Chaudhary Devi Lal University, Sirsa



BIO-DATA



Dr. Ram Mehar Singh Assistant Professor Department of Physics CDLU, SIRSA

CHAUDHARY DEVI LAL UNIVERSITY, SIRSA



Bio-Data

1. Name (in Block Letters) : DR. RAM MEHAR SINGH

2. Father's Name : SH. ZILE SINGH

3. Mother's Name : SMT. SHANTI DEVI

4. **Date of Birth** : 06-07-1973

5. **Department** : PHYSICS, CDLU SIRSA

6. Current Designation & Grade Pay : Associate Professor & Rs. 9,000/-(GP)

7. **Date of appointment** : In the institution: 22.08.2007

In the present post: 22.08.2019

8. Address for correspondence : H. No. D-27, UNIVERSITY CAMPUS,

CH. DEVI LAL UNIVERSITY, SIRSA

HARYANA-125 055

9. **i) Mobile No** : 094162 73644

ii) Email : dixit rammehar@yahoo.co.in, dixitrammehar@cdlu.ac.in

8. Qualifications:

- (i) 10th with first divison from Board of School Education Haryana in 1990
- (ii) 10+2 with first divison from Board of School Education Haryana in 1992
- (iii) B.Sc. (Electronics) with first divison from Kurukshetra University Kurukshetra in 1995.
- (v) M.Sc. (Physics with specialization in Electronics) with first divison from Kurukshetra University Kurukshetra in 1998.
- (v) M.Sc. (Computer Science) with first divison from Ch. Devi Lal University, Sirsa in 2013.
- (vi) Ph.D. from Department of Physics Kurukshetra University Kurukshetra in 2010.
- (vii) GATE with 86.06 percentile conducted by IIT Kanpur in 2002.
- (viii) NET qualified conducted by UGC-CSIR New delhi in 2004.

9. Membership of Professional Bodies Editorship of Journals etc. :

- (i) Life member of The Indian Society for Technical Education. M.No- LM-4909.
- (ii) Sessional membership, The Indian Science Congress (2014-15)
- (iii) Referring of Research Papers of Journal:
 - (a) Computer and Mathematics With Applications
 - (b) Results in Physics

10. Past Job Experience:

- (i) Worked as a lecturer in physics in Haryana College of Technology & Management, Kaithal, from Dec- 03, 1998 to Aug -21,2007
- (ii) Worked as a lecturer in physics in R.K.S.D college Kaithal from Aug -01, 1998 to Feb-28, 1999

11. Research Papers Published in Online/Indexed/Digital/Refereed Journals or Conference Proceedings, etc.

Sr. No.	Title with name of authors as appearing in the publication The solutions of the Schrödinger equation for complex Hamiltonian system in two dimensions, Fakir Chand, Ram Mehar Singh, Narender Kumar and S.C. Mishra.	Journal, Volume, Year, Page Numbers Journal of Physics A:Mathematical and Theoretical, IOP Publishing, 40(2007) 10171-10182	Whether refereed/Non- refereed or Conference Proceedings Indexed & refereed	Impact factor, if any	ISSN/ ISBN No.,if any ISSN 1751- 8113 (Print) 1751- 8121 (online)	Whether you are first author / supervisor /corresponding author / Or other author
	Solutions of the Schrödinger equation for two dimensional complex quartic potential, Ram Mehar Singh, Fakir Chand and S.C. Mishra. The solutions of the Schrödinger equation for a coupled quadratic and quartic potential in two dimensions, Ram	Communicati on in Theor. Phys. IOP Publishing, 51(2009) 397-406 Pramana Journal of Physics 72(2009) 647-654	Indexed & refereed Indexed & refereed	0.948	ISSN 0253-6102 ISSN 0304-4289 (Print) 0973-7116	First Author First Author
4.	Mehar Singh, Fakir Chand and S.C. Mishra. Solutions of an analogous Schrödinger equation for PT-Symmetric sextic potential in two dimensions, Fakir Chand, S.C. Mishra and Ram Mehar Singh,.	Pramana journal of Physics 73(2009) 349-361	Indexed & refereed	1.688	(online) ISSN 0304- 4289 (Print) 0973- 7116 (online)	Other Author

	Exact solutions of the Schrodinger equation for an anharmonic potential in two dimensions, Ram Mehar Singh.	mathematic and	Indexed & refereed	1.349	ISSN 0096-3003	Principal Author
6.	Real eigenvalue of a	Applied mathematics, V.3 Issue. 1 (2012)1117-23	Indexed & refereed	0.19	ISSN 2152- 7393	Principal Author
7.	Quantum mechanics of complex octic potential in one dimension, Ram Mehar Singh		Indexed & refereed	0.23	ISSN 2162- 576X	Principal Author
	Closed form solutions of the Schrodinger equation for a coupled harmonic potential in three dimensions, Ram Mehar Singh , S.B. Bhardaj, S.C. Mishra	Computer and mathematic	Indexed & refereed	2.069	ISSN 0898-1221	First author &Supervisor
	Compositional study of Indian five rupee coin by EDXRF technique, Rajive Kumar, Anita Rani, Ram Mehar Singh	review of	Indexed & refereed	0.0	ISSN 2248- 9967	Supervisor
	Indian rupee coin by using EDXRF technique, Rajive	Journal of integrated science and technology, V.2 Issue. 1 (2014)1-4	Indexed & refereed	0.0	ISSN 2321- 4635	Supervisor
	Schrödinger equation for a complex deictic potential in one	Pramana journal of Physics V. 83 No.3 (2014)301-316	Indexed & refereed	1.688	ISSN 0304- 4289	Principal Author
	Eigenspectra of a complex coupled harmonic potential in three dimensions, S.B. Bhardaj,Ram Mehar Singh, and S.C. Mishra	and mathematic with	Indexed & refereed	2.069	ISSN 0898- 1221	Supervisor
	coupled harmonic oscillator in exteneded	Discontinuity, Nonlinearity and Complexity 4(1)(2015)35-48	Indexed & refereed		ISSN 2164- 6376	Principal Author
	Analysis of longitudinal momentum distribution data of core fragment coming from ⁹ Be(¹¹ Be, ¹⁰ Be+n) ⁹ Be stripping reaction Monika Singh, Rajesh Kharab and Ram Mehar Singh	Modern Physics Letters A, V.30No.8(2015) 1550021	Indexed & refereed	1.198	ISSN:0217- 7323	Supervisor

	L			T	I= .
Correction to Eikonal Approximation in the Analysis of ${}^{9}\text{Be}({}^{15}\text{C},{}^{14}\text{C}+n){}^{9}\text{Be}$ Stripping Reaction M. Singh, R.Kharab, and R. M. Singh	Physics of Atomic Nuclei 78 (2015), 720- 724	Indexed & refereed	0.457	(Print) 1063- 7788 EISSN 1562- 692X	Supervisor
16.On solving the Schrödinger equation for a three-dimensional noncentral potential, S.B. Bhardaj, Ram Mehar Singh, S.C. Mishra and Kushal Sharma	Advanced Physics 4(2015)215- 218	Indexed & refereed		ISSN (Print) 2168- 1996 EISSN 2168- 2003	Supervisor
wave solutions of cubic-quintic nonlinear reaction-diffusion equation with variable convection coefficients S B Bhardwaj, Ram Mehar Singh, Kushal Sharma and S C Mishra		Indexed & refereed	1.688	ISSN (Print) 0304-4289 EISSN 0973-7111	•
18. Measurement of L-XRF cross-sections and Coster—Kronigenhancement factors for62Sm at excitation energies 6.8, 7.4 and 8 KeVR. Kumara, A. Rani, R.M. Singh , M.K. Tiwari, A.K. Singh	, ,	Indexed & refereed	1.561	ISSN 0368- 2048	
19. Exact Solutions of 3- Dimensional Schrödinger Equation with a Coupled Quartic Potential S. B. Bhardwaj and Ram Mehar Singh	46	Indexed & refereed		(Print) 2168- 1996 EISSN 2168- 2003	Supervisor
20. Quantum mechanics of PT and non-PT - symmetric potentials in three dimensions S. B. Bhardwaj, Ram Mehar Singh and S C Mishra	Pramana journal of Physics (2016) 87 :10	Indexed & refereed	1.688	ISSN (Print) 0304-4289 EISSN 0973-7111	Supervisor

21. L X-ray Production Cross- Section Measurement of 58Ce at Energy 8 KeV by Synchrotron Radiation Rajive Kumar, Anita Rani, Ram Mehar Singh, M.K.Tiwari, A. K. Singh, Sonu Malik 22. Complex dynamical	Journal of Appl. Sci. Lett.2(3) 2016, 97 -100	Indexed & refereed Indexed &	0.514	ISSN (Print) 2394-479X EISSN 2394-501	
invariant for a P T - symmetric Hamiltonian system in higher dimensions S.B. Bhardwaj, Ram Mehar Singh Kushal Sharma	Journal of Physics 55 (2017) 533– 545	refereed	0.011	0577-9073 EISSN 0973-7111	Saper visor
23. Complex integrals for 3-dimensional non-hermitian Hamiltonian systems S.B. Bhardwaj , Ram Mehar Singh , Kushal Sharma , Richa Rani , Fakir Chand		Indexed & refereed	0.514	ISSN (Print) 0577-9073 EISSN 0973-7111	
ray fluorescence cross-sections for 74W at excitation energies 12, 14, 15 and 16.5 keV with synchrotron radiation R. Kumar, A. Rani, R.M. Singh, M.K. Tiwari, A.K. Singh	Journal of Radiation Physics and Chemistry 131 (2017) 79–85	Indexed & refereed	1.315	806X	Supervisor
25. Structural and Optical Characterization of ZnO-TiO2-SiO2 Nanocomposites Synthesized by Sol-Gel Technique Dharm Veer, Ram Mehar Singh, Harish Kumar	2393	Indexed & refereed		07077	Supervisor
26. Synthesis and Characterization of Pure CoO and Nidoped CoO-NiO-SiO2 Nanocomposites Using Sol-Gel Technique Harish Kumar Dharm Veer, Ram Mehar Singh,	2018, 7(1), 95-	Indexed & refereed		ISSN:2278- 3458	Supervisor

27. Effect of Dopal Concentration of Structural, Optiand Magnetic Properties of Z xNixO Nanocomposite DHARM VEE RAM MEHAL SINGH and HAKUMAR	on Science Transactions 2018, 7(3) , 464- 476 ss R, R	Indexed & refereed Indexed & refereed		ISSN:2278- 3458 ISSN 2164-	Supervisor Supervisor
Dependent Cot Harmonic Osci Higher Dimensions Ram Mehar S B Bhardwaj2† Sharma3, Rich Fakir Chand2	nonlinearity and llator in complexity 7(1)(2018)81-94 ingh1, S Kushal a Rani2,	refereed		6376	
fluorescen cross-secti measurem for elemen La and Ce a synchrotro radiation energies 7 and 10 keV Kumar, A. Rai Singh, M.K. Ti	ons (2019) 283–291 ents ts Ba, at on . 8, 9 7 R. ni, R.M.	Indexed & refereed	1.315	ISSN 0969- 806X	Supervisor
30. Effect of the m field on the end spectra of a qua dot System. R Rani, V Kum Bhardwaj, R M and F Chand	https://doi.org/1 0.1007/s12648- 019-01621-5 aar, S B I Singh	Indexed & refereed		ISSN Electronic 0974-9845 Print 0973-1458	Other author
31. Classical invarinon- hermitiananhar potentials in or dimension. Rai Mehar Singh, Bhardwaj, Kus Sharma, Ananc Fakir Chand	e m S.B. hal	Indexed & refereed	1.016	ISSN (print): 0008 -4204 (electronic): 1208-6045	First author

32.	Construction of new traveling and solitary wave solutions of a nonlinear PDE characterizing the nonlinear low-pass electrical transmission lines. Hitender Kumar, Anand Kumar, Fakir Chand, Ram Mehar Singh and Manjeet Singh Gautam	•	Indexed & refereed	1.985	ISSN: 1402- 4896 (print); 1402-4896 (web)	otherauthor
33.	Boundary layer flow with forced convective heat transfer and viscous dissipation past a porous rotating disk. Kushal Sharma, Neha Vijay, O.D. Makinde, S.B. Bhardwaj, Ram Mehar Singh, FazleMabood	Chaos, Solitons and Fractals 148 (2021) 111055		3.764	ISSN: 9600 779	Other author
34.	Copper Nanowire Arrays: Growth and Properties Bharti Sharma, Ram Mehar Singh, Avshish Kumar Sushil Kumar	Indian Journal of Pure & Applied Physics Vol. 59, September 2021, pp. 612-618	Indexed & refereed	0.923	ISSN: 0019- 5596(Print) ISSN: 0975- 1041(Online	
35.		J. Math. Phys. 62, 112705 (2021);	Indexed & refereed	1.488	ISSN:0022- 2488 ISSN: 1089- 7658(Online	Other author
36.	Complex invariants for some time-independent and	Mathematical Physics 88, (2021); 399- 419	Indexed & refereed	0.742	ISSN:0034- 4877	Other author
37.	Co3O4/PANI nanocomposites as a photocatalytic, antibacterial and anticorrosive agent: Experimental and theoretical approach Harish Kumar, Manisha Luthra, Manisha Punia, Ram Mehar Singh	Colloid and Interface Science Communicatio ns 45 (2021) 100512	Indexed & refereed	4.914	ISSN:2215- 0382	Other author

38. Effect of Porosity on hydromagnetic boundry layer flow with forced convective heat transfer Kushal Sharma, Neha Vijay, O.D. Makinda, S.B. Bhardwaj, Ra Mehar Singh, FazleMabood	;	refereed	0.881	ISSN:0975- 1017 Online) ISSN: 971- 4588(Print)	Other author
39. Analytical Solution to the Schrodinger Equation for Generalized Cornell Potential and its Applications to Diatomic Molecules and Heavy Mesons Vinod Kumar, S. B. Bhardwaj, Richa Rani Ram Mehar Singh, and Fakir Chand	Modern Physics Letters A.37(2) 2022, 2250010	Indexed & refereed	2.066	ISSN:0217- 7323 (print); 1793-6632 (web)	Supervisor
40. Mass spectra and Thermodynamic Properties of Soime Heavy and Light Mesons, Vinod Kumar S. B. Bhardwaj, Dinesh Kumar Ram Mehar Singh, and Fakir Chand	of Physics Accepted PRAM-D-21-	Indexed & refereed	1.688	ISSN (Print) 0304-4289 EISSN 0973-7111	Supervisor
41. Template Assisted Electrodeposition Of Copper Nanowires And Their Characteristics .Bhar Sharma, Sushil Kuma Ram Mehar Dixit and Narinder Kumar	ır,	AIP Conference Proceedings 2276, 010001 (2020)		ISBN : 978- 0-7354- 4006-7	Supervisor (See Page No 65-69)
42. RamMehar Singh, Fakir Chand and S.C.Mishra, "Quasi exact solutions of Schrödinger equation for a sextic potentials in two imensions",	Giorg io Ronchi"	Conference proceeding		ISSN 0015- 606X	First Author
43. Quantum mechanics complex quartic potential in two dimensions Ram Mehar Singh, S.C. Mishra and Fakir Chand	of International conference on "Recent development s in nonlinear dynamics" at school of physics, Bharathidasa n University, Tiruchirapali -62004, Feb 13-16, 2008	Conference proceeding		ISBN- 978- 7319- 941-7	First author

44. The Solutions of the Schrödinger equation for non-central potentials in two dimensions, S.C. Mishra Ram Mehar Singh and Fakir Chand.	International conference on "Recent development s in nonlinear dynamics" at school of physics, Bharathidasa n University, Tiruchirapali -62004, Feb 13-16, 2008	Conference proceeding	ISBN- 978- 7319- 941-7	Corress. Author
45. Analysis of LMD data of fragments coming from ⁹ Be(¹¹ Be, ¹⁰ Be)X and ⁹ Be(¹⁵ C, ¹⁴ C)X stripping reaction, Monika Singh, Rajesh Kharab and Ram Mehar Singh	Proceedings of the DAE Symp on Nucl. Phys.59(201 4)	Conference proceeding	Online	Supervisor
46. Analysis of 12C(23O,22O+n)12C stripping reaction within the first order corrected eikonal approximation Monika Singh, Rajesh Kharab and Ram Mehar Singh	5)-416	Conference proceeding	Online	Supervisor
47. Effect of Annealing Temperature on Structural and Optical Properties of Zn-CoO Nanocomposites, Rampal, Dharm Veer, Ram Mehar Singh, Harish Kumar and S.B. Bhardwaj	International Conference of Advances in Optics and Photonics ,Guru Jambeshwar University of Science & Technology, Hisar, November 23-26, 2017	Conference proceeding	ISBN: 978-93- 84871- 109	Supervisor
ZnO-TiO2 Nanocomposites Using Co- precipitation	National Conference on "Recent Developments in Science & Technology in Modern Era" Organized by Arya P.G. College, Panipat December 15, 2017	Conference proceeding		First Author

49. EDXRF analysis of	National	Conference	ISBN: 978-	Supervisor
carat/under carat	Conference on	proceeding	0-7354-	
gold (Au)	Recent		1722-9	
samples,R. Kumar,	Advances in			
A. Rani, R. M.	Experimental			
Singh, and R. Soni	and			
	Theoretical			
	Physics			
	(RAETP-2018)			
Total API				

12. Research Guidance:

Sr.	Course	No. of	Registered for Ph.	Thesis/Dissertation	Degree Awarded
No.		Students	D.	Submitted	
(i)	PG Courses	21		Awarded	21
	(Dissertation involving one				
	semester)				
(ii)	M.Phil	02			02
(ii)	Ph. D.	10	05	01	04

13. Refresher Course, Methodology Workshops, Training, Teaching-Learning Evaluation Technology Programmes, Soft Skills Development Programmes, Faculty Development Programmes, Short ter course, Summer school and Winter school attended, etc.

Sr. No.	Programme	Duration	Organized by
i.	UGC sponsored orientation program	08-07- 2009 to 04-08- 2009	UGC-Academic staff college Kurukshetra University, Kurukshetra
ii.	UGC sponsored refresher course in Physics		UGC- Academic staff College, GJUS & T, Hisar(Haryana)
iii.	UGC sponsored refresher course in Physics		UGC- Academic staff College, GJUS & T, Hisar(Haryana)
iv.	AICTE / ISTE – Short Term Training Programme on Recent Trends and	2004	Department of Physics, Institute of Information technology & Management, Gwalior (M.P)
v.	A Short Term programme on Effective Teaching	August 03, 2007	EDU & EDCL. Mgt Department Chandigarh at Haryana College of Technology & Management Kaithal
vi.	Winter school on nonlinear dynamics (WINEXPNLD-2008)	December 1-5, 2008	SINP Kolkata
vii.	ICTS Summer Programme on Dynamics of Complex Systems Dynamics	June 16-25, 2018	ICTS, Benguluru

viii.	One week Short term course on Advanced instrumentation techniques	Dec. 10-15, 2018	Guru Jambheshwar University of Science and Technology, Hisar
ix.	One week workshop on MOOCs and open education resources	July 22-27, 2019	Guru Jambheshwar University of Science and Technology, Hisar
х.	One Week Online Short Term Course on Synthesis and Characterization of Nanomaterials (SCNM-2020)	November 02-07, 2020	Department of Physics, J.C. Bose University of Science and Technology, YMCA, Faridabad
xi.	One week Online Short Term Course on Research and Development in Composite Materials (RDCM2020)	July 27-31, 2020	Department of Mechanical Engineering and Physics, J.C. Bose University of Science and Technology, YMCA, Faridabad

14. Participation and Paper (s) Presented in Conferences/Seminars/Workshops/Symposia, etc.

Sr.	Titleofthe	Presented	Title of the	Date(s)	Whether International/
No.	paper presented	by	Conference/ Seminaretc &Organizer	ofthe event	National/State/ Regional/University orCollegelevel
1.	"The solutions of the Schrödinger equation for complex Hamiltonian system in two dimensions".	Ram Mehar Singh	"National conference on nonlinear sustems and dynamics" at Physical research laboratory Navrangpura Ahmedabad-380009 Gujarat India	2008	National
2.	Solutions for differential equation for complex system in two dimensions.	Ram Mehar Singh	National Conference on "Futuristic Trends in Engineering and Technology"(FTET-08) Organized by J.C.D.M.College of Engineering on	29, 2008	National
3.	Quantum mechanics of complex quartic potential in two dimensions Ram Mehar Singh, S.C. Mishra and Fakir Chand	Ram Mehar Singh	International conference on "Recent developments in nonlinear dynamics" at school of physics, Bharathidasan University, Tiruchirapali-62004,	Feb 13-16, 2008	International
4.	Quasi- exact solutions of Schrödinger equation for a sextic potentials in two imensions	Ram Mehar Singh,	National workshop on Nanotechnology and Applied Science, Haryana College of Technology and Management Kaithal	November 28-20, 2009	National
5.	Quasi-Exact Solutions of the SchrÄodinger Equation for a Complex Coupled Sextic Potential in Two Dimensions	Ram Mehar Singh	International Symposium on "Complex Dynamical systems and Applications (CDSA2009)"Organized by Digha Science Center, West Bengal, India	4-6, 2009	International
6.	Exact solutions of the diffusion reaction equation in one dimension	Ram Mehar Singh	National conference on recent trends & technology Organized by PrannathParnami institute of management & technology Hisar	2012	National

7.	Quantum mechanics of shifted harmonic potential in one dimension	Ram Mehar Singh	International conference on "Sports, Biomechanics, Emerging Technology & Quality assurance in technical Education" Organized by PrannathParnami institute of management & technology Hisar		International
8.		Ram Mehar Singh	8 th Conference on Nonlineart	Dec 11-14, 2013	National
9.	Integrability of a dynamical system in complex phase space		National Seminar on New Horizons in Computing Research organized by Department of Computer Science & Applications CDLU Sirsa	Feb26, 2015	National
10.	Construction of invariants for a complex Hamiltonian system in 3-dimensions	Singh	National conference on "Emerging trends in Physics and material Science" organized by Physics Department CDLU Sirsa	March 09-10, 2015	National
11.	Integrability of a coupled harmonic potential in complex phase space	Ram Mehar Singh	Conference on nonlinear systems and Dynamics at IISER Mohali	March 13-15, 2015	National
12.	Invariants for a complex cubic potential in three dimensions	Ram Mehar Singh	Conference on nonlinear systems and Dynamics at IISER Mohali	March 13-15, 2015	National
13.	Integral of motion for a PT-symmetric potential in three dimensions	Ram Mehar Singh		March 17-18, 2015	National
14.	Solitary wave solutions for non linear reaction diffusion equation with variable coefficients	Mehar	National conference on "Physics Industry Interface" organized by Department of Physics, Kurukshetra University Kurukshetra	September 02-04, 2015	National
15.	Structural and optical characterization of ZnOnano particles by sol-gel route	Ram Mehar Singh	3 rd National conference on "Photonics and Material Science" organized by Department of Applied Physics, Guru Jambheshwar University of Science and Technology, Hisar	November 18-19, 2015	National
16.	Structural and Optical Properties of TiO ₂ Nanoparticles Prepared by Sol- gel Technique	Ram Mehar Singh	Recent advancements in science &Technology Organized by Arya P.G. College, Panipat	28, 2016	National
17.	Synthesis and Characterization of NiO Nanoparticles by Sol-gel Route	Mehar	2 nd National Conference On Physics of Engineering Materialsorganized by Department of Physics, DCRUST, Murthal,Haryana	March 10- 11, 2016	National

18.	Synthesis and Characterization of Ni-Mn Oxide Nanocomposites Using Wet Chemical Route	Ram Mehar Singh	National conference on "Emerging trends in Physics and material Science" organized by Department of Physics CDLU Sirsa	March 19- 20, 2016	National
19.	Solitary Wave-Type Solutions of Nonlinear Diffusion Reaction Equation Using Auxiliary Equation n Method	Ram Mehar Singh	"Conference on Nonlinear Systems & Dynamics" organized by IISER Kolkata"	Dec 16-18, 2016	National
20.	Exact Solutions of the Burge-Fisher Type Equation With Nonlinear- Convective Terms	Ram Mehar Singh	Trends in Science & Technology" Organized by Arya P.G. College, Panipat	Feburary 18, 2017	National
21.	Solitary and Travelling Wave Solutions of Nonlinear Evaluation Equation	Ram Mehar Singh	National Conference on "Recent Developments in Science & Technology in Modern Era" Organized by Arya P.G. College, Panipat	December 15, 2017	National
22.	Synthesis and Characterization of ZnO-TiO2 Nanocomposites Using Co- precipitation Technique	Ram Mehar Singh	National Conference on "Recent Developments in Science & Technology in Modern Era" Organized by Arya P.G. College, Panipat	December 15, 2017	National
23.	Effect of Annealing Temperature on Structural and Optical Properties of Zn-CoO Nanocomposites	Ram Mehar Singh	National Conference on "Recent Developments in Science & Technology in Modern Era" Organized by Arya P.G. College, Panipat	December 15, 2017	National
24.	New Solitonic Solutions of the Burger-Fisher Type Equations Using A-E Method	Ram Mehar Singh	Conference on Nonlinear Systems & Dynamics (CNSD-218) organized by Jawhar Lal Nehru University, New Delhi	October 12- 14, 2018	International
25.	Exact Solutions of Certain Diffusion Reaction Equations With Higher Order Nonlinearities	Ram Mehar Singh	International Conference on Complex Dynamical Networks (IC ² DN- 2018) at Physics and Applied Mathematics Unit, Indian Statistical Institute, Kolkata.	05, 2018	International
26.	Study of structural, optical and antibacterial properties of Zn _{1-x} Mn _x O nanocomposites by wet-chemical technique	Ram Mehar Singh	National webinar on Advances in Physics organized by Guru Jambheshwar University of Science and Technology, Hisar	June 25-26, 2020	National

27.	Stryctural and	Ram Mehar	International Conference on	June 9-10,	International
	Magnetic	Singfh	Scientific Developments in Current	2021	
	Characterization of		Era (ICSDCE-2021) IB		
	$Zn_{1-x}Co_xO$		Postgraduate College Panipat		
	nanocomposites				
28.	Solitary Wave	Ram Mehar	International Conference on	August 27-28,	International
	Solutions of Some	Singfh	Recent Advances in Basic and	2021	
	Coupled D-R		Applied Sciences, Faculty of		
	Equations Using		Science, Baba Mastnath		
	G'/G Method		University Rohtak		
	- / - Wellou				
29.	Mass Spectra of	Ram	65th DAE-BRNS Symposium on	December 1-	International
	Charmonium and	Mehar	Nuclear Physics, 2021	5, 2021	
	Bottomonium Using	Singh	, DAE Convention Centre,		
	theCoulomb		Anushaktinagar, Mumbai,		
	Perturbed Potential		Maharashtra, 400094		
30.	Travelling and	Ram	International Conference on	March 9-11,	International
	Solitary Wave	Mehar	Nonlinear Dynamics and	2022	
	solutions of (2+1)-	Singh	Applications (ICNDA- 2022) at		
	dimensional		Department of Mathematics,		
	nonlinear		Sikkim Manipal Institute of		
	evoluation		Technology, Majitar, East-Sikkim		
	equations by using		737136, India		
	Khater Method				

15. Invited for conferences/ seminars/ workshops/ symposia to deliver lectures/ chair sessions

Sr. No.	Whether Lecture delivered/ Academic Session Chaired	Title of the Lecture delivered	Title of Conference/ Seminar etc.	Date(s) of the event	Organizer	Whether International/ National/ State/ Regional/ University or College level
\ /	Lecture Delivered	nonlinear	Recent developments in technology		School of physics, Bharathidasan University, Tiruchirapali-62004,	International
	Key note address		Sports, Biomechanics, Emerging Technology & Quality assurance in technical Education	2012	Prannath Parnami institute of management & technology Hisar	International
	Chaired Sessions			•	Arya P.G. College, Panipat	National
` ,	Chaired Sessions		(/17)		Arya P.G. College, Panipat	National

16. Academic contribution through organizing conferences/ seminars/ workshops/ symposia/orientation/refresher courses, etc.

Sr.	Convener/Secretary/Member of	Date/Duration of Event	Whether International/ National/
No.	Organizing/Advisory Committee, etc.		State/ Regiona/ University or College level
i	Member Local Organizing Committee, National Conference on Emerging Trends in Chemical Sciences & Technology (ETCST-15)" Organized by Department of Chemistry, CDLU Sirsa	Feb 25, 2015	National
ii	Organizing Secretary, National Conference on "Emerging Trends in Physics and Material Science" Organized by Department of Physics, (ETCST-15) CDLU Sirsa	March 09-10, 2015	National
iii	Member Organizing Committee,, National Conference on "Emerging Trends in Mathematical Sciences" Organized by Department of Mathematics, CDLU Sirsa	March 17-18, 2015	National
iv	Organizing Secretary, National Conference on "Emerging Trends in Physics and Material Science (ETPMS-2016)" Organized by Department of Physics, CDLU Sirsa	March 19-20, 2016	National
V	Organizing Secretary, International Conference on "Frontiers in Physics, Material Science and Nanotechnology (FPMSN-2022)" Organized by Department of Physics, CDLU Sirsa	March 25-26, 2022	International

17. Academic contribution through participation in quality enhancement efforts

- (i) Member, NAAC Committee, CDLU Sirsa
- (ii) Member, PGBOS, Department of Physics, CDLU Sirsa
- (iii) Member, UGBOS, Department of Physics, CDLU Sirsa
- (iv) Member, DRC, Department of Physics, CDLU Sirsa
- (v) Member Staff council, Department of Physics, CDLU Sirsa
- (vi) Member, Departmental purchase committee, Department of Physics, CDLU Sirsa
- (vii) Member adhoc purchase committee, Department of Physics, CDLU Sirsa
- (viii) Convener, Physical Society, CDLU Sirsa
- (ix) Member, Admission committee, Physical society, Staff council, Time table committee, Budget/Purchase committee Department of Physics, CDLU Sirsa
- (x) Member syllabi enrichment committee, Department of Physics CDLU Sirsa
- (xi) Member, University Industry Cell CDLU Sirsa
- (xii) Member, Hostel Committee, CDLU, Sirsa
- (xiii) Member, Adhoc purchase committee for CCTV cameras for BH-I.
- (xiv) Convener, Adhoc purchase committee for CCTV cameras for BH-II.
- (xv) Convener, Hostel purchase committee for hostel upto Rs. 10000/-
- (xvi) Member, Preperation of Hostel Prospectus Committee, CDLU, Sirsa
- (xvii) Member, Executive committee of alumni association CDLU, Sirsa
- (xviii) Member, Panel of the editor for the University magazine ZENITH CDLU, Sirsa
- (xix) Member, Inspection committee to grant extension in provisional affiliation for B.Ed

- course in respect of Ch. RR Memorial college of education Ellenabad.
- (xx) Member, Inspection committee to inspect KT Govt. College, Ratia, Distt. Fathebad for extension in provisional affiliation for academic session 2019-20
- (xxi) Member, Inspection committee for DRDO New Delhi Research Project in Chemistry Department CDLU, Sirsa
- (xxii) Convener purchase committee for organization of seminar on Swami Vivekanand and his teaching on April 16, 2015.
- (xxiii) Member, Purchase committee for UGC Major Research Project in Department of Chemistry CDLU, Sirsa
- (xxiv) Member, Committee to discuss the recommendation given by Colonel (Ret) MS Dahiya, Shaurya.
- (xxv) Member NSS Advisory Committee CDLU, Sirsa, Unit-II
- (xxvi) MOOC course coordinator of the Department of Physics CDLU Sirsa
- (xxvii) Member, student grievance redressal cell, Department of Physics CDLU Sirsa
- (xxviii)Member of the panel for Judges to evaluate the performace of participats of National Level Competition "Perform Physics Experiments"
- (xxix) Member selection committee for selection of assistant professor in Physics at CRDAV Girls college Ellenabad, Sirsa
- (xxx) Member, Committee to redraft the rules regarding students grievances
- (xxxi) Member, Committee for smooth organization of induction programme
- (xxxii) Member, Adhoc Committee for procurement/ completion of upgradiation of Wi-Fi system
- (xxxiii) Member, Committee to suggest appointment of examiners for practical examinations
- (xxxiv)Member, Committee to look into the age consideration for offering regular admission
- (xxxv) Member, Committee to reframe Ph.D. admission guidelines/ordinance.
- (xxxvi)Member, Committee to prepare Ph.D admission notice and reservation distribution of seats for session 2021-22.
- (xxxvii) Member adhocpurchase committee for purchasing of software for research/teaching
- (xxxviii) Member, Proctor committee CDLU, Sirsa
- (xxxix) Member Criteria-II of NAAC, Deptt of Physics, CDLU, Sirsa(xl) Chairperson, Department of Geography, CDLU Sirsa
- (xli) Director Ranking, , CDLU Sirsa
- (xlii) Nodal officer, NIRF and Atal Ranking, CDLU Sirsa
- (xliii) Convener, PGBOS, Department of Geography, CDLU Sirsa
- (xliv) Convener, UGBOS, Department of Geography, CDLU Sirsa
- (xlv) Convener, DPC, Department of Geography, CDLU Sirsa
- (xlvi) Convener, To purchase lab equipments, Department of Geography, CDLU Sirsa

- (xlvii) Convener, Admission Committee, Department of Geography, CDLU Sirsa
- (xlviii) Member, Academic audit, Department of Geography, CDLU Sirsa
- (xlix) Member, Academic-Administration Interface committee CDLU, Sirsa
- (l) Member, Committee for national teacher prize 2021
- (li) Member alumni association of the University, CDLU Sirsa
- (lii) Nodal officer, online examination, CDLU Sirsa
- (liii) Member committee to look into the age consideration for regular admission
- (liv) Convener, Kit/Chemical purchase committee, CDLU Sirsa
- (lv) Member, Admission Committee, USGS, CDLU Sirsa
- (lvi) Member discipline committee for 75th independence day 2021
- (lvii) Member, Committee to decide the quality of latest version, brand and preparation of specification of all in one computers and multifunctional computers
- (Iviii) Member, National advisory committeeof International Conference on Frontiers in Physics, Materials, Science and Nanotechnology, Department of Physics CDLU Sirsa
- (lix) Member, Local advisory committeeof International Conference on Frontiers in Physics, Materials, Science and Nanotechnology, Department of Physics CDLU Sirsa

18. Details regarding participation in summer schools, workshops, seminars, symposia etc.

- (i) AICTE / ISTE Short Term Training Programme on Recent Trends and Advances in semiconductor technology organised by Department of Physics, Institute of Information technology & Management, Gwalior (M.P), from March 15 20, 2004.
- (ii) National conference on Recent advances in material science (RAMS-06) organized by Department of Physics Kurukshetra University Kurukshetra, from September 27-29, 2006.
- (iii) Workshop on MATLAB / SIMULINK Technology organised by Department of Electrical & Electronics Engineering, Haryana College of Technology & Management Kaithal, on Jan 4, 2007.
- (iv) National Workshop on Nano Technology and Modeling organised by Department of Electronics & Communication Engineering, Haryana College of Technology & Management Kaithal, on Jan 5, 2007.
- (v) DELNET One day orientation Programme organised in collaboration with Haryana College of Technology & Management Kaithal, on April 30, 2007.
- (vi) A Short Term programme on Effective Teaching conducted by EDU & EDCL. Mgt Department Chandigarh at Haryana College of Technology & Management Kaithal, from Jul 30, 2007 to August 03, 2007.
- (vii) Winter school on nonlinear dynamics (WINEXPNLD-2008) December 1-5, 2008

- (viii) National workshop and conference on "Computational methods for Nonlinear Dynamics" organized by centre for Nonlinear Dynamics Bharathidasan University, Tiruchirapali-62004, from Sep 22-25, 2010.
- (ix) National workshop on "Patent Awareness Vis-A-Vis intellectual Property Rights" organized by IPR & TC Cell Guru Jambheshwer University of Science & Technology Hisar 125001 (Haryana) on August 9, 2011.
- (x) National workshop on "Patent Awareness Vis-A-Vis intellectual Property Rights" organized by IPR & TC Cell Guru Jambheshwer University of Science & Technology Hisar 125001 (Haryana) on August 9, 2011.
- (xi) National workshop on "Patent Awareness: Issues & Challenges" organized by Department of Biotechnology, Ch. Devi Lal University Sirsa— 125055 (Haryana) on August 10, 2011.
- (xii) National workshop on "Patent Awareness: Issues & Challenges" organized by Department of Biotechnology, Ch. Devi Lal University Sirsa—125055 (Haryana) on August 10, 2011.
- (xiii) National workshop on "Patent Awareness: Issues & Challenges" organized by Department of Biotechnology, Ch. Devi Lal University Sirsa–125055 (Haryana)
- (xiv) National seminar on "Communal harmony, peace and social justice" organized by UGC cell for coaching schemes, Ch. Devi Lal University Sirsa–125055 (Haryana) on Dec. 06, 2011.
- (xv) Attended the orientation program with the theme, "Nuclear Isomerism: Commemorating the centenary of discovery" on November 30, 2021, in the "65th DAE-BRNS Symposium on Nuclear Physics (SNP2021)".
- 19. Computater Skil: Ms Word, Excel, Fortran, C++, Matlab, Latex, Origin, Mapple, Linux, Pythen
- **20. Teaching Contributio**: I have taught the following subjects at UG & PG level

UG Level : Solid state Physics, Laser, Optics, Electronic, Quantum Mechanics, Classical Mechanics, Nuclear Physics, Electricity and Magnetism.

P.G Level: Electronics, Quantum Mechanics, Computational Physics.

- **21. Extension Lectures Delivered :** Three times at MM College Fathebad and once at Janta (PG) College Fathebad
- 22. Other Responsibilities Assigned by the University:
 - (i) Programme Officer, NSS, UTD, CDLU, Sirsa from 19-09-20112 to 18-10-2017
 - (ii) Warden Boys Hostel-II, CDLU Sirsa w.e.f. June 20, 2014 till date.
 - (iii) Chairperson, Department of Geography, CDLU Sirsa
 - (iv) Director Ranking, , CDLU Sirsa
 - (v) Nodal officer, NIRF and Atal Ranking, CDLU Sirsa

Date:	
	Signature of the Faculty

I certify that the information provided and/or the documents are correct as per records.