

3.4.6: Number of books and chapters/ units in books/ SLMs published of the institution during the last five years(15)

3.4.6.1: Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year wise during the last five year

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the chapter/paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	AS Dhaliwal	Book entitled, "Springer Series on Polymer and Composite Materials–Electrospun Nanofibers: Fabrication, Functionalization and Applications"	"Surface Engineering of Nanofiber Membranes via Electrospinning embedded Nanoparticles for Wastewater Treatment"				2021	978-3-030-79978-6, 978-3-030-79979-3	SLIET Longowal	Springer
2	AS Dhaliwal	Book entitled "Conjugated Polymers for Next Generation of Photovoltaics, Energy Storage and Electronics – Volume 1 in Woodhead Publishing Series in Electronic and Optical Materials 2022,	"Conductive Polymer-based Composite Photocatalysts for Environment and Energy Applications".				2022	22147853	SLIET Longowal	Woodhead Publishing Series
3	SS VERMA	Handbook of Oxidative Stress in Cancer: Therapeutic Aspects	Plasmonic Photothermal Therapy (PPTT) of Cancer				2022	978-981-16-1247-3	SLIET Longowal	Springer
4	S S Ghumman	IAEA Scientific and Technical Report	Structural damage evolution in CaZrTi ₂ O ₇ zirconolite on 30 keV Helium ion irradiation effects in nuclear waste forms.				2017	978-92-0-136922	SLIET Longowal	IAEA TECDOC
5	S S Ghumman	IAEA Scientific and Technical Report	Lattice changes on low energy ion irradiation: 30 keV He + ion				2018	978-92-0-136922	SLIET Longowal	IAEA TECDOC
6	AS Dhaliwal		Cyclic voltammetry synthesis of polyaniline as supercapacitors electrode	Materials Today: Proceedings		National	2022	2214-7853	SLIET Longowal	Elsevier
7	AS Dhaliwal		Synthesis and characterization of Graphene Oxide and its reduction with different reducing agents	IOP Conference Series: Materials Science and Engineering		National	2022	1757-899X and 1757-8981	SLIET Longowal	IOP
8	SS Verma		Structural, electronic, vibrational, thermoelectric and mechanical properties of Li based quaternary Heusler compound LiTiCoSn: A DFT approach	Materials Today: Proceedings		National	2022	22147853	SLIET Longowal	Elsevier
9	AS Dhaliwal		Structural and surface morphological studies of WSe ₂ 2-D material	AIP Conference Proceedings		National	2021	1551-7616	SLIET Longowal	AIP
10	KS Kahlon, AS Dhaliwal		Calculated values of jump factor and jump ratios of lanthanum compounds in K shell and L1, L2 and L3 subshells	AIP Conference Proceedings		National	2021	1551-7616	SLIET Longowal	AIP

11	AS Dhaliwal		Fabrication and characterization of TiO ₂ based dye-sensitized solar cell	AIP Conference Proceedings		National	2021	1551-7616	SLIET Longowal	AIP
12	AS Dhaliwal		Effects of target thickness on the shape of the bremsstrahlung energy spectrum of Pb in the photon energy region of 1–100 keV	AIP Conference Proceedings		National	2021	1551-7616	SLIET Longowal	AIP
13	AS Dhaliwal, KS Kahlon		Investigation of gamma ray and fast neutron shielding ability of some waste glasses for nuclear waste storage facilities	AIP Conference Proceedings		National	2021	1551-7616	SLIET Longowal	AIP
14	AS Dhaliwal		Synthesis and Rietveld refinement study of calcium doped zirconia	AIP Conference Proceedings		National	2021	1551-7616	SLIET Longowal	AIP
15	AS Dhaliwal		Structural studies of zirconia and yttria doped zirconia for analysing its phase stabilization criteria	IOP Conference Series: Materials Science and Engineering		National	2021	1757-899X and 1757-8981	SLIET Longowal	IOP
16	SS Verma, MM Sinha		Theoretical calculation of absorption properties of NiFe@Au core-shell nanoparticles	AIP Conference Proceedings		National	2021	1551-7616	SLIET Longowal	AIP
17	MM Sinha		Phonon dispersion and density of States of Fe ₂ SiO ₄ in spinel phase	AIP Conference Proceedings		National	2021	1551-7616	SLIET Longowal	AIP
18	MM Sinha, SS Verma		Thermoelectric properties of Weyl semi-metal ZrTe	AIP Conference Proceedings		National	2021	1551-7616	SLIET Longowal	AIP
19	MM Sinha		Theoretical investigation of electronic and vibrational properties of topological semimetal LaAuPb	AIP Conference Proceedings		National	2021	1551-7616	SLIET Longowal	AIP
20	MM Sinha		A DFT based computation of structural, elastic and mechanical properties of VCo ₂ Al	AIP Conference Proceedings		National	2021	1551-7616	SLIET Longowal	AIP
21	MM Sinha		Probing thermoelectric properties of high potential Ca ₃ PbO: An Ab Initio Study	IOP Conference Series: Materials Science and Engineering		National	2021	1757-899X and 1757-8981	SLIET Longowal	IOP
22	SS Verma		Plasmonic response of liquid metal nanoparticles with gold coatings	AIP Conference Proceedings		National	2021	1551-7616	SLIET Longowal	AIP

23	KS Mann		Dielectric Properties of Soils of India at Radio and Microwave Frequencies: A Review	SPAST Abstracts		National	2021	1551-7616	SLIET Longowal	IOP
24	Kanika Aggarwal		Synthesis and characterization of palladium nanocomposites prepared by atom beam sputtering technique	AIP conference proceedings		National	2021	1551-7616	SLIET Longowal	AIP
25	SS Verma		Quaternary Heusler compound LiYNiSn: A search of new thermoelectric material by DFT study	AIP Conference Proceedings		National	2021	1551-7616	SLIET Longowal	AIP
26	P Kaur, KS Mann		Moisture-dependent dielectric properties of soils of Faridkot region (Punjab) at 9.08 GHz	AIP Conference Proceedings		National	2021	1551-7616	SLIET Longowal	AIP
27	S S Ghumman		Waste Loading Capability of Zirconolite: A Review	AIP Conference Proceedings		National	2021	1551-7616	SLIET Longowal	AIP
28	S S Ghumman		Magnetolectric multiferroic, Y-Type Hexaferrites : A Review	AIP Conference Proceedings		National	2021	1551-7616	SLIET Longowal	AIP

