Research Publications during last five years of Dr. Tejbir Singh

S.No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number	Impact Factor
1	Variation of photon interaction parameters with energy for some Cu-Pb alloys	**Tejbir Singh,** Sarpreet Kaur, Parminder Kaur, Harvinder Kaur, and Parjit S. Singh	AIP Conference Proceedings Vol. 1675 020057.	2015	978-0-7354-1322-1	
2	Heavy Metal Oxide Glasses As Gamma Rays Shielding Material	Preet Kaur, Devinder Singh and **Tejbir Singh**	Nuclear Engineering & Design Vol. 307 pp. 364-376.	2016	0149-1970	1.54
3	Optical, photoluminescence and physical properties of Sm^{3+} doped lead alumino phosphate glasses	Preet Kaur, Devinder Singh and **Tejbir Singh**	Journal of Non-Crystalline Solids Vol.452 pp. 87-92	2016	0022-3093	2.6
4	Scope of Pb-Sn Binary Alloys As Gamma Rays Shielding Material	Sarpreet Kaur, Amandeep Kaur, Parjit S. Singh and **Tejbir Singh**	Progress in Nuclear Energy Vol. 93 pp. 277-286	2016	0149-1970	1.56
5	Investigation of Saturation Thickness of Sn using Backscattering Technique	Renu Sharma, J.K. Sharma and **Tejbir Singh**	British Journal of Applied Science & Technology Vol. 16(4) pp.1-4.	2016	2231-0843	
6	Effective Atomic Numbers for Some Alloys at 662 keV Using Gamma Rays Backscattering Technique	Renu Sharma, J.K. Sharma and **Tejbir Singh**	Physical Science International Journal Vol. 11(1) pp. 1-6.	2016	2348-0130	

7	Thickness Optimization of Sn-Pb Alloys for Experimentally Measuring Mass Attenuation Coefficients	Taranjot Kaur, Jeewan Sharma and **Tejbir Singh**	Nuclear Energy & Technology Vol. 3 pp. 1-5	2017	2452-3038	
8	Photon Interaction Parameters for ZnO-Al_2O_3-Fe_2O_3-P_2O_5 Glass Systems	Preet Kaur, Devinder Singh and **Tejbir Singh**	Glass Physics & Chemistry Vol. 43 pp 227-232	2017	1087-6596	0.672
9	Synthesis of SnSe2 thin films by thermally induced phase transition in SnSe	Jeewan Sharma, Randhir Singh, Harinder Singh, **Tejbir Singh**, Palwinder Singh, Anup Thakur and S.K. Tripathi	Journal of Alloys & Compound Vol.724 pp. 62-66	2017	0925-8388	4.17
10	Experimental Investigation of Effective Atomic Numbers for some Binary Alloys	Renu Sharma, J.K. Sharma, Taranjot Kaur, **Tejbir Singh**, Jeewan Sharma, Parjit S. Singh	Nuclear Engineering and Technology Vol. 49 pp. 1571-1574	2017	1738-5733	1.54
11	Study of Mobility Activation in ZnSe Thin Films Deposited Using Inert Gas Condensation	Jeewan Sharma, Harinder Singh, **Tejbir Singh**	Journal of Science: Advanced Materials and Devices Vol. 2 pp. 432-436	2017	2468-2179	
12	Photon Energy Absorption Parameters for Some Sm3+ Doped Lead Alumino Phosphate Glasses	Preet Kaur, **Tejbir Singh,** Devinder Singh	International Journal of Pure and Applied Physics Vol. 13 pp. 13-16.	2017	0973-1776	

13	Calibration of Capacitive Cell for Measuring Moisture Content in Grains	Harinder Singh, Babankumar S. Bansod, Ritula Thakur, **Tejbir Singh,** Jeewan Sharma	International Journal of Pure and Applied Physics Vol. 13 pp. 146-149.	2017	0973-1776	
14	Experimental Investigation of Effective Atomic Numbers for Some Pb-Sn Binary Alloys Using Gamma Rays Backscattering Technique	Renu Sharma, J.K. Sharma and **Tejbir Singh**	International Journal of Pure and Applied Physics Vol. 13 pp. 191-194.	2017	0973-1776	
15	Feasibility of Pb-Zn Binary Alloys as Gamma Rays Shielding Materials	Taranjot Kaur, Jeewan Sharma and **Tejbir Singh**	International Journal of Pure and Applied Physics Vol. 13 pp. 222-225.	2017	0973-1776	
16	Gamma Radiation shielding and Sensing Application of Some Rare Earth Doped Lead-Alumino-Phosphate Glasses	Preet Kaur, Devinder Singh and **Tejbir Singh**	Radiation Physics & Chemistry Vol. 144 pp. 336-343	2018	0969-806X	1.98
17	Nanocrystalline ZnxTe100-x (x = 0, 5, 20, 30, 40, 50) thin films: Structural, optical and electrical properties	Harinder Singh, Palwinder Singh, Anup Thakur, **Tejbir Singh,** Jeewan Sharma	Materials Science in Semiconductor Processing Vol. 75 pp. 276-282	2018	1369-8001	2.722

18	Enhanced Moisture Sensing Properties of Nanostructured ZnO Coated Capacitive Sensor for Wheat	Harinder Singh, Akshay Kumar, B.S. Bansod, **Tejbir Singh**, Anup Thakur, Tarandip Singh, Jeewan Sharma	RSC Advances Vol. 8 pp. 3839-3845	2018	2046-2069	3.049
19	Effect of Vacuum Annealing on Structural and Optical Properties of Nanocrystalline ZnTe Thin Films	Harinder Singh, Neha Duklan, **Tejbir Singh**, Anup Thakur, Jeewan Sharma	Journal of Materials Science: Materials in Electronics Vol. 29 pp. 4992-4998	2018	0957-4522	2.195
20	Structural, Optical and Photo-electrical Properties of Nanocrystalline ZnSe Thin Films	Harinder Singh, **Tejbir Singh**, Anup Thakur, Jeewan Sharma	Journal of Materials Science: Materials in Electronics Vol. 29 pp. 5688-5695.	2018	0957-4522	2.195
21	Fusible Alloys: A Potential Candidate for Gamma Rays Shield Design	Jaspreet Singh, Harinder Singh, Jeewan Sharma, **Tejbir Singh,** Parjit S. Singh	Progress in Nuclear Energy 106 (2018) 387-395	2018	0149-1970	1.56
22	Size-Controlled Synthesis of Nanocrystalline CdSe Thin Films by Inert Gas Condensation	Jeewan Sharma, Randheer Singh, Akshay Kumar, **Tejbir Singh**, Paras Agrawal, Anup Thakur	Applied Nanoscience 8 (2018) 359-367	2018	2190-5517	3.198

23	Review on Optical, Structural and Electrical Properties of ZnTe Thin Films: Effect of Deposition Techniques, Annealing and Doping	Harinder Singh, Jeewan Sharma, **Tejbir Singh**	ISSS Journal of Micro and Smart Systems 7 (2018) 123-143	2018	2509-7989	
24	Gamma Rays Shielding Parameters for Some Pb-Cu Binary Alloys	Amandeep Kaur, Jeewan Sharma, Parjit S. Singh and **Tejbir Singh**	Engineering Science and Technology, an International Journal Vol. 21 pp. 1078-1085	2018	2215-0986	2.432
25	Extensive Investigations of Photon Interaction Properties for Zn_xTe_{100-x} Alloys	Harinder Singh, Jeewan Sharma, **Tejbir Singh**	Nuclear Engineering and Technology Vol. 50 pp. 1364-1371.	2018	1738-5733	1.54
26	Structural Analysis of Nanocrystalline ZnTe Alloys Synthesized by Melt Quenching Technique	Harinder Singh, Tejbir Singh, Anup Thakur and Jeewan Sharma	AIP Conference Proceedings Vol. 1953A pp 030073-1 030073-4.	2018	978-0-7354-1648-2	
27	Study of Buildup Factor of Gamma Ray Photons in Bismuth- Ground Granulated Blast Furnace Slag Concrete	Sandeep Kumar, Ramanpreet Kaur, **Tejbir Singh**, Sukhpal Singh	AIP Conference Proceedings Vol. 1953A pp 030156-1 030156-4.	2018	978-0-7354-1648-2	
28	Gamma Rays Shielding Parameters for White Metal Alloys	Taranjot Kaur, Jeewan Sharma and **Tejbir Singh**	AIP Conference Proceedings Vol. 1953A pp 140123-1 140123-4.	2018	978-0-7354-1648-2	

29	Optical Parameters of Nanocrystalline Zn40Te60 Thin Films	Harinder Singh, **Tejbir Singh,** Anup Thakur and Jeewan Sharma	Int. Journal of Advance Research in Science and Engineering Vol.7 pp. 214-219	2018	2319-8346	
30	Exposure Buildup Factor Studies for Some Pb-Zn Binary Alloys	Taranjot Kaur, Jeewan Sharma and **Tejbir Singh**	Int. Journal of Advance Research in Science and Engineering Vol.7 pp. 227-233	2018	2319-8346	
31	Experimental Evaluation of Gamma Rays Shielding Parameters for Zn-Cd-Sn-Pb Quaternary Alloy	Taranjot Kaur, Jeewan Sharma and **Tejbir Singh**	Radiation Physics & Chemistry Vol. 156 pp. 193-198	2019	0969-806X	1.98
32	Sm^{3+} and Gd^{3+} Co-doped Lead Phosphate Glasses for γ-Rays Shielding and Sensing	Preet Kaur, Devinder Singh and **Tejbir Singh**	Journal of Luminescence Vol.209 pp.74 - 88.	2019	0022-2313	2.96
33	Review on Scope of Metallic Alloys in Gamma Rays Shield Design	Taranjot Kaur, Jeewan Sharma and Tejbir Singh	Progress in Nuclear Energy Vol. 113 pp. 95-113	2019	0149-1970	1.56
34	Composition Dependence Study of Thermally Evaporated Nanocrystalline ZnTe Thin Films	Harinder Singh, Manmeet Singh, Jagtar Singh, Babankumar S. Bansod, **Tejbir Singh**, Anup Thakur, M.F. Wani, Jeewan Sharma	Journal of Materials Science: Materials in Electronics Vol. 30 pp. 3504-3510	2019	0957-4522	2.195

35	Establishing correlation among optical, electrical and photon interaction parameters for Zn_xTe_{100-x} (x = 5, 20, 30, 40, 50) alloys	Harinder Singh, Jeewan Sharma, **Tejbir Singh**	Materials Research Express Vol. 6 pp. 0660202	2019	2053-1591	1.449
36	Study of physical properties of barium based phosphosilicate glasses	Jagpreet Singh, Tejbir Singh, Gurbinder Kaur, Vishal Kumar	AIP Conference Proceedings Vol. 2115 pp 030269-1 030269-4.	2019	978-0-7354-1851-6	
37	Assigning effective atomic number and electron density for some lanthanide oxides over wide gamma-rays energies	Baljeet Kaur, Nisha Rani, Yogesh K. Vermani, **Tejbir Singh**	AIP Conference Proceedings Vol. 2142 pp 120005-1 120005-4.	2019	978-0-7354-1885-1	
38	Gamma radiation shielding properties of some Bi- Sn-Zn alloys	Nisha Rani, Yogesh K. Vermani, **Tejbir Singh**	Journal of Radiological Protection Vol. 40, pp. 296-310	2020	0952-4746	1.327
39	Experimental measurement of effective atomic numbers and albedo factors for some alloys using backscattering technique	Taranjot Kaur, Jeewan Sharma and **Tejbir Singh**	Applied Radiation and Isotopes Vol. 158, 109065	2020	0969-8043	1.123