

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Year	ISBN/ISSN number of the proceeding	Name of the publisher	Link of the Document
1	Dr. Bhag Chand Chauhan	Physics of Neutrinos: The Elusive Particles Govind Singh, B.C. Chauhan and Debasish Majumdar			2017	978-81-933475-7-7	Physics in New Dimensions, Bharti Publications	<a href="https://www.cuhimachal.ac.in/index.php/SPMS/books_chapters/dept_physics_astro_nomical">https://www.cuhimachal.ac.in/index.php/SPMS/books_chapters/dept_physics_astro_nomical</a>
2	Dr. Dalip Singh Verma		Isospin effects on the decay of $^{118,122,134}\text{Ba}^*$ isotopes Kushmakshi and Dalip Singh Verma	Proceedings of the DAE Symp. on Nucl. Phys. 62 (2017) 652	2017	818372081-1	Prudent Arts and Fab Pvt. Ltd.	<a href="http://www.symppn.org/proceedings/62/B146.pdf">http://www.symppn.org/proceedings/62/B146.pdf</a>
3	Dr. Bhag Chand Chauhan	Physics and Phenomenology of Dark Matter Gazal Sharma, B.C. Chauhan and Debasish Majumdar			2017	978-81-933475-7-7	Physics in New Dimensions, Bharti Publications	<a href="https://www.cuhimachal.ac.in/index.php/SPMS/books_chapters/dept_physics_astro_nomical">https://www.cuhimachal.ac.in/index.php/SPMS/books_chapters/dept_physics_astro_nomical</a>
4	Dr. Dalip Singh Verma		Orientation effects in the fusion of $^{28}\text{Si}+^{28}\text{Si}$ system using SEDF Atul Choudhary and Dalip Singh Verma	Proceedings of the DAE Symp. on Nucl. Phys. 62 (2017) 628.	2017	818372081-1	Prudent Arts and Fab Pvt. Ltd.	<a href="http://www.symppn.org/proceedings/62/B134.pdf">http://www.symppn.org/proceedings/62/B134.pdf</a>
5	Dr. Bhag Chand Chauhan	Manu and Manali ki Aitihasikta: Ek Vaigyanik Avlokana Itihas Diwakar 11(3)			2018	2250-2769	Itihas Diwakar	<a href="https://www.cuhimachal.ac.in/index.php/SPMS/books_chapters/dept_physics_astro_nomical">https://www.cuhimachal.ac.in/index.php/SPMS/books_chapters/dept_physics_astro_nomical</a>
6	Dr. Dalip Singh Verma	Handbook of Materials Characterization, S K Sharma, Dalip Singh Verma, L U Khan, Shalendra Kumar and Sher Bahadar Khan			2018	978-3-319-92954-5, 978-3-319-92955-2 (eBook)	Springer International Publishing	<a href="https://doi.org/10.1007/978-3-319-92955-2">https://doi.org/10.1007/978-3-319-92955-2</a>
7	Dr. Dalip Singh Verma		Alpha-structured fragments and isospin influence Kushmakshi, Anil Khachi, and Dalip Singh Verma	Proceedings of the DAE Symp. on Nucl. Phys. 63, 702(2018).	2018	9.78074E+12	Prudent Arts and Fab Pvt. Ltd.	<a href="http://www.symppn.org/proceedings/63/B161.pdf">http://www.symppn.org/proceedings/63/B161.pdf</a>
8	Dr. Dalip Singh Verma		Orientations for hot compact and cold elongated fusion Himanshu Sharma and Dalip Singh Verma	Proceedings of the DAE Symp. on Nucl. Phys. 63, 494(2018).	2018	9.78074E+12	Prudent Arts and Fab Pvt. Ltd.	<a href="http://www.symppn.org/proceedings/63/B57.pdf">http://www.symppn.org/proceedings/63/B57.pdf</a>
9	Dr. Dalip Singh Verma		Isospin effects on the mass and charge distributions in the decay of $^{118,134}\text{Ba}^*$ compound systems S Rana and Dalip Singh Verma	Proceedings of the DAE Symp. on Nucl. Phys. 63, 452 (2018).	2018	9.78074E+12	Prudent Arts and Fab Pvt. Ltd.	<a href="http://www.symppn.org/proceedings/63/B36.pdf">http://www.symppn.org/proceedings/63/B36.pdf</a>

10	Dr. Jagdish Kumar	Photoelectron Spectroscopy: Fundamental Principles and Applications Jagdish Kumar			2018	978-3-319-92955-2	Springer International Publishing	<a href="http://10.1007/978-3-319-92955-2_12">http://10.1007/978-3-319-92955-2_12</a>
11	Dr. Padmanabh Rai	Raman spectroscopy: A potential characterization tool for carbon materials, Rai P., Dubey S.K.			2018	978-3-319-92955-2	Springer International Publishing	<a href="https://10.1007/978-3-319-92955-2_11">https://10.1007/978-3-319-92955-2_11</a>
12	Dr. Rajesh Kumar Singh	Functionalized nanosize graphene and its derivatives for removal of contaminations and water treatment		A New Generation Material Graphene: Applications in Water Technology	2018	9783319754840; 9783319754833	Springer International Publishing	<a href="https://10.1007/978-3-319-75484-0_6">https://10.1007/978-3-319-75484-0_6</a>
13	Dr. Rajesh Kumar Singh	Graphene/graphene oxide and carbon nanotube based sensors for the determination and removal of bisphenols		A New Generation Material Graphene: Applications in Water Technology	2018	9783319754840; 9783319754833	Springer International Publishing	<a href="https://10.1007/978-3-319-75484-0_14">https://10.1007/978-3-319-75484-0_14</a>
14	Dr. Surender Verma		Probing CP Violation in Neutrino Oscillation Experiments and Leptonic Unitarity Quadrangle	Springer Proceedings in Physics	2018	9.78332E+12	Springer Science and Business Media, LLC	<a href="https://doi.org/10.1007/978-3-319-73171-1_58">https://doi.org/10.1007/978-3-319-73171-1_58</a>
15	Dr. Surender Verma		Search for Sterile Neutrino Signal in the 7Be Solar Neutrino Measurement with KamLAND	Springer Proceedings in Physics	2018	9.78332E+12	Springer Science and Business Media, LLC	<a href="https://doi.org/10.1007/978-3-319-73171-1_12">https://doi.org/10.1007/978-3-319-73171-1_12</a>
16	Dr. Surender Verma		Quark-Lepton Complementarity Model Based Predictions for (formula presented) with Neutrino Mass Hierarchy	Springer Proceedings in Physics	2018	9.78332E+12	Springer Science and Business Media, LLC	<a href="https://doi.org/10.1007/978-3-319-73171-1_57">https://doi.org/10.1007/978-3-319-73171-1_57</a>
17	Dr. Surender Verma		Bounds on Sterile Neutrino Component in the Solar Neutrino Flux	Springer Proceedings in Physics	2018	9.78332E+12	Springer Science and Business Media, LLC	<a href="https://doi.org/10.1007/978-3-319-73171-1_170">https://doi.org/10.1007/978-3-319-73171-1_170</a>
18	Prof. O. S. K. S. Sastri	Department of Physics and Astronomical Sciences	Indigenously developed gamma spectrometer	Proceedings of DAE-Symposium on Nuclear Physics	2018	978-81-959225-1-2	BRNS, DAE, Govt of India	<a href="http://www.sympnp.org/proceedings/63/G19.pdf">http://www.sympnp.org/proceedings/63/G19.pdf</a>
19	Dr. Bhag Chand Chauhan	Archaeological Study of Mamel Shiv Temple Itihas Diwakar 12(1)			2019	2250-2769	Itihas Diwakar	<a href="https://www.cuhimachal.ac.in/index.php/SPMS/books_chapters/dept_physics_astronomical">https://www.cuhimachal.ac.in/index.php/SPMS/books_chapters/dept_physics_astronomical</a>
20	Dr. Dalip Singh Verma		Compactness based suitability of the target-projectile combinations for the synthesis of ( $^{126}_{310}X$ ) <sup>184</sup> Dalip Singh Verma, Shikha Awasthi	Proceedings of the DAE Symp. on Nucl. Phys. 64, 453(2019).	2019	818372083-8	Prudent Arts and Fab Pvt. Ltd.	<a href="http://sympnp.org/proceedings/64/B67.pdf">http://sympnp.org/proceedings/64/B67.pdf</a>

21	Dr. Jagdish Kumar		Tuning of Schottky barriers in borophene/MoS2 van der Waals heterostructure by external electric field	AIP Conference Proceedings	2019	9.78074E+12	AIP Conference Proceedings	<a href="https://10.1063/1.5113201">https://10.1063/1.5113201</a>
22	Prof. O. S. K. S. Sastri		Gated MCA technique for demonstration of coincidence phenomena with a set of indigenously developed gamma spectrometers	International Conference on Recent Issues in Nuclear and Particle Physics	2019	978-81-959225-1-2	BRNS, DAE, Govt of India	<a href="https://indico.cern.ch/event/763807/contributions/3274494/contribution.pdf">https://indico.cern.ch/event/763807/contributions/3274494/contribution.pdf</a>
23	Prof. O. S. K. S. Sastri		Background Gamma Radiation Surveying in the Indian Peninsula with a Portable USB Spectrometer	Proceedings of DAE-Symposium on Nuclear Physics	2019	978-81-959225-1-2	BRNS, DAE, Govt of India	<a href="http://www.sympnp.org/proceedings/64/G37.pdf">http://www.sympnp.org/proceedings/64/G37.pdf</a>
24	Prof. O. S. K. S. Sastri		Compact dual-parameter MCA for $\gamma$ - $\gamma$ Coincidence Measurements	Proceedings of DAE-Symposium on Nuclear Physics	2019	978-81-959225-1-2	BRNS, DAE, Govt of India	<a href="http://www.sympnp.org/proceedings/64/G28.pdf">http://www.sympnp.org/proceedings/64/G28.pdf</a>
25	Prof. O. S. K. S. Sastri		Numerical Simulations of 208Pb Neutron Single Particle States using Fourier Basis Functions in Scilab,	Proceedings of DAE-Symposium on Nuclear Physics	2019	978-81-959225-1-2	BRNS, DAE, Govt of India	<a href="http://www.sympnp.org/proceedings/64/A103.pdf">http://www.sympnp.org/proceedings/64/A103.pdf</a>
26	Dr. Jagdish Kumar		Optical properties of mono and bilayer plumbene: A DFT study Katoch N., Jamdagni P., Ahluwalia P.K., Kumar J.	AIP Conference Proceedings	2020	9.78074E+12	AIP Conference Proceedings	<a href="https://10.1063/5.0017312">https://10.1063/5.0017312</a>
27	Dr. Rajesh Kumar Singh	Microwave-Assisted Modification of Graphene and Its Derivatives: Synthesis, Reduction and Exfoliation Devi N., Kumar R., Singh R.K.			2020	21913005	Carbon Nanostructures, Springer International Publishing	<a href="https://10.1007/978-981-32-9057-0_12">https://10.1007/978-981-32-9057-0_12</a>
28	Dr. Dalip Singh Verma		Fission partition a reflection of the structure of fission fragments; The decay of $^{229}\text{Am}^*$ excited at 43 MeV Dalip Singh Verma and Monika Manhas	Proceedings of the DAE Symp. on Nucl. Phys. 65, 397 (2021).	2021	818372084-6	Prudent Arts and Fab Pvt. Ltd.	<a href="http://sympnp.org/proceedings/65/B104.pdf">http://sympnp.org/proceedings/65/B104.pdf</a>
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30	Dr. Surender Verma		Majorana Unitarity Triangle in Two-Texture Zero Neutrino Mass Model and Associated Phenomenology, Surender Verma, Shankita Bhardwaj, and Monal Kashav		2021	978-981-334-408-2	Springer Proceedings in Physics	<a href="https://doi.org/10.1007/978-981-33-4408-2_144">https://doi.org/10.1007/978-981-33-4408-2_144</a>

31	Dr. Surender Verma		Implications of Non-unitarity on $\theta_{23}$ , Neutrino Mass Hierarchy and CP-Violation Discovery Reach in Neutrino Oscillation Experiments, Surender Verma, Shankita Bhardwaj, and Monal Kashav		2021	978-981-334-408-2	Springer Proceedings in Physics	<a href="https://doi.org/10.1007/978-981-33-4408-2_145">https://doi.org/10.1007/978-981-33-4408-2_145</a>
32	Dr. Surender Verma		CP Phase Analysis Using Quark-Lepton Complementarity Model in 3 + 1 Scenario, Surender Verma, Shankita Bhardwaj, and Monal Kashav		2021	978-981-334-408-2	Springer Proceedings in Physics	<a href="https://doi.org/10.1007/978-981-33-4408-2_160">https://doi.org/10.1007/978-981-33-4408-2_160</a>
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34	Ayan Chatterjee	Formation of Marginally Trapped Surfaces in Gravitational Collapse	Formation of Marginally Trapped Surfaces in Gravitational Collapse	Proceedings of the XXIV DAE-BRNS High Energy Physics Symposium, Jatni, India	2022	10.1007/978-981-19-2354-8_166	Springer	<a href="https://link.springer.com/chapter/10.1007/978-981-19-2354-8_166">https://link.springer.com/chapter/10.1007/978-981-19-2354-8_166</a>
35	Prof. O. S. K. S. Sastri		P & D Inverse Potentials for Proton-Proton Scattering,	Proceedings of DAE-Symposium on Nuclear Physics	2022	978-81-959225-1-2	BRNS, DAE, Govt of India	<a href="http://www.sympnp.org/proceedings/66/B118.pdf">http://www.sympnp.org/proceedings/66/B118.pdf</a>
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39	Prof. O. S. K. S. Sastri		Generalized Liquid Drop Model with Modified Asymmetry Energy Term,	Proceedings of DAE-Symposium on Nuclear Physics	2022	978-81-959225-1-2	BRNS, DAE, Govt of India	<a href="http://www.sympnp.org/proceedings/66/A123.pdf">http://www.sympnp.org/proceedings/66/A123.pdf</a>
40	Prof. O. S. K. S. Sastri		Phase Shift Analysis of $\alpha$ - <sup>12</sup> C Elastic Scattering Using Phase Function Method,	Proceedings of DAE-Symposium on Nuclear Physics	2022	978-81-959225-1-2	BRNS, DAE, Govt of India	<a href="http://www.sympnp.org/proceedings/66/B116.pdf">http://www.sympnp.org/proceedings/66/B116.pdf</a>