

**Bio-data of Dr. Dharamvir Singh**  
**Department of Physics**  
**Chaudhary Devi Lal University, Sirsa**

1. **Name : Dr. Dharamvir Singh**
2. Father Name/Mother Name : Sh. Hukam Singh/Smt. Shakuntla Devi
3. Department : Physics
4. Current Designation and Grade Pay: Assistant Professor, 7000/-
5. Date of Appointment:
  - i) In the Institution: September 14, 2004
  - ii) In the present post: August 22, 2007
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9. Subject expert in the selection committee of Assistant Professor in Physics at JCDM College, Sirsa 2014-15.
10. Subject expert in the selection committee of Assistant Professor in Physics, Janta Girls College Elenabad, Sirsa(Hry.), 2014-15
11. Subject expert in the selection committee of Assistant Professor in Physics, Selection Committee, JCDE, Sirsa, 2007-08.
12. Member PGBOS & DRC, Deptt. of Physics, CDLU, Sirsa since Sept., 2004.
13. Life member, Indian laser Association, RRCAT Indore
14. Life member, Indian Physics Association, BARC, Mumbai
15. Referring of Research Papers of the Optics Communication, Journal of Optoelectronics and Advance Materials, Journal of Surface and Interface Analysis(Willey Pub.) and Spectochemica Acta.

## 17. Research and Academic Contributions

### III. A Research Papers Published in Online/Indexed / Digital/Refereed Journals or Conference Proceeding

Sr. No.	Title with name of author(s) as appearing in the publication	Journal, Volume/ Issue, Year, Page Numbers	Whether indexed / refereed/ Non-refereed or Conference Proceedings	Impact Factor, if Any	ISSN/ISBN/ ASIN No. if any	Whether you are first/Principal/co responding Author or Supervisor/ment or or other author	API Score
1.	Characteristics and quality of grown potassium thiourea iodide crystal for second harmonic generation, <b>D.S. Ahlawat</b> , Krishan Kumar, Rachna Ahlawat and Sandeep Kumar.	J. Material Science: Material in electronics, vol. 26, no. 4, p. 2215-2221(2015)	Indexed Refereed	1.569	ISSN No. 0957-4522	First & Corresponding Author	18
2.	Synthesis and characterization of L-glutamic doped KDP non linear optical crystal. <b>D.S. Ahlawat</b> , S.Rani, A. Maan, I.J. Dhingra and B.Kumar.	J. of Opto Electronics and Advanced Materials, vol. 17, no. 3-4, p. 451-455(2015)	Indexed Refereed	0.56	ISSN No. 1454-4164	First & Corresponding Author	15
3.	Concentration dependent structural behavior of Gd <sub>2</sub> O <sub>2</sub> nanocomposites dispersed in silica matrix, Rachna, Nidhi, Indu Yadav, <b>D.S. Ahlawat</b> and P.Aghamkar.	J. of Opto Electronics and Advanced Materials, vol. 17, no. 5-6, p. 640-645(2015)	Indexed Refereed	0.56	ISSN No. 1454-4164	Other Author	10
4.	Structural properties of CoFe <sub>2</sub> O <sub>4</sub> : SiO <sub>2</sub> nanocomposites prepared by sol-gel method and co-precipitation method: a comparative study, Meenakshi Bansal, Parveen Aghamkar and <b>D.S. Ahlawat</b> .	Int. J. of Sc., Tech. and Mgt., vol. 04, Special issue no. 1, p. 871-877(2015), www.ijstm.com	Indexed Refereed	1.011	ISSN No.(online) 2394-1537	Supervisor	15
5.	Calculations of the Structural, Elastic and Optical Properties of ZnSe at Ambient and High Pressure, P.K. Saini, D. Singh, and <b>D.S. Ahlawat</b>	Chalcogenide letters, Vol. 11, No. 9, Sept., 2014, 405-414	Indexed Refereed	1.184	ISSN No. 1584-8663	Supervisor (for evidence see annexure- A-1)	18
6.	Synthesis and Characterization of Sol-Gel Prepared Silver Nanoparticles, <b>Dharamvir Singh Ahlawat</b> , Rekha Kumari, Rachna and Indu Yadav	International Journal of Nanoscience Vol. 13. No.1. 1450004-1(8 pages) (2014)	Indexed Refereed		ISSN:0219-581X	First	12
7.	Effect of Material Parameters on the Optical Properties of Dye-Sensitized Solar Cell Photoanode, Amrik Singh, Devendra Mohan, <b>Dharamvir Singh Ahlawat</b> and Divya Jyoti,	Materials Science Forum, Vol.771, 115-119 (2014).	Indexed Refereed		ISSN 0255-5476	Supervisor (for evidence see annexure- A-2)	12
8.	A Critical Review on Mesoporous Photoanodes for Dye-Sensitized Solar Cells, Divya Jyoti, Devendra Mohan, Amrik Singh and <b>Dharamvir Singh Ahlawat</b>	Materials Science Forum, Vol.771, 53-69 (2014)	Indexed Refereed		ISSN 0255-5476	Other Author	8
9.	Electronic Band Structure and Elastic Properties of CdSe by DFT, P.K. Saini, D. Singh and <b>D. S. Ahlawat</b>	International Journal of Engineering Research and	Indexed Refereed	1.76	ISSN:2278-0181	Supervisor (for evidence see annexure-B)	18

		Technology, Vol.1, issue 01, p.69-71 (2013).					
10.	Electrical and Semiconducting Properties of ZnTe at Ambient and High Pressure, D.Singh, P.K.Saini and D.S.Ahlawat.	International Journal of Computing Science and Communication Technologies, Vol. 6, P. 904-908(2013)	Indexed Refereed		ISSN: 0974-3375	Supervisor (annexure- A-1)	12
11.	Laser Enhanced Mobility in Wide Band Gap Semiconductor Crystals, <b>Dharamvir Singh Ahlawat</b>	Mod. Phys. Lett B, Vol. 26, No. 29, 1250194 (9 Pages) (2012)	Indexed Refereed	0.479	ISSN:0217-9849	Principal Author	25
12.	Study of Band Gap Energy and Thermal Properties of Pbl <sub>2</sub> by Photoacoustic Spectroscopy, <b>Dharamvir Singh Ahlawat</b>	Mod. Physics Letters B, Vol. 26, No. 16, 1250098(8 Pages)(2012)	Indexed Refereed	0.479	ISSN:0217-9849	Principal Author	25
13.	Optical Fiber Characterization by Optical Time Domain Reflectometer, <b>Dharamvir Singh Ahlawat</b> , Vipin Gupta, Rachna and Mahipal Singh Gill	International Journal of Applied Engineering Research, , Vol. 7, No. 11, 1818-1822 (2012).	Indexed Refereed		ISSN 0973-4562	First Author	12
14.	Band Gap Energy Comparison of Lead Iodide Excited by an Nd:YAG Laser,” <b>D.S. Ahlawat</b> and R.D.Singh	Solid State Communications , Vol. 152, Page 38-40(2012)	Indexed Refereed	1.941	ISSN:0038-1098	First Author	18
15.	Electronic Band Structure Calculations and Semiconducting Properties of ZnS at Ambient and High Pressure , D.Singh, P.Saini and <b>D.S. Ahlawat</b> ,	International Journal of Applied Engineering Research , , Vol. 6, No. 18, 3059-3062(2011)	Indexed		ISSN 0973-4562	Supervisor (for evidence see annexure-B)	12
16.	Time Resolved Spectroscopy in Laser Grade Organic Dyes, <b>D.S. Ahlawat</b> , A.K.Sharma, L.Taneja, Rachna and R.D.Singh	Optics Comm., Vol. 282, issue 21, Page 4256-4258(2009).	Indexed Refereed	1.323	ISSN:0030-4018	First Author	18
17.	Energy Transfer Studies in Stilbene-420(donor) + Coumarin-540(acceptor)Binary Mixture”, A.K.Sharma and <b>D.S.Ahlawat</b>	National Accademy Science Letter, Allahabad, Vol. 32, No. 5& 6, 191-193 (2009)	Indexed Refereed	0.067	ISSN:0250-541X	Other Author	10
18.	Concentration Dependent Energy Transfer Studies in Ternary Dye Mixture of Stilbene-420, Coumarin-540 and Nile Blue, A.K.Sharma, <b>D.S.Ahlawat</b> ,D.Mohan and R.D.Singh	Spectro Chemica Acta- Part-A, Vol. 71, 1631-1633(2009).	Indexed Refereed	1.977	ISSN:1386-1425	Other Author	12
19.	Multiphoton Photoconductivity and Optical Nonlinearities in ZnSe and CdSe Direct Band Gap Crystals, Arun Gaur, D.K.Sharma, <b>D.S.Ahlawat</b> and Nageshwar Singh	J. Opt. A: Pure and Applied Opt., Vol. 9, 1-5(2007).	Indexed Refereed	1.742	ISSN: 1464-4258	Other Author	12
20.	Optical Nonlinearities in Direct and Indirect Band Gap Crystals on Z-Scan Technique with Nanosecond Laser, Arun Gaur, D.K.Sharma, <b>D.S.Ahlawat</b> and Nageshwar Singh	Solid State Communications, Vol. 141, Issue 8, 445-448(2007)	Indexed Refereed	1.941	ISSN:0038-1098	Other Author	12
21.	Study of Thermal Transport Parameters in Pbl <sub>2</sub> Single Crystal Using A Photoacoustic Technique, <b>D.S.Ahlawat</b> , D.Mohan, S.K.Goshal, R.D.Singh and	Modern Physics Letters B, Vol. 20, No. 20, 1253-1260(2006).	Indexed Refereed	0.479	ISSN:0217-9849	First Author	15

	Meenakshi Sharma						
22.	Novel Fabrication of CA Membrane Bound Carbon Electrode for Biezymatic Determination of Lectate, Vikash, Harish and <b>D.S.Ahlawat</b>	Sensors & Transducers Journal, , Vol. 73(11),pp. 804-809(2006).	Indexed Referred	0.705	ISSN 1726-5479	Other Author	10
23.	“Study of Laser Induced Photoconductivity, Optical Gain and Photoacoustics”, <b>Dharamvir Singh Ahlawat</b>	International Archives of Science and Technology, Vol. 3(1), 1-6(2003)	Indexed Referred	1.5	ISSN No. 2347-8853	Principal Author	25
24.	Two-Photon Photoconductivity of ZnS using XeCl Laser, R.D.Singh, <b>D.S.Ahlawat</b> and Arun Gaur	Modern Physics Letters B, Vol. 17, No. 24, 1265-1270(2003).	Indexed Referred	0.479	ISSN:0217-9849	Corresponding Author	15
25.	Study of Substituents in Coumarin-450 by Nitrogen Laser, A.K.Sharma, <b>D.S.Ahlawat</b> and R.D.Singh	Bulletin of Pure and Applied Sciences, (An International Research Journal of Sciences), Sec.-D Physics,Vol. 22D(No. 1) p.45-49(2003).	Indexed Referred		ISSN-0970-6569	Other Author	8
26.	Photobleaching of Nile Blue Dye by Photoacoustic , <b>D.S.Ahlawat</b> , A.K.Sharma, D.Mohan and R.D.Singh	Bulletin of Pure and Applied Sciences, (An International Research Journal of Sciences), Sec.-D Physics, Vol. 22 D (No.2) p. 137-140(2003).	Indexed Referred		ISSN-0970-6569	First Author	12
27.	Pulsed Laser Induced Multiphoton Photoconductivity in an Indirect Band Gap Crystal: PbI <sub>2</sub> , <b>D.S.Ahlawat</b> , Arun Gaur, Nageshwar Singh and R.D.Singh	Physica Status Solidi(b), Vol. 219, p. 421-424(2000).	Indexed Referred	1.316	ISSN: 1521-3951	First Author	18
28.	A Report on Laser Laboratory Physics Depatment, M.D.U, Rohtak, <b>D.S.Ahlawat</b> , A.K. Sharma and R.D. Singh	Laser News, Vol. 8, No. 2, p. 9-12, April (1997).				First Author	4.5
29.	Effect of Annealing Temperature on Structural Properties of CoFe <sub>2</sub> O <sub>4</sub> :SiO <sub>2</sub> Nanocomposites , Meenakshi Bansal, Parveen Aghamkar and <b>Dharamvir Singh Ahlawat</b> .	Full paper of proceeding in the national conference TEQIP-II sponsored on latest development in materials, manufacturing and quality control, 19-20 Feb., 2015, Giani Zail Singh IKG Punjab Technical University Campus, Bathinda, p. 1-4(2015)	ISBN 970-93-5196-0553,			Supervisor	6

30.	A Review on the Different Film Deposition Techniques and their Effect on the Performance of Dye Sensitized Solar Cells, Amrik Singh, Devendra Mohan and <b>Dharamvir Singh Ahlawat</b>	Full Paper of Conference Proceedings p. 78-82(27-28 Dec., 2013)	Echelon Institute of Technology, Faridabad (Haryana)		ISBN:978-93-82880-96-7	Supervisor (for evidence see annexure- A)	6
31.	Study of Attenuation in Plastic Optical Fibers, <b>Dharamvir Singh Ahlawat</b>	Full Paper of Conference Proceedings, p. 28-32(April 13-14,2012),	Departments of Chemistry and Physics, Punjab Technical University, Giani Zail Singh Campus, Bathinda (Punjab)		ISBN: 978-93-81583-40-1	First Author	10
32.	Advancement in Communication System By Nano Technology, <b>Dharamvir Singh Ahlawat</b>	Full Paper of Conference Proceedings, Vol.-II, p. 467-469, Feb. 25-26, 2012	OM Institute of Tech. and Management, Hisar (Haryana)		ISBN: 978-81-923446-0-7	First Author	10
33.	Adboot Carbon Aproop :Fullerenes, <b>Dharamvir Singh Ahlawat</b> , Rachna and Sunil Kumari	Full Paper of Conference Proceedings, p. 267-269, (Feb. 12-13, 2009)	DRDO, Matcalfe House, Delhi-110054		ISBN: 978-81-86514-27-6	First Author	6
34.	Optical Non Linear Absorption and Refraction in Direct and Indirect Band Gap Crystals on the Z-Scan Techniques, D.K. Sharma, <b>D. S. Ahlawat</b> , Nageshwar Singh and Arun Gaur	Full Paper of Conference Proceedings, p. 124(March 21-23, 2006)	Deptt.of Physics & Astro Physics, University of Delhi, N. Delhi		without ISBN No. published before 2009	Co-Author	4
35.	Absorption and Flourosense of CsI(Tl) and CsI(Tl & In) Crystals, D.K. Sharma, <b>D. S. Ahlawat</b> , Nageshwar Singh and H.S. Vohra	Full Paper of Conference Proceedings, p.185-186(Dec. 7-10, 2005)	Vellore Institute of Technology (Deemed University), Vellore, Tamilnadu		without ISBN No. published before 2009	Co-Author	4
36.	Opto-Electronic Studies on Pbl <sub>2</sub> Embedded in Sol-Gel Hosts, Meenakshi Sharma, Devendra Mohan, R.D.Singh and <b>D. S. Ahlawat</b> ,	Full Paper of Conference Proceedings, p.304-305 (Dec. 7-10, 2005)	Vellore Institute of Technology (Deemed University), Vellore, Tamilnadu		without ISBN No. published before 2009	Co-Author	4
37.	Study of Electronic Properties of Binary Semiconductor CdSe by GGA, P.K. Saini, D.Singh and <b>D.S. Ahlawat</b> .	Full Paper of Conference Proceeding pp. 480-482 (March 3-4, 2013)	Prannath Parnami Institute of Management and Technology, Rajgarh Road, Hisar(Hry.)		Without ISBN No.	Supervisor (Annexure- )	6
38.	Effect of Heat Treatment on the Structural and Optical Properties of Nickel Zinc Ferrite, Richa, Anand K. Tyagi, <b>Dharamvir Singh Ahlawat</b> and Amrik Singh	Full Paper of Conference Proceeding pp. 118-119 (30-31 Oct., 2014)	International Conference Proceeding of FMRA-2014 Shaheed Bhagat Singh State Technical Campus, Moga Road, Ferozepur(Pb.)		ISBN No. 978-93-83842-92-6	Supervisor (Annexure- )	6

39.	Influence of Different Parameters of Ions Beam Parameters on its Range and Energy [Losses, Amrik Singh, <b>Dharamvir Singh Ahlawat</b> , Devendra Mohan and Anand K. Tyagi.	Full Paper of Conference Proceeding pp. 158-159 (30-31 Oct., 2014)	International Conference Proceeding of FMRA-2014 , Shaheed Bhagat Singh State Technical Campus, Moga Road, Ferozepur(Pb.)		ISBN No. 978-93-83842-92-6	Supervisor (Annexure- )	6
40.	Swift Heavy Ions irradiated ZnO and TiO <sub>2</sub> Films: A Review, Amrik Singh, <b>Dharamvir Singh Ahlawat</b> , Devendra Mohan and Richa.	Full Paper of Conference Proceeding pp. 160-163 (30-31 Oct., 2014),	International Conference Proceeding of FMRA-2014 Shaheed Bhagat Singh State Technical Campus, Moga Road, Ferozepur(Pb.)		ISBN No. 978-93-83842-92-6	Supervisor (Annexure- )	6
41.	Structural Characterization of Cu doped ZnS Nanomaterial Synthesized by Co-precipitation Method, Indu Yadav and <b>Dharamvir Singh Ahlawat</b> .	Full Paper of Conference Proceeding pp. 169-171 (30-31 Oct., 2014),	International Conference Proceeding of FMRA-2014 Shaheed Bhagat Singh State Technical Campus, Moga Road, Ferozepur(Pb.)		ISBN No. 978-93-83842-92-6	Supervisor (Annexure- )	6

### III B (i) : Research Publication (Books Published)

S.No.	Whether Text/reference/E-Book published by International publishers/Subject books by National publishers or State and Central Govt. Publications with ISSN/ISBN/ASIN/Subjects Books by other local publishers with/without ISSN/ISBN/ASIN	Title with name of authors as appearing in the publication	Book Title Editor, Publisher, year, page Numbers	ISSN/ ASIN if any	Total No. of authors	API Score
1.	Subject Book by National Publishers	Dr. Dharamvir Singh Ahlawat	Basic Concepts of Laser Physics, Mittal Publications, New Delhi(India), 120 pages	ISBN 81-8324-510-2	one	25
2.	Subject Book by National Publishers	Dr. Dharamvir Singh Ahlawat	Basics of Nanomaterial Research, DBH Publisher, New Delhi(in Press).	ISBN: 978-81-92:7056-3-7	one	25

### III D: Research Guidance

S. No.	Course Name	No. of Students	Registered for Ph.D.	Thesis/Dissertation Submitted	Degree Awarded	API Score
(i)	PG Courses (Dissertation more than one semester/full semester)	---				
(ii)	M.Phil in Physics	32 (Guided)			Awarded See Annexure-K	96
(iii)	Ph.D. Thesis Submitted	1		One; See Annexure M		7
(iv)	Ph.D. Students Registered	7				21

### III E (i): Refresher Course, Methodology Workshops, Training, Teaching Learning Evaluation Technology Programmes, Soft Skills development Programs, Faculty Development Programmes etc.

S. No.	Programme	Duration	Organized by	API Score
1.	Refresher Course in Physics	01.05.2013 to 21.05.2013	UGC-Academic Staff College, G.J.U.S. & T., Hisar	20
2.	Refresher Course in Physics	29.11.2010 to 18.12.2010	UGC-Academic Staff College, G.J.U.S. & T., Hisar	20
3.	Orientation Programme for Faculty Development	05.08.2008 to 02.09.2008	UGC-Academic Staff College, Jamia Millia Islamia, New Delhi	20
Total Score Max. : 30 points				30

### III E (ii) Participation and Paper(s) presented in Conferences/Seminars/Workshops/Symposia etc.

Sr. No.	Title of paper presented	Presented by	Title of Conference/Seminar etc. and organizer	Date(s) if the event	Whether International / National/ State/Regional/ University or College Level	Whether published in the proceedings	API Score
1.	Laser Line Width Broadening By Hole Burning Effects in Laser Materials.	Dharamvir Singh Ahlawat	National Conference on Emerging Trends in Physics & Material Science(ETPMS-2015), Deptt. of Physics, Chaudhary Devi Lal University, Sirsa(Hry.),	March 9-10, 2015	National	No	7.5
2.	Electron Mobility Based High Sensitivity of Lead Iodide Crystal	Dharamvir Singh Ahlawat	National Conference on Applied Physics and Material Science, Deptt. of Physics, M.D.University, Rohtak(Hry.)	Feb. 5-6, 2015	National	No	7.5
3.	Growth and Characterization of KDP Crystals	D.S.Ahla wat	International Conference on Frontiers in Material Research & Applications, (FMRA-2014) , Shaheed Bhagat Singh State Technical Campus, Moga Road, Ferozepur(Pb.)	Oct. 30-31, 2014	International	Yes	10

4.	Study of Non-Linear Optical Crystal: L-Glutamic Doped KDP	Dharamvir Singh Ahlawat	National Conference on Recent Developments in Physics S.D. (P.G.) College, Panipat	March 29-30, 2014.	National	No	7.5
5.	Study of Strange Properties of Lead Iodide Crystals	D.S. Ahlawat	National Conference on Photonics & Materials Science (NCPMS-2014) Deptt. of Applied Physics, GJUS&T, Hisar	March 20-21, 2014	National	No	7.5
6.	Optical Fiber Loss Comparison Studies at Four Different Laser Frequencies	D.S. Ahlawat	Instruments Research & Development International Conference on Optics & Optoelectronics (xxxviii Symposium of Optical Society of India, IRDE, Dehradun	March 5-8, 2014.	International	Yes	10
7.	Study of Crystal Defects and Impurities in Potassium Thiourea Iodide	D.S. Ahlawat	National Symposium on Electroceramics- Materials and Devices (NSE-MD-2014), Deptt. of Physics, GVM PG Girls College, Sonipat	Feb. 21-22, 2014	National	No	7.5
8.	Structural and Morphological Study of Grown KDP Crystal	D.S. Ahlawat	National Symposium on Emerging Trends in Physics for Ionizing Radiations, Aerosols and Material Science (ETPRAM-13) Department of Physics, Punjabi University, Patiala	Dec. 13-14, 2013	National	No	7.5
9.	Photobleaching Study of Rhodamine-B Doped Polymer Samples	D.S. Ahlawat	National Conference on Trend and Applications in Laser Technology and Opto Electronics (TALTO-1), Amity Institute of Laser Technology & Opto Electronics (AILTO), Amity University, Manesar (Gurgaon)	April 4, 2013	National	Yes	7.5
10.	Study of Spectral Properties of Some Coumarin Dyes	D.S. Ahlawat	National Conference on Physics of Engineering Materials, Deenbandhu Chhotu Ram University of Science & Technology, Murthal, Sonapat, (Haryana)	March 15-17, 2013	National	No	7.5
11.	Characterization of Magnetic Material : Fe <sub>3</sub> O <sub>4</sub>	D.S. Ahlawat	Conference on Advanced Materials & Devices, Deptt. of Physics, Hindu P.G. College, Sonapat (Hry.) and MRSI Delhi Chapter	Feb 27-28, 2013.	National	No	7.5
12.	Fiber Optics Reflection Measurement	D.S. Ahlawat	International Conference on Recent Trends in Applied Physics & Material Science, Govt. College of Engineering & Technology, Bikaner (Raj.)	Feb. 01-02, 2013.	International	No	10
13.	Lasers in Environmental Research	D.S. Ahlawat	International Conference on Emerging Trends in Physics for Environmental Monitoring and Management (ETPEMM-12), Department of Physics, Punjabi University, Patiala (Punjab)	Dec. 17-19, 2012.	International	No	10
14.	Study of Sol-Gel Prepared Silver Nano-Particals	D.S. Ahlawat	National Symposium on Nanotechnology: Interdisciplinary Aspects, YMCA University of Science & Technology, Faridabad (Haryana)	Dec. 12, 2012.	National	No	7.5
15.	Optical Fiber Characterization by Optical Time Domain Reflectometer	D.S. Ahlawat	3 <sup>rd</sup> International Conference on Emerging Trends in Engineering and Technology, Geeta Institute of Management and Technology (GIMT), Kanipla, Kurukshetra (Haryana)	Nov. 9-11, 2012	International	No	10
16.	Transfer Mechanisms in	D.S.	National Conference on Functional Materials, Deptt. of Physics,	Sept. 24-			



	a Mixture of Fullerene C <sub>60</sub> and Coumarin C-440	Ahlawat	GVM Girls PG College, Sonapat (Haryana) & MRSI, Delhi Chapter	25,2012	National	No	7.5
17.	Thermal Properties of Solid State Laser Systems	D.S. Ahlawat	National Conference on Recent Trends in Design, Manufacturing & Thermal Science, Department of Mechanical Engineering, SRM University, NCR Campus, Ghaziabad(UP)	March 22-23, 2012	National	No	7.5
18.	Study of Lead Iodide by Photoacoustic Technique	D.S. Ahlawat	National Conference on Material Science Applications in Energy & Environment(UGC, DST and DBT Sponsored) , Post Graduate Department of Chemistry and Physics, D.A.V College Jalandhar (Punjab)	March 02-03, 2012	National	No	7.5
19.	Optical Fibre Based Communication Network	D.S. Ahlawat	International Conference on Recent Trends in Computing , Mechatronics and Communication, OM Institute of Technology and Management, Juglan, Hisar(Haryana),India	Feb. 25-26, 2012	International	Yes	10
20.	Study of Photo Detector in the Communication Network	D.S. Ahlawat	International Conference on Advancements in Computing and Communication, Deptt. of Computer Science & Engineering/Information Technology, Baba Banda Bahadur Engineering College, Fatehgarh Sahib, Punjab(India)	Feb. 23-25,2012	International	Yes	10
21.	Laser Induced Ultrafast Processes in Nanostructured Materials	D.S. Ahlawat	National Conference on Modern Development in Engineering & Sciences, Ambala College of Engineering & Applied Research, Devsathli, Ambala	Feb. 27-28, 2009	National	Yes	7.5
22.	Photophysical Properties of Laser Grade Coumarins	D.S. Ahlawat	National Conference on Photonics & Material Science, Department of Applied Physics, Guru Jambheshwar University of Science & Technology, Hisar(Haryana)	Oct. 24-25, 2008	National	No	7.5
23.	Science and Humanities	D.S. Ahlawat	Seminar on Science and Humanities, Govt. College, Baund Kalan, Bhiwani	March 21, 2006	State Level	No	5
24.	Non-Linear Photoconductivity of ZnS using XeCl Laser	D.S. Ahlawat	DAE-BRNS National Laser Symposium, University of Kerala, Trivendrum, Kerla.	Nov. 14-16,2002	National	Yes	7.5
25.	Involvement of Frank Condon Principle in Multiphoton Transition s of PbI <sub>2</sub>	D.S. Ahlawat	National Symposium on Frontiers in Condensed Matter Physics, Department of Applied Physics G.J.U.S&T, Hisar, (Haryana)	March 22-23,2002	National	Yes	7.5

### III E (iii) Invited for Conference/ Seminars/ Workshops/Symposia to delivered Lectures/ Chair Sessions

Sr. No.	Whether lecture delivered/Academic session chaired	Title of the Lecture delivered	Title of the conference /Seminar etc.	Date(s) of the event	Organizer	Whether International / National/ State/ Regional/ University or College Level	API Score
1.	Academic Session Chaired		International Conference on Frontiers in Material Research & Applications, (FMRA-2014) , Shaheed Bhagat Singh State Technical Campus,	Oct. 30-31, 2014	Shaheed Bhagat Singh State Technical Campus, Moga Road, Ferozepur(Pb.)	International	10

			Moga Road, Ferozepur(Pb.)				
2.	Invited Talk	Growth and Characterization of KDP Crystals	International Conference on Frontiers in Material Research & Applications, (FMRA-2014), Shaheed Bhagat Singh State Technical Campus, Moga Road, Ferozepur(Pb.)	Oct. 30-31, 2014	Shaheed Bhagat Singh State Technical Campus, Moga Road, Ferozepur(Pb.)	International	10
3.	Academic Session Chaired		National Conference on Modern Development in Engineering & Sciences, Ambala College of Engineering & Applied Research, Devsathli, Ambala	Feb. 27-28, 2009	Ambala College of Engineering & Applied Research, Devsathli, Ambala	National	5
4.	Invited Lecture Delivered	Laser Induced Multiphoton Photoconductivity in Semiconductors	National Symposium on Frontiers in Condensed Matter Physics, G.J.U, Hisar, Haryana	March 22-23, 2002	Dept. of Applied Physics, G.J.U.S.&T., Hisar	National	5
5.	Invited Talks	Study of Laser Induced Photoconductivity, Optical Gain and Photoacoustic	DAE-BRNS National Laser Symposium, University of Kerala, Trivendram	Nov. 14-16, 2002	University of Kerala, Trivendram	National	5

**III E (iv) &(v): Academic through organizing conferences/ seminars/workshops/symposia/orientation/refresher courses etc.**

S.No.	Converner/Secretary/Member of Organising Committee etc.	Date/Duration of Event	Whether International/ National/State/Regional/University or College level	API Score
1.	Organizing Secretary, National Conference on Emerging Trends in Physics & Material Science (ETPMS-2015), Deptt. of Physics CDLU, Sirsa	9-10 March, 2015	National	3

**Please give detail of any other credential/significant achievement not mentioned earlier (Annexure-G)**

I got the golden chance to develop a new Post Graduate Department of Physics at Chaudhary Devi Lal University, Sirsa as an Incharge /HOD Physics.(see Annexure G-1) As I have worked very-very hard over here since 14<sup>th</sup> September, 2004 and the Department was successfully runned single handed by me from 14<sup>th</sup> September, 2004 to 10<sup>th</sup> October, 2007. The Department was developed very well by producing 100% best results in M.Sc Physics and M.Phil Physics courses and M.Sc Laboratories were Completely developed during the above said period. Furthermore, syllabi of the subjects for M.Phil Physics course and its Examination scheme were designed and prepared by me under the able guidance of Prof. R.K.Singh, the then Chairperson for the session 2006-2007. In addition to that around fifteen M.Phil Dissertations and more than fifteen M.Sc (Physics) Projects were supervised by me during the above said period for three years. In the mean time, ten days intensive PCP lectures for M.Phil Physics (Distance mode) were also conducted as a course Coordinator and particularly two courses, Research Methodology and Condensed Matter Physics were taught by me to 190 students under two sections during the session 2006-2007. Now from 2007 onwards upto till date I fully involved with dedication for the further development of the Department with other Regular / Temporary Faculties. (See Annexure G-2).

Won the award of best paper presentation in the symposium on Nanotechnology: Interdisciplinary Aspect (SON:IA) held on 12/12/2012 at YMCA University of Science and Technology, Faridabad(Hry.) on the paper entitled” Study of Sol-Gel prepared Silver Nano-particles.

**Total API Score Earned = 862.5**