https://doi.org/10.1038/s41598-023-42417-2
2.	International	R.Menon , M.Verma, D.Haridas, A.Tanwar, Modeling Radioactive Decay Series Phenomenon Involving First-Order Differential Equation and Visualizing Solutions Using Open-Source Software XCOS, The Physics Educator, Vol. 06, No. 02, 2450005 (2024)	0	4	0.5	https://doi.org/10.1142/S2661339524500057
3.	International	A.K.Pandey, R.Sharma, D.Choudhary, N.B.Bali, M.Verma, R.Menon , A.Tanwar, Investigating the effect of coolant on cooling rate of engine oil used in automobile industry using Arduino interfaced temperature sensor, Physics Education,	0	36	1.2	https://doi.org/10.1088/1361-6552/ad2558

		Volume 59, Number 2 (2024)				
4.	International	R.Jain, M.Verma, A.Tanwar, R.Menon , D.Haridas, S.Mahajan, K.Sreenivas, Low temperature relaxor behaviour of SrBi _{1.5} La _{0.5} Nb ₂ O ₉ ceramics, Ferroelectrics, 618(3), 696–703 (2024)	0	64	0.8	https://doi.org/10.1080/00150193.2023.2296295
5.	International	N.B.Bali, R.Sachdeva, P.Ashdhir, M.Verma, D.Haridas, R.Menon , A.Tanwar, Solving exact solution of time independent Schrodinger wave equation and visualizing eigenfunctions using XCOS, Physica Scripta 99 (1), 016101 (2023)	1	91	2.6	https://doi.org/10.1088/1402-4896/ad114f
6.	International	M Verma, D Haridas, A Tanwar, R Menon , R Jain, K Sreenivas, Effect of annealing temperature and thickness on the structural and optical properties of strontium bismuth niobate films, Thin Solid Films 776, 139885 (2023)	2	206	2.18	https://doi.org/10.1016/j.tsf.2023.139885
7	International	Seema Gupta , Ankur Anand, Neeru, Rachana kumar. Analytical modeling of adsorption isotherms for pristine and		70	0.7	https://doi.org/10.1515/ijmr-2021-8712

		functionalized carbon nanotubes as gas sensors. Int. J.Mater. Res., 114(7-8), 653-661, 1862-5282 (2023)				
8	International	Pushpa Bindal and Ayasha Malik "Graphical User Interface: An Efficient Approach for Analysis and Comparative Study of Different Distributions in Statistical Mechanics", IJECWK, Vol. 5, Issue 1, Nov. 2023, ISSN No. 2249-541X (Print) & 2249-5428 (Online).	0	4	0.322	https://drive.google.com/file/d/1HgAFZPz6XfRCXFNdEGQdHnd48b55uJBj/view
9	International	Sharma S. , Tomar M. and Gulati S. (2023).Impact of top metal electrodes on current conduction in WO3 thin films. International Journal of Materials Research, 114, 633-640, Online ISSN: 2195-8556	0	70	0.8	https://doi.org/10.1515/ijmr-2021-8723
10	International	Lamichhane S., Sharma S. , Tomar M. and Chowdhuri A. (2023) Effect of annealing on Resistive Switching properties of GLAD assisted WO3 thin films, Physica Status Solidi (A) Applications and Materials, 220(20),	01	116	2.0	https://doi.org/10.1002/pssa.202300358

		2300358; Online ISSN: 1862-6319.				
11	International	Lamichhane S., Sharma S. , Tomar M. and Arijit Chowdhuri A. (2023) Studies on photovoltaic properties of BFO/WO3 bilayer thin films for solar energy harvesting applications Results in Optics, 13(3), 100539. Print ISSN: 2666-9501	02	16	–	https://doi.org/10.1016/j.rio.2023.100539
12	International	Rehsawla R., Dhull N., Tomar M., Sharma S. and Yadav N. R.(2023) Nanofilm-Enhanced Electrochemical DNA Sensing: A Breakthrough for Yellow Rust Detection in Wheat , Materials Research Express, Volume 10, Number 11, 116402, (2023), Online ISSN: 2053-1591	0	64	2.3	http://dx.doi.org/10.1088/2053-1591/acffac

13	International	<p>Gulati, S., & Jain, R. (2023). Structural, morphological, and magnetic properties of Fe²⁺-substituted Mn ferrite nanoparticles for biomedical applications. <i>Journal of Superconductivity and Novel Magnetism</i>, 36(5), 1373-1383</p>	3	58	1.675	<p>https://doi.org/10.1007/s10948-023-06570-z</p>
14	International	<p>Jain, R., & Gulati, S. (2023). Influence of Fe²⁺ substitution on FTIR and Raman spectra of Mn ferrite nanoparticles. <i>Vibrational Spectroscopy</i>, 126, 103540.</p>	20	90	2.382	<p>https://doi.org/10.1016/j.vibspec.2023.103540</p>

15	International	<p>Gulati, S., Gokhale, S., & Luthra, V. (2024). Optimization of magnetic properties of MnFe₂O₄ by modulating molarity of NaOH as precipitating agent. <i>International Journal of Materials Research</i>, 115(4), 266-273</p>	-	55	0.678	10.1515/ijmr-2023-0017
16	International	<p>Manisha Tyagi, V. Bhasker Raj and Monika Tomar (2024) High gain NiO/ZnO heterojunction photodiodes operated in Deep-ultraviolet region. <i>Thin Solid Films</i>, vol 798 pp 140389, 0040-6090</p>	1	213	2	https://www.sciencedirect.com/science/article/abs/pii/S0040609024001901

S. No	Level/type (national/international)	Papers published in Peer Reviewed Journal	Citations	h-index (based on Scopus/ Web of Science)	Impact factor range/Average Impact factor	Web-Link of publication (Doi)
1.	National	Seema Gupta , Ankur Anand , Neeru , Rachana Kumar.” Kinetic study of adsorption of NH ₃ gas on pristine and tin oxide functionalized Carbon Nanotubes”.HANS SHODH SUDHA, VOL. 4, Issue 2, (2023), pp. 15-24 ISSN: 2582-9777 October-December 2023 .				https://www.hansshodhsudha.com/volume4-issue2/2.pdf
2.	National	Pushpa Bindal, Triranjita Srivastava, Shweta Tiwari, Yati Gupta, Vanshika Singh, Sakshi, “A Study of Scientific Implementation of Python to Physics”, yearly academic journal 2023, ISSN: 2348-9014, Kalindi College		NA	NA	
3.	International	Gulati, S. (2023), Influence Of Dopants Fe ²⁺ And Yb ³⁺ On Structural And Optical Properties Of				

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		MnFe ₂ O ₄ Nanoparticles. IOSR Journal of Applied Physics (IOSR-JAP).				
4.		Gulati, S., & Jain, R. (2023). Solar Cells for Ecological Sustainable Development: A Review. <i>Journal of Advanced Zoology</i> , 44.				
5.		Gulati, S. (2023), A review on the Variation in the properties of doped and undoped				https://www.jettir.org/archive?v=11&i=12&

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1.	National	Seema Gupta , Ankur Anand , Neeru , Rachana Kumar.” Kinetic study of adsorption of NH ₃ gas on pristine and tin oxide functionalized Carbon Nanotubes”.HANS SHODH SUDHA, VOL. 4, Issue 2, (2023), pp. 15-24 ISSN: 2582-9777 October-December 2023 .				https://www.hansshodhsudha.com/volume4-issue2/2.pdf
		MnFe ₂ O ₄ nanoparticles, Journal of Emerging Technologies and Innovative Research. 10 (12).				j=December% 202024

c. Monographs, Books, Chapters in National/International books with ISBN number.

<https://forms.gle/ECtbasbojeS2pCHG6> (Upload the proof in the google form)

S. No	Level/type (national/ international)	Monographs , Books, Chapters in books	Citations	h-index (based on	Impact factor range/Average	Web-Link of publication (Doi)

	internati onal)	Published with ISBN		Scop us/ Web of scien ce)	Impact factor	
1	Internatio nal	Pushpa Bindal and Ayasha Malik Graphical User Interface (GUI): Characterizatio n Technique for Photonic and Plasmonic Structures, pp 57-67, Chapter 10, Recent Advances in Functional Materials and Devices, Springer Proceedings in Materials, Vol. 37, 2023.		214	3.5	https://link.springer.com/chapter/10.1007/978-981-99-6766-7_6
2	Internatio nal	Thakur N., Sharma S. , Borkar H. (2023).Flexoele ctricity in lead-based ceramics: theories and progress. In: Flexoelectricit y in Ceramics and their Application,				https://doi.org/10.1016/B978-0-323-95270-5.00004-1

		<p>Edition1, Chapter 4, Elsevier Series in Advanced Ceramic Materials 2024, Pages 97-127, Elsevier, Paperback ISBN: 978032395270 5, eBook ISBN: 978032395271 2</p>				
3	International	<p>Sharma, S., Paliwal, A., Kumar, P., Saxena, N. (2023). II–VI Semiconductor -Based Optical Gas Sensors. In: Korotcenkov, G. (eds) Handbook of II-VI Semiconductor -Based Sensors and Radiation Detectors. Springer, Cham. pp. 307-333, ISBN: 978-3- 031-23999-1_</p>				<p>https://doi.org/10.1007/978-3-031-24000-3_12</p>

4	International	Jain, R., & Gulati, S. (2024). Hysteresis Motor. <i>Special Electrical Machinery</i> , 61. Wiley Online Library First published: 28 June 2024				https://doi.org/10.1002/9781394193912.ch3
5	International	Meena, R. K., Fageria, P., Sharma, A., Gaur, A., Gulati, S. , & Kumari, R. (2024). Achiral Polymer-supported Organic Reagents. In <i>Polymer Supported Organic Catalysts</i> (pp. 31-63). CRC Press. 26 July 2024.				https://doi.org/10.1201/9781003039785

Monographs, Books, Chapters in books without ISBN number:

S. N.	Level/type (national/international)	Monographs, Books, and Chapters in books Published with ISBN	Citations	h-index*	Impact factor range/Average Impact factor*	Web-Link
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1	National	Pushpa Bindal Contributed a unit on ' Interference ' in M.Sc. Physics course of Indira Gandhi National Open University.				https://drive.google.com/drive/u/0/my-drive
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