



DEPARTMENT OF PHYSICS
GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY
HISAR - 125 001, HARYANA (INDIA)

No. PHY/2019/2388

Dated 20/12/19

To

The Deputy Registrar (Academic),
GJUS&T, Hisar

Sub: Annual Report for the year 2018-19 (01.01.2018 to 30.06.2019).

Please find enclosed herewith the Annual Report for the year 2018-19 on the prescribed format is enclosed herewith alongwith the soft copy (send to e-mail academicbranch@rediffmail.com).

Arjeet
20/12/19
CHAIRPERSON

Annual Report: 2018-19
(Period: 01-01-2018 to 30-06-2019)

Department of PHYSICS

I. Name: Department of Physics

II. Year of Establishment: 1996

III. (a) Vision:

To inspire the young students towards understanding and learning the fundamental concepts of Physics and their applications for the development of new technologies in the national interests.

(b) Mission:

Physics is regarded as the most significant subject among all scientific and technical disciplines. The mission of Physics department at Guru Jambheshwar University of Science & Technology is to provide both the undergraduate and postgraduate students strong qualitative and quantitative knowledge along with developing a problem solving attitude that may open up a wide range of career choices. In addition, the mission also includes encouraging the research scholars to conduct cutting-edge research resulting in new discoveries and innovations that expands the horizons of science and technology.

This mission will be accomplished by providing students with rigorous and comprehensive knowledge as well as bringing exciting research perspectives to the student community of Physics Department at Guru Jambheshwar University of Science & Technology.

(c) Objective:

- (i) To impart research as well as career-oriented quality education and training to young minds in Physics by offering a mixture of Pure and Applied Physics with state-of-the-art facilities.
- (ii) The students in the department are trained and prepared according to the needs of current research, academics and industry requirements.
- (iii) The courses provide the basic knowledge in Physics and offer various options of specializations in Photonics, Laser Physics, Opto-electronics, Materials Science (Nanomaterials, Thin films and Glasses), Nuclear Physics etc.
- (iii) To strengthen the research facilities in the areas of Materials Science, Opto-Electronics, Lasers and Optics, Photonics and Computational Physics. The department procures grants from various funding agencies such as DST, UGC, CSIR, DRDO, AICTE & DAE-BRNS etc.
- (iv) For the job-placement of students, training and placement cell invites industries for the campus interviews.

IV. Courses offered in the department:

Course	Sanctioned Intake	Present Strength (Total)
Ph.D.		70
M.Sc. (Physics)	54 (Pre.) + 54 (Final)	53 + 49 = 102
B.Sc. (Physics)	39 (I-Year) + 39 (II-Year) + 39 (III-Year)	38+33+29 = 100
Teaching Physics course to B.Tech.	600	

V. Faculty detail (list attached with qualification and experience)

Professor		Associate Professor		Assistant Professor	
Sanctioned	Filled	Sanctioned	Filled	Sanctioned	Filled
2	-	4	3	15	11

VI. Office staff detail:

Title of Position	Sanctioned strength	In position strength
Tech. Asstt. (G-I)	1	1
Assistant	-	1
Steno Typist	1	-
Clerk cum DEO	1	1
Store Keeper	1	-
Lab. Attendant	5	7
Peon	1	1

VII. (a) Student detail in respect of M.Sc. course

Previous Year		Final Year	
Sanctioned	Filled	Sanctioned	Filled
54	54	54	49

(b) Student detail in respect of M.Sc. course: Nil

(c) Student detail in respect of B.Tech., B.Pharma. and B.P.Th. Programmes: Nil

(d) Detail of Foreign Students if any, admitted in the Department: Nil

VIII. Research Scholars

Intake Capacity	Total no. of Ph.D. students	Registered during the period	Thesis completed during the period
94	60	25	09

IX. Sponsored Research/ Consultancy Projects:

Title of Project	Name of Invigilators	Project in process	Awarded during the period	Completed during the period	Nature: Research/ Consultancy
Realisation Of Optical Limiting And Switching In Photonic Materials	Prof. Devendra Mohan	Completed (May 1,2016 – April 2018)	NIL	YES	Research
Metal Oxide Thin Film For Gas sensing Applications	Prof. Rakesh Dhar	-	one	one	Research
Study of Structural, Optical and Electrical Properties of Heavy Metal oxide glasses	R S Kundu	Completed	2013	2018	Research
Simulation of Chalcopyrite: Promising Materials for Solar Cell	Dr Ramesh Kumar	Ongoing	2017-18	2019-20	Research
Band gap engineering of binary and ternary DMS compounds to tune magnetic response for Spintronics devices	Dr. Hardev Singh	Nil			UGC start up research project
Growth of two dimensional layered nanomaterials for their possible applications in Nano-electronic and Energy harvesting devices	Ravi Bhatia	In progress	2015	2020	Research
Mueller Matrix method to study scatterers	Dr David Joseph	In progress CIL, GJUS&T			One paper published art DAE conference , 2018
Total = 07					

4. (i) Number of Publications of Faculty (in Total):

Books	Research paper		Research paper		Other articles
	International	National	Refereed	Non-refereed	
-	82	01	82	01	-

(ii) Detail of publication during the period:

Books / Book Chapters / Monograph

Authors	Title	Year of Publication	Type of books
-	-	-	-

Papers/ articles in Journals

Authors	Year	Title of paper	Name of journal	Vol. & No.	Pages	Publisher
Kirti Kapoor, Devendra Mohan, Ravish Garg et al	2018	Laser Induced Damage Threshold of Pure and Doped TiO ₂ Thin Films.	Journal of Nanoscience, Nanoengineering & Applications.	8(2)	15-19p	American Scientific Publishers
Singh, J., Agarwal, A., Sanghi, S., Bhasin, T., Yadav, M., Bhakar, U., Singh, O.	2019	Effect of Ba and Ho co-doping on crystal structure, phase transformation, magnetic properties and dielectric properties of BiFeO ₃	Current Applied Physics	19	321	Elsevier
Singh, J., Agarwal, A., Sanghi, S., Prakash, P., Das, A., Prajapat, C.L., Rangi, M.	2019	Phase transformation in crystal and magnetic structure and improved dielectric and magnetic properties of Ho substituted BiFeO ₃ multiferroics	AIP Advances	9		AIP
Singh, O., Agarwal, A., Sanghi, S., Singh, J.	2019	Variation of crystal structure, magnetization, and dielectric properties of Nd and Ba co-doped BiFeO ₃ multiferroics	International Journal of Applied Ceramic Technology	16	119	Wiley
Godara, P., Agarwal, A., Ahlawat, N., Sanghi, S.	2018	Crystal structure, dielectric and magnetic properties of Gd doped BiFeO ₃ multiferroics	Physica B: Condensed Matter	550	414	Elsevier
Bhasin, T., Agarwal, A., Sanghi, S., Kotnala, R.K., Shah, J., Yadav, M., Tuteja, M.,	2018	Crystal structure, dielectric, magnetic and improved magnetoelectric properties of xNiFe ₂ O ₄ -(1-	Materials Research Express	5		IOP

Singh, J.		$x\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ composites				
Yadav, M., Agarwal, A., Sanghi, S., Kotnala, R.K., Shah, J., Bhasin, T., Tuteja, M., Singh, J.	2018	Crystal structure refinement, dielectric and magnetic properties of A-site and B-site co-substituted $\text{Bi}_{0.90}\text{Nd}_{0.10}\text{Fe}_{1-x}\text{Ti}_x\text{O}_3$ ($x=0.00, 0.02, 0.05$ & 0.07) ceramics	Journal of Alloys and Compounds	750	848	Elsevier
Bhasin, T., Agarwal, A., Sanghi, S., Kotnala, R.K., Shah, J., Yadav, M., Tuteja, M.	2018	Crystal structure, dielectric, magnetic and magnetoelectric properties of $x\text{NiFe}_2\text{O}_4-(1-x)\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ composites	Journal of Alloys and Compounds	748	1022	Elsevier
Kumari, R., Ahlawat, N., Agarwal, A., Sanghi, S., Sindhu, M., Rani, S.	2018	Effect of doping of alkaline metal ions on structural and electrical properties of $\text{Bi}_{0.8}\text{M}_{0.2}\text{FeO}_3$ -modified $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ ceramics (M=Ca, Sr, and Ba)	Journal of Alloys and Compounds	747	712	Elsevier
Jangra, S., Sanghi, S., Agarwal, A., Rangi, M.	2018	Rietveld refinement, dielectric and magnetic properties of Nb modified $\text{Bi}_{0.80}\text{Ba}_{0.20}\text{FeO}_3$ ceramic	AIP Conference Proceedings	1953		AIP
Jangra, S., Sanghi, S., Agarwal, A., Rangi, M., Kaswan, K.	2018	Effects of Nd^{3+} and high-valence Nb^{5+} co-doping on the structural, dielectric and magnetic properties of BiFeO_3 multiferroics	Ceramics International	44	7683	Elsevier
Bhasin, T., Agarwal, A., Sanghi, S., Kotnala, R.K., Shah, J., Yadav, M., Tuteja, M.	2018	Study of crystal structure, dielectric, magnetic and magnetoelectric properties of $x\text{CoFe}_2\text{O}_4-(1-x)\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ composites	Ceramics International	44	7629	Elsevier
Bhasin, T., Agarwal, A., Sanghi, S., Yadav, M., Tuteja, M., Singh, J., Rani, S.	2018	Structural, dielectric and magnetic properties of $\text{ZnFe}_2\text{O}_4-\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ multiferroic composites	AIP Conference Proceedings	1942		AIP
Singh, J., Agarwal, A.,	2019	Investigation of crystal structure and	Applied Physics A:	125	321	Springer

Sanghi, S., Yadav, M., Bhasin, T., Bhakar, U.		improved magnetic and dielectric properties of Ti- substituted $\text{Bi}_{0.90}\text{Ho}_{0.10}\text{FeO}_3$ multiferroics	Materials Science and Processing			
P.Narwal, Manjeet S.Dahiya, A.Yadav, A.Hooda, A.Agarwal, S.Khasa	2018	Improved white light emission in Dy^{3+} doped LiF- CaO-Bi 2O_3 - B 2O_3 glasses	<i>Journal of Non- Crystalline Solids</i>	498		470-479
Anju Ji ndal, Ashish Agarwal, Praveen Aghamkar		Structural changes and magnetism in $\text{Bi}_{1-x}\text{Ba}_x\text{FeO}_3$ ($x =$ 0, 0.1, 0.2, 0.3) nanopowders	Applied Physics A	124		323
Dhar R <i>et al</i>	2018	<i>Determination of valence and conduction band offsets in $\text{Zn}_{0.98}\text{Fe}_{0.02}\text{O}/\text{ZnO}$ hetero-junction thin films grown in oxygen environment by pulsed laser deposition technique: A study of efficient UV photodetectors</i>	<i>Journal of Alloys and Compounds</i> 768 (2018) 978e990	1-12,29 July 2018		
Dhar R <i>et al</i>	2018	<i>Diluted Magnetic Semiconducting Properties of Nanocrystalline $\text{Zn}_{0.98}\text{X}_{0.02}\text{O}$ ($X = \text{Fe, Ga, Ni}$) Thin Films Deposited by PLD Technique for Spintronic Applications</i>	<i>Journal of Magnetism and Magnetic Materials</i>	1-32,10 August 2018		
Sunita Rani, R. S. Kundu, Neetu Ahlawat, Suman Rani, Kanta Maan Sangwan and Kanika Rani	2019	Bismuth modified physical and optical properties of barium boro-tellurite glasses	AIP Conference Proceedings	2115,030255		AIP
Kanta Maan Sangwan, N. Ahlawat, R. S. Kundu, Suman Rani, and Sunita	2019	Structural, dielectric and ferroelectric properties of substituted BaZrTiO_3 lead-free	AIP Conference Proceedings AIP	2115, 030027		AIP

Rani	2019	ceramics	Conference Proceedings	2115, 030027		AIP
Priyanka Khandelwal, N. Ahlawat, R. S. Kundu, Kanta Maan Sangwan and Shakuntala Bajjal	2019	Influence of Sr-doping on structural and ferroelectric properties of BaTiO ₃ ceramics	Journal of Optoelectronics and Advanced Materials, (2019)	21(1-2),		Journal of optoelectronics and advanced materials
Sunita Rani, RS Kundu, N Ahlawat, KM Sangwan, Suman Rani, A Kumar	2018	Investigation of optical parameters of titanium substituted strontium borate glasses by Mott Davis's and hydrogenic excitonic model.	Indian Journal of Physics,	92 (7)	114-118	Springer
S Rani, N Ahlawat, R Parmar, S Dhankhar, RS Kundu	2019	Role of lithium ions on the physical, structural and optical properties of zinc boro tellurite glasses	Journal of Optics,	48(2)	901-909	IOP
Kuldip Singh, Ashok Chauhan, Manish Mathew, Rajesh Punia and R S Kundu		Effects on electrical and optical properties of InGaN/GaN MQWs light-emitting diodes using Ni/ITO transparent p-contacts on p-GaN	Applied Physics A, , 2019,	125 (1)	240-245	Springer
Kuldip Singh, Ashok Chauhan, Manish Mathew Rajesh Punia, Sher Singh Meena, Nidhi Gupta and RS Kundu	2019	Formation of non-alloyed Ti/Al/Ni/Au low-resistance ohmic contacts on reactively ion-etched n-type GaN by surface treatment for GaN light-emitting diodes applications	Indian Journal of Physics,	https://doi.org/10.1007/s12648-019-01472-0 (2019)		Springer
	2019		AIP Conference Proceedings	2115, 030266		AIP
Kuldip Singh, Ashok Chauhan, Manish Mathew,		Electrical and optical properties of InGaN/GaN MQWs light-emitting diodes with Ni/Au/ITO transparent p-contacts				

Rajesh Punia and R S Kundu Kirti Nanda, R. S. Kundu, R.Punia, Devendra Mohan, and N. Kishore		Linear and nonlinear optical characterization of neodymium doped barium-zinc-borate glasses				
Rishi Pal, Sneha Lata Goyal, Vinay Gupta and Ishpal Rawal	2019	MnO ₂ - Magnetic Core Shell Structured Polyaniline Dependent Enhanced EMI Shielding Effectiveness: A Study of VRH Conduction	<i>Chemistry Select</i>	4	9194-9210	ChemPubSoc Europe and Wiley-VCH
Pawan Kumar, Sneha Lata Goyal, Maitreyee Nandy and P, K, Sarkar,	2019	Excitation Function Calculations in Proton Induced Nuclear Reactions on Zn and Cu upto 80 MeV	Ind. J. Phys.	Communicated after revision		Springer
Rishi Pal, Sneha Lata Goyal and Smriti Sharma	2019	Facial Synthesis of Polyaniline and its Nanocomposites for Room Temp. Methanol Sensors	AIP Conf. Proceedings 2019.	2115	030217-1-030217-4	AIP Publishing
Sumandeep Kaur, Ashok Kumar, Sunita Srivastava, K. Tankeshwar and Ravindra Pandey	2018	Monolayer, Bilayer, and Heterostructures of Green Phosphorene for Water Splitting and Photovoltaics	J. Phys. Chem. C	122/26032	07	Am Chem Soc
Jagdish Chandra Joshi, Tankeshwar Kumar, Sunita Srivastava, Divya Sachdeva and Ashwagosh Ganju	2018	Application of Hidden Markov Model for avalanche danger simulations for road sectors in North-West Himalaya	Natural Hazards	93/1127	17	Springer
Venus Sharma and Sunita Srivastava	2018	<u>Strain-mediated electronic properties of pristine and Mn-doped GaN monolayers</u>	<i>Mater. Res. Express</i>	5/045001	07	IOP

Sumandeep Kaur, Ashok Kumar, Sunita Srivastava, Ravindra Pandey and K Tankeshwar	2018	<u>Stability and Carrier Transport Properties of Phosphorene Based Polymorphic Nanoribbons</u>	Nanotechnology	29/155701	10	IOP
D.P.Rai, Sumandeep Kaur and Sunita Srivastava	2018	<u>Band gap modulation of mono and bi-layer hexagonal ZnS under transverse electric field and bi-axial strain: A first principles study</u>	Physica B: Condensed Matter	531/90	05	Elsevier
Chander Shekhar, Sunita Srivastava, Harendra Singh Negi and Manish Dwivedi	2018	Hyper-spectral data based investigations for snow wetness mapping	Geocarto International		25	Taylor & Francis
Chander Shekhar, Sunita Srivastava, H. S. Negi, Akshay Gore and Snehamani	2018	Effect of linear and non-linear mixing on hyper-spectral signatures of snow in the optical region (350–2500 nm)	Geocarto International		21	Taylor & Francis
Sumandeep Kaur, Jaspreet Singh, Ashok Kumar, Sunita Srivastava, and K. Tankeshwar	2019	Energetics and electronic structure of novel hybrid dumbbell monolayers	AIP Conf. Proc	2115/030382	04	AIP
Mukesh Jakhar, Ashok Kumar, Sunita Srivastava, Prakash Parida, and K. Tankeshwar	2019	Adsorption of nucleobases on different allotropes of phosphorene	AIP Conf. Proc	2115/030361	04	AIP
Ashok Kumar, Mukesh Jakhar, Sunita Srivastava, and K. Tankeshwar	2019	Stability and electronic properties of two dimensional pentagonal layers of palladium chalcogenides	AIP Conf. Proc	2115/ 030387	04	AIP
Shilpa Singh, Sumandeep Kaur, Sanjeev K. Gupta, Ashok Kumar, and Sunita Srivastava	2019	Stability and tunable electronic structure of planar phosphorus nanotubes	AIP Conf. Proc	2115/ 030383	04	AIP

Lalrinkima, Lahriatuzala, D. P. Rai and Sunita Srivastava	2019	Strain Dependence of Electronic Properties and Effective Masses of Monolayer ZnO from Density Functional Theory	AIP Conf. Proc	2115/030093	04	AIP
Venus Sharma and Sunita Srivastava	2019	Exploration of Mn intercalated GaN Bilayer Semiconductor Sheets	AIP Conf. Proc	2115/030182	04	AIP
Sumandeep Kaur, Ashok Kumar, Sunita Srivastava, and K. Tankeshwar	2018	Electronic structure and simulated STM images of non- honeycomb phosphorene allotropes	AIP Conf. Proc	1942/080020	04	AIP
Sunil Kumar, Ajay Shankar, Nawal Kishore, C.Mukherjeec, Rajiv Kamparath, Sudhakar Thakur	2019	Laser Induced Damage Threshold of Ta2O5 and Ta2O5/SiO2 Films at 532 and 1064 nm	Optik	176	438-447	Elsevier
SunilKumar, Ajay Shankar, Nawal Kishore, C.Mukherjeec, Rajiv Kamparath, Sudhakar Thakur, (2019) 10.1007/s12648- 019-01445-3	2019	Laser Induced Damage Threshold Study on TiO2/SiO2 Multilayer Reflective Coatings	Indian J. Phys	DOI:10.1007/s1264 8-019-01445-3		Springer
Sunil Kumar, Ajay Shankar, Nawal Kishore, C.Mukherjeec, Rajiv Kamparath, Sudhakar Thakur	2019	Laser Induced Damage Threshold of Ta2O5 and Ta2O5/SiO2 Films at 532 and 1064 nm	Optik	176	438-447	Elsevier
Sunita Rani, R. S. Kundu, Neetu Ahlawat, Suman Rani, Kanta . Maan Sangwan and Kanika Rani		Bismuth modified physical and optical properties of barium boro-tellurite glasses		AIP Conference Proceedings 2115, 030255 (2019)		
Priyanka Khandelwal, N.		Influence of Sr- doping on structural		AIP Conference Proceedings 2115,		

Ahlawat, R. S. Kundu, Kanta Maan Sangwan and Shakuntala Bajjal		and ferroelectric properties of BaTiO ₃ ceramics		030599 (2019)		
Kanta Maan Sangwan, N. Ahlawat, R. S. Kundu, Suman Rani, and Sunita Rani		Structural, dielectric and ferroelectric properties of substituted BaZrTiO ₃ lead-free ceramics		AIP Conference Proceedings 2115, 030027 (2019)		
Sunita Rani, RS Kundu, N Ahlawat, KM Sangwan, Suman Rani, A Kumar		Investigation of optical parameters of titanium substituted strontium borate glasses by Mott Davis's and hydrogenic excitonic model.		Journal of Optoelectronics and Advanced Materials, 21(1-2), 114-118(2019)		
N Berwal, N Ahlawat, D Mohan, R Punia, N Kishore		Non-linear optical properties of SiO ₂ modified Bi ₂ O ₃ - TeO ₂ -B ₂ O ₃ glass system		AIP Conference Proceedings 2142 (1), 140025 (2019)		
P Sharma, N Berwal, N Ahlawat, AS Maan, R Punia		Study of structural, dielectric, ferroelectric and magnetic properties of vanadium doped BCT ceramics		Ceramics International (2019) DOI: 10.1016/j.ceramint. 2019.07.013		
S Rani, N Ahlawat, R Punia, KM Sangwan, P Khandelwal		Dielectric and impedance studies of La and Zn co-doped complex perovskite CaCu ₃ Ti ₄ O ₁₂ ceramic		Ceramics International 44 (18), 23125-23136 (2018)		
S Rani, N Ahlawat, R Parmar, S Dhankhar, RS Kundu		Role of lithium ions on the physical, structural and optical properties of zinc boro tellurite glasses		Indian Journal of Physics 92 (7), 901-909 (2018)		
S Rani, N Ahlawat, KM Sangwan, R Punia, A Kumar		An approach for correlating electrically heterogeneous structure to enhanced dielectric properties		Journal of Alloys and Compounds 769, 1102-1112 (2018)		

		of Sr and Zn co-substituted CaCu ₃ Ti ₄ O ₁₂ ceramics			
R Kumari, N Ahlawat, A Agarwal, S Sanghi, M Sindhu, S Rani		Effect of doping of alkaline metal ions on structural and electrical properties of Bi _{0.8} M _{0.2} FeO ₃ -modified Na _{0.5} Bi _{0.5} TiO ₃ ceramics (M=Ca, Sr, and Ba)		Journal of Alloys and Compounds 747, 712-720 (2018)	
P Godara, A Agarwal, N Ahlawat, S Sanghi		Crystal structure, dielectric and magnetic properties of Gd doped BiFeO ₃ multiferroics		Physica B: Condensed Matter 550, 414-419 (2018)	
Kanta Maan Sangwan, N. Ahlawat, R.S. Kundu, Suman Rani, Sunita Rani		Effect of Mn doping on conductivity spectra of BaZrTiO ₃ ceramics"		Ceramics International, 44(10315-10321)2018	
Kanta Maan Sangwan, Neetu Ahlawat, R. S. Kundu, Suman Rani, Sunita Rani, Navneet Ahlawat, Sevi Murugavel		Improved dielectric and ferroelectric properties of Mn doped Barium zirconium titanate (BZT) ceramics for energy storage applications		J. Phys. Chem. Solids 117 (158-166), 2018,	
Suman Rani; Neetu Ahlawat, Rajesh Punia; Kanta Maan Sangwan; Sunita Rani; Sevi murugavel; Ajeet Kumar		Dielectric relaxation and conduction mechanism of complex perovskite Ca _{0.9} Sr _{0.10} Cu ₃ Ti _{3.95} Zn _{0.05} O ₁₂ ceramic		Ceramics International , 44(5996-6001)2018	
Suman Rani, N. Ahlawat, R.Punia, Kanta Maan Sangwan, Sunita Rani		Structural investigation and giant dielectric response of CaCu ₃ Ti ₄ O ₁₂ ceramic by Nd/Zr		J. Mat. Sc.: Mater Electron, https://doi.org/10.1007/s10854-018-9150-9 , 2018	

		co-doping for energy storage applications				
Sunita Rani and R.S. Kundu, Neetu Ahlawat, Kanta Maan Sangwan, Suman Rani, Navneet Ahlawat ted).		Effect of Lithium on Thermal and Structural Properties of Zinc Vanadate Tellurite Glass		AIP Conference Proceeding 1942, 070026 (2018); doi: 10.1063/1.5028824		
Kanta Maan Sangwan, N. Ahlawat, R.S. Kundu, Suman Rani, Sunita Rani		Structural, Dielectric and Ferroelectric Study of BaZrMnTiO ₃		AIP Conference Proceeding 1963, 030090 (2018)		
Kanta Maan Sangwan, N. Ahlawat, R.S. Kundu, Suman Rani, Sunita Rani		Effect of Temperature on Structure, Dielectric and Ferroelectric Properties of Modified BaZrTiO ₃ Ceramic		AIP Conference Proceeding 1942, 050106 (2018); doi: 10.1063/1.5028737		
V.Singh and R. Kumar	2019	Fowler Nordheim Plot Analysis of Degradation in P3HT:PCBM Thin Film MIM Devices	Macromole cular Research	19	13233	Springer
Bhuvan Agrawal, Anushka Nagpal, Ramesh Kumar, Hardev S. Saini, Manish K. Kashyap and Mukhtiyar Singh	2019	Effect of disorders on Half-Metallic Ferromagnetism in Cr ₂ CoAl inverse Heusler alloy	AIP Conference Proceedings	2093	020023	AIP
Bhuvan Agrawal, Anushka Nagpal, Ramesh Kumar, Hardev S. Saini, Manish K. Kashyap and Mukhtiyar Singh	2019	Study of FeCrSn _{1-x} Gax Heusler Alloys: Tuning Fermi Level to attain Half-Metallic Ferromagnetism	AIP Conference Proceedings	2093	020019	AIP

Gagandeep, M. Singh, R. Kumar & Fakir Chand	2019	A theoretical modeling of the Cu(In, Ga)Se ₂ solar cell	AIP Conference Proceedings	2093	020018	AIP
Gagandeep, M. Singh, R. Kumar & Fakir Chand	2018	A theoretical study of perovskite material for solar cell application	AIP Conference Proceedings	2006	30046	AIP
Veenu Mehta, K. Tankeshwar, and Hardev S. Saini	2019	Prediction of Mo ₂ CF ₂ monolayer as a novel anode material for Li-ion batteries: A first principle study	AIP Conference Proceedings	2115	030576	AIP
Poonam, Hardev S. Saini, Jyoti Thakur, A. K. Pundir, Mukhtiyar Singh, and Manish K. Kashyap	2019	Structural, electronic and magnetic properties of Ti-doped MgSe diluted magnetic semiconductor compound	AIP Conference Proceedings	2093	020001	AIP
Nisha, Hardev S. Saini, Manish K. Kashyap, Jyoti Thakur, and Mukhtiyar Singh	2019	First-principles study on electronic, mechanical and thermoelectric transport properties of topological insulator NaAuS	AIP Conference Proceedings	2093	020016	AIP
Poonam, A. K. Pundir, Mukhtiyar Singh, Jyoti Thakur, Manish K. Kashyap, and Hardev S. Saini	2019	First-principles investigation of half metallic ferromagnetism in Ti-doped MgTe binary alloy via modified Becke-Johnson potential	AIP Conference Proceedings	2115	030485	AIP
Nisha, Kulwinder Kaur, Jyoti Thakur, Manish K. Kashyap, and Hardev S. Saini	2019	Electronic and thermoelectric transport properties of topological insulator LiAuS	AIP Conference Proceedings	2115	030426	AIP
Bhuvan Agrawal, Anushka Nagpal, Ramesh Kumar, Hardev S. Saini, Manish K. Kashyap, and Mukhtiyar Singh	2019	Study of FeCrSn _{1-x} Gax Heusler alloys: Tuning Fermi level to attain half-metallic ferromagnetism	AIP Conference Proceedings	2093	020019/	AIP

Gagandeep, M. Singh, R. Kumar & Fakir Chand	2019	A theoretical modeling of the Cu(In, Ga)Se ₂ solar cell	AIP Conference Proceedings	2093	020018	AIP
Gagandeep, M. Singh, R. Kumar & Fakir Chand	2018	A theoretical study of perovskite material for solar cell application	AIP Conference Proceedings	2006	30046	AIP
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Poonam, Hardev S. Saini, Jyoti Thakur, A. K. Pundir, Mukhtiyar Singh, and Manish K. Kashyap	2019	Structural, electronic and magnetic properties of Ti-doped MgSe diluted magnetic semiconductor compound	AIP Conference Proceedings	2093	020001	AIP
Nisha, Hardev S. Saini, Manish K. Kashyap, Jyoti Thakur, and Mukhtiyar Singh	2019	First-principles study on electronic, mechanical and thermoelectric transport properties of topological insulator NaAuS	AIP Conference Proceedings	2093	020016	AIP
Poonam, A. K. Pundir, Mukhtiyar Singh, Jyoti Thakur, Manish K. Kashyap, and Hardev S. Saini	2019	First-principles investigation of half metallic ferromagnetism in Ti-doped MgTe binary alloy via modified Becke-Johnson potential	AIP Conference Proceedings	2115	030485	AIP
Nisha, Kulwinder Kaur, Jyoti Thakur, Manish K. Kashyap, and Hardev S. Saini	2019	Electronic and thermoelectric transport properties of topological insulator LiAuS	AIP Conference Proceedings	2115	030426	AIP
Bhuvan Agrawal, Anushka Nagpal, Ramesh Kumar, Hardev S. Saini, Manish K. Kashyap, and Mukhtiyar Singh	2019	Study of FeCrSn _{1-x} Gax Heusler alloys: Tuning Fermi level to attain half-metallic ferromagnetism	AIP Conference Proceedings	2093	020019/	AIP

Anushka Nagpal, Bhuvan Agrawal, Ramesh Kumar, Hardev S. Saini, Manish K. Kashyap, and Mukhtiyar Singh	2019	Effect of disorders on half-metallic ferromagnetism in Cr ₂ CoAl inverse Heusler alloy	AIP Conference Proceedings	2093	020023/	AIP
Jyoti Thakur, Priti Rani, Monika Tomar, Vinay Gupta, Hardev S. Saini, and Manish K. Kashyap	2019	Tailoring in-plane magnetocrystalline anisotropy of Fe ₅ SiB ₂ with Cr-substitution	AIP Conference Proceedings	2115	030506/	AIP
Hardev S. Saini, Poonam, A. K. Pundir, Mukhtiyar Singh, Jyoti Thakur and Manish K. Kashyap	2019	Prediction of Half Metallicity in Ti-Doped BeSe: A Spintronics Material	AIP Conference Proceedings	2115	030498/	AIP
Veenu Mehta, K. Tankeshwar, and Hardev S. Saini	2018	Li-adsorption on doped Mo ₂ C monolayer: A novel electrode material for Li-ion batteries	AIP Conference Proceedings ISSN: 1551-7616	1942	pp. 140047	AIP
Veenu Mehta, K. Tankeshwar, and Hardev S. Saini	2018	Ab-initio study of electronic and magnetic properties of Co-doped Mo ₂ C monolayer	AIP Conference Proceedings ISSN: 1551-7616	1953	pp. 030109;	AIP
Hardev S. Saini, A. K. Pundir, Veena Mehta, Nisha, Poonam Mehra, and Manish K. Kashyap	2018	Investigation of half-metallic ferromagnetism in Ti-doped BeS DMS compound: A promising spintronic material	AIP Conference Proceedings ISSN: 1551-7616	2006	pp. 030019;	AIP
Mukhtiyar Singh, Manish K. Kashyap and Hardev S. Saini	2018	Corroborating the Spin Gapless Character of Ti ₂ MnAl Inverse Heusler Alloy: A study of Strains Effect	Materials Today: Proceedings	5	pp. 15421-15425	AIP
R Rani, R Bhatia	2018	<u>Comment on "Water-processed carbon"</u>	AIP Advances	8 (3)	039101	AIP

		<u>nanotube/graphene hybrids with enhanced field emission properties</u> "[AIP Advances 5, 097130 (2015)]				
V Saikiran, P Bazylewski, I Sameera, Ravi Bhatia, AP Pathak, V Prasad, GS Chang	2018	Electronic excitation induced modifications in elongated iron nanoparticle encapsulated multiwalled carbon nanotubes under ion irradiation	Applied Surface Science	439	823-832	Elsevier
R Bhatia, I Sameera, V Prasad, R Menon	2018	<u>Observation of power-law behavior in temperature dependent conductivity of multiwall carbon nanotube/polystyrene composites</u>	Materials Chemistry and Physics	211	258-263	Elsevier
R Bhatia, K Kumari, R Rani, A Suri, U Pahuja, D Singh	2018	<u>A critical review of experimental results on low temperature charge transport in carbon nanotubes based composites</u>	Reviews in Physics	3	15-25	Elsevier
L Shi, FS Boi, G Xiang, I Sameera, R Bhatia, X Zhang	2019	<u>Defect dependence of electronic transport of multiwall carbon nanotube buckypaper filled with iron-based nanowires</u>	Journal of Applied Physics	126 (7)	075105	AIP
R Rani, R Bhatia	2018	<u>Comment on "Water-processed carbon nanotube/graphene hybrids with enhanced field emission properties"</u> [AIP Advances 5, 097130 (2015)]	AIP Advances	8 (3)	039101	AIP
AM Sirunyan.. R. Dalal et al.,	2018	Precision measurement of the structure of the CMS inner tracking system using nuclear interactions	Journal of Instrumentation	13, P10034 (2018)	43	AM Sirunyan.. R. Dalal et al.,
Wolfgang Adam, T Bergauer,... R.	2018	Test beam demonstration of silicon microstrip	Journal of Instrumentation	13 Issue-3	P03003	Wolfgang Adam, T Bergauer,...

Dalal et al.		modules with transverse momentum discrimination for the future CMS tracking detector	tion			R. Dalal et al.
Geetika Jain, Ranjeet Dalal, Ashutosh Bhardwaj, Kirti Ranjan, Alexander Dierlamm, Frank Hartmann, Robert Eber, Marcel Demarteau	2018	Development of AC-coupled, poly-silicon biased, p-on-n silicon strip detectors in India for HEP experiments	Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	882	1-10	Geetika Jain, Ranjeet Dalal, Ashutosh Bhardwaj, Kirti Ranjan, Alexander Dierlamm, Frank Hartmann, Robert Eber, Marcel Demarteau
M Centis Vignali, R Dalal, M Gallinaro, B Harrop, G Jain, C Lu, M McClish, KT McDonald, M Moll, FM Newcomer, S Otero Ugobono, S White	2018	Characterization of irradiated APDs for picosecond time measurements	Journal of Instrumentation	13 Issue-1	C01041	M Centis Vignali, R Dalal, M Gallinaro, B Harrop, G Jain, C Lu, M McClish, KT McDonald, M Moll, FM Newcomer, S Otero Ugobono, S White
Geetika Jain, Chakresh Jain, Ranjeet Dalal, Ashutosh Bhardwaj, Kirti Ranjan	2018	Study of Trapping Probability in Proton Irradiated Silicon Pad Detectors Using Transient Current Technique Simulations	XXII DAE High Energy Physics Symposium	XXII DAE High Energy Physics Symposium	293-296	Geetika Jain, Chakresh Jain, Ranjeet Dalal, Ashutosh Bhardwaj, Kirti Ranjan

5. Participation of faculty in Seminars / Conferences / Workshops / Refresher Courses etc.:

Total no. of Seminars / Conferences / Workshops etc. attended and papers presented:

Attended			Papers presented		
International	National	Total	International	National	Total
10	12	22	3	13	16

International Seminars / Conferences / Workshops:

Name of Faculty	Title of Paper	Theme of Seminar / Conference	Name of host organisation	Place	Dates
Devendra Mohan	Acted as Technical session chair	International conference on Fiber Optics and Photonics	IIT Delhi	Delhi	Photonics 2018
Sneh Lata Goyal	Study of DC Electrical Properties of Iron oxide doped polyaniline	International Conference on Applied and Basic Science (ICABS), To be published in AIP Proceedings	GDC Memorial College, Bahal Bhiwani, Haryana	GDC Memorial College, Bahal Bhiwani, Haryana	Feb. 7-9, 2019
Sunita Srivastava	Study of Phosphorene based Heterostructures	Energy Trends in Physical Sciences	International Academy of Physical Sciences & Dr. Ram Manohar Lohia Avadh University	Faizabad	April 13-15, 2018
Ajay Shankar	Laser Induced Damages in Multilayer Oxide Thin Film(Invited Talk)	Global Scientific Event on Atomic, Molecular and Optical Physics (GSEAMO-2019)	OSCINE GROUP	Dubai	17-18 June 2019
David Joseph	Optical studies if ruby crystal	AIP Conference Proceedings 2142 , 140007 (2019);	Behl college	Behl	7-9 Feb 2019
David Joseph	Polarization studies of polystyrene polymer colloids	DAE-SSPS 2018 , GJUS&T	GJUS&T, Hisar	Hisar	Dec 2018
Ramesh Kumar	Simulation of perovskite solar cell with graphene material	International workshop & conference on perovskite & hybrid photovoltaic	IIT Delhi	Delhi	Feb, 4-8, 2019
Dr. Vivek Gupta	Attended	International Workshop on Sustainable Energy, Power and Propulsion	NIT, Kurukshetra	Kurukshetra	March 18-22, 2018
Dr. Vivek Gupta	Attended	International School on Ion Beam in Energy Materials	IUAC New Delhi	New Delhi	July 12-18, 2018
Dr. Vivek Gupta	Attended	International School on Ion Beam in Materia Science	IUAC New Delhi	New Delhi	Oct. 3-7, 2018
Total = 10					

National Seminars / Conferences / Workshops:

Name of Faculty	Title of Paper	Theme of Seminar / Conference	Name of host organisation	Place	Dates
Prof. Devendra Mohan		Solid State Physics	DAE-BRNS and GJUST	Hisar	18-22 Dec 2018
Prof. Sujata Sanghi		Solid State Physics	DAE-BRNS and GJUST	Hisar	18-22 Dec 2018
Ashish Agarwal	Investigation of the crystal structure, magnetic properties and dielectric properties of Ho substituted $\text{Bi}_{0.90}\text{La}_{0.10}\text{FeO}_3$ multiferroics	Solid State Physics	DAE-BRNS and GJUST, Hisar	Hisar	18-22 Dec 2018
Sneh Lata Goyal	Facial Synthesis of Polyaniline and its Nanocomposites for Room Temperature Methanol Sensors	63 rd DAE-Solid State Physics Symposium 2018	DAE-BRNS, Govt. of India	GJUS & T, Hisar	Dec. 18-22, 2018
Sunita Srivastava	Commensurate Heterostructures of Phosphorene	Recent Advances in Condensed Matter Physics	Kurukshetra University	Kurukshetra	Oct. 12-13, 2018
Ramesh Kumar	A theoretical study of perovskite material for solar cell application	Recent Advances in Experimental & Theoretical Physics	Central University of Jammu	Jammu	April 17-18, 2018
Ramesh Kumar	A theoretical modelling of CIGS Solar cell	Recent Advances in condensed matter physics	Kurukshetra University Kurukshetra	Kurukshetra	October 12-13, 2018
Ramesh Kumar	Simulation of graphene material as hole transporting layer	DAE Solid State Physics Symposium	Guru Jambheshwar University	Hisar	December 18-22, 2018
Dr. Hardev Singh	Prediction of half metallicity in Ti-doped BeSe: A spintronics material	Solid State Symposium	DAE-BARC	GJUS&T, HISAR	DEC.18-22, 2019
Dr. Hardev Singh	Investigation of Half-Metallic Ferromagnetism in Ti-Doped BeS DMS Compound: A Promising Spintronic Material	National Conference on "Recent Advances in Experimental and Theoretical Physics" (RAETP-2018)	Central University of Jammu, J&K	Jammu	April 17-18, 2018
Ravi Bhatia	<u>Field emission studies of MWCNT-polystyrene composites</u>	DAE_SSPS_2018	GJUST	Hisar	Dec 18-22, 2018
Dr. Vivek Gupta	Attended	Recent Trends in Engg. & Tech. under TEQUIP-III	TEQUIP GJUS&T	Hisar	Feb. 27-28, 2018
Dr. Vivek Gupta	Attended	NSM Workshop on High Performance Computing	KUK	Kurukshetra	4 th March, 2018
Total = 13					

Regional/ State-level Seminars / Conferences / Workshops:

Name of Faculty	Title of Paper	Theme of Seminar / Conference	Name of host organisation	Place	Dates
Total = Nil					

Refresher courses/ Orientation Courses:

Name of Faculty	Title of Refresher Course	Host organisation	Department	University	Place	Dates
Dr David Joseph	Laboratory Research training on Atomic collision	BHU, Atomic spectroscopy Lab	Physics	BHU	Varanasi	18 th June to 8 th July 2018

6. Association with National and State Level Bodies (Teacher-wise details):

(i) Membership of Professional Bodies:

Prof. Devendra Mohan: Indian Laser Association

Prof. Sujata Sanghi: Indian Laser Association, Optical Society of India, Materials Research Society of India

Prof. Ashish Aggarwal: Materials Research Society of India

Prof. Rakesh Dhar: Indian Vacuum Society

Prof. Sneha Lata Goel: Member Current Science Association, Indian Thermal Analysis Society

Prof. Sunita Srivastava: IPA, IAPT

Dr. Vivek Gupta: IAPT, Indian Science Congress Association (ISCA), Vijnana Bharti

(ii) Member of Expert Committees:

Prof. Devendra Mohan: (Board of Studies, Academic Council, Executive Council, Finance Committee, University Court, Dean-Physical Sciences and Technology)

Prof. Sneha Lata Goel: Member selection committee for appointment of Assistant Professor - YMCA Faridabad, Member selection committee for the grant of higher grade under CAS to Assistant Professors-YMCA Faridabad, VC nominee for the selection committee for the teaching post in National College of Education Loharu -CBLU Bhiwani.

(iii) Member of Academic Bodies of the University

Prof. Devendra Mohan: (Dean-Faculty of Physical Sciences CBLU Bhiwani)

Prof. Sneh Lata Goel:

Member Court of GJUS & T, Hisar w.e.f. Feb. 2019 for two years

GJ University Nominee of the Governing Body of Asha Girls College Panihar Chack, Hisar.

Appointed as Chairperson, Women Cell of GJUS & T, Hisar w.e.f. March 2019.

Member Inspection Committee for the Introduction of M.Sc. Physics in D.N. College Hisar

Chaired the session in International Conference held at GDC Memorial College, Bahal, Bhiwani

(iv) Member of Academic Bodies of other institutions:

1. Prof. Sneh Lata Goel:

Member UG BOS of K U Kurukshetra w.e.f. April 2016 for two years till April 2018.

Member Academic council of Haryana Education Board. Bhiwani w.e.f. July 2016 & attended the meetings on 30.8.2017 & 11.6.2018

Member court of Kurukshetra University, Kurukshetra w.e.f. 22-12-2017 vide Haryana Raj Bhawan letter no. HRB-UA-24(2)-2017/10119 dt.22-12-2017 for three years as Chancellor Nominee & attended the meeting of Univ. court on 26.3.2018 & on 29.3.2019.

Member court of Chaudhary Bansi Lal University, Bhiwani vide Haryana Raj Bhawan letter no. HRB-UA-33(1)-2016/3117 dt.19-4-2018 for three years as Chancellor Nominee & attended the meeting on 30th March 2019.

Member court of Bhagat Phool Singh Mahila Vishwavidyalaya, Khanpur Kalan (Sonapat) w.e.f. 22.12.2017 vide Haryana Raj Bhawan letter no. HRB-UA-28(1)-2016/10096 dt.22-12-2017 for three years as Chancellor Nominee & attended the 11th meeting of Univ. court on 26.3.2018.

2. Prof. Sunita Srivastava: Panjab University, MDU Rohtak

7. Detail of Consultancy Work: Nil

Job / Work	Name of agency	Total amount

8. Lectures delivered (other than class):

Type	Faculty	Topic/ Subject	Institution	Dates
Invited talks delivered in refresher courses	Prof. Rakesh Dhar	Physics	University Of Jammu	Jan 2018
	Prof. Sunita Srivastava	08	Kurukshetra University, GJU S&T	
	Dr. Vivek Gupta	Computational models for realisation of Smart Structures	UGC-HRDC HPU Shimla	29 th June, 2018
	Dr. Vivek Gupta	SWAYAM MOOCs: Binding online & offline Indian Education System	UGC-HRDC HPU Hisar	2 nd Feb, 2018
	Dr. Vivek Gupta	Introduction to SWAYAM and MOOCs	UGC-HRDC HPU Hisar	16 th Feb, 2018
	Dr. Vivek Gupta	Research Quality Indicators	UGC-HRDC HPU Hisar	16 th Feb, 2018
Extension lectures				
Any other				

9. Additional duties performed / Positions held in the University:

Srl. No.	Name of Faculty	Additional positions	Duration (from to
1	Prof. Sujata Sanghi	Coordinator, NSS, GJUST	01-12-2015 to 07 June 2019
2	Prof. Sujata Sanghi	Chairperson, Dept. of Physics	01-12-2018 till date
3	Prof. Ashish Agarwal	Director, IQAC, GJUST, Hisar	22-05-2018 till date
4	Prof. Sneha Lata Goyal	Chairperson	01.12. 2015 to 30.9 2018
5	Prof. Sneha Lata Goyal	Chairperson, Women cell	March 2019 to till date, June 2020
6	Dr. Hardev Singh	Warden (Boys Hostel)	March 2017 to till date
7	Dr. Vivek Gupta	Warden (Boys Hostel)	October, 2018
8	Dr. Vivek Gupta	UGC SWAYAM Co-ordinator	May, 2018
9	Dr. Ranjeet	Coordinator of Training and Placement Cell, GJUST	1-1-2018 to 30-6-2019

18-19
19-20

10. Detail of academic activities / professional activities / program organised:

(i) Seminar / Conference / Refresher Course (with title and date):

Prof. Devendra Mohan: Member Local organizing Committee for 63rd DAE-SSPS GJUS&T Hisar, 18-22 December 2018

Prof. Sujata Sanghi: Member Local organizing Committee for 63rd DAE-SSPS, 18-22 December 2018, during the tenure as Chairperson, Department of Physics, GJUS&T, Hisar

Member organizing Committee for Science Conclave 12-13 February 2019 at GJUS&T, Hisar

Prof. Ashish Agarwal:

Member Local organizing Committee for 63rd DAE-SSPS, 18-22 December 2018,

Organising Secretary for Science Conclave 12-13 February 2019 at GJUS&T, Hisar

Prof. Sneha Lata Goel: Member Local organizing Committee for 63rd DAE-SSPS, 18-22 December 2018

Prof. R.S. Kundu: Member Local organizing Committee for 63rd DAE-SSPS GJUS&T Hisar, 18-22 December 2018

Prof. Sunita Srivastava: Organised DAE SSPS- 2018 (Dec.18-21,2018) GJU S&T Hisar

Dr. Ajay Shankar: Member Local organizing Committee for 63rd DAE-SSPS GJUS&T Hisar, 18-22 December 2018

Dr. Ramesh Kumar: Member Local organizing Committee for 63rd DAE-SSPS GJUS&T Hisar, 18-22 December 2018

Dr. Ravi Kumar: Member Local organizing Committee for 63rd DAE-SSPS GJUS&T Hisar, 18-22 December 2018

Dr. Vivek Gupta:

Member Local organizing Committee for 63rd DAE-SSPS GJUS&T Hisar, 18-22 December 2018

Member organizing Committee for Science Conclave 12-13 February 2019 at GJUS&T, Hisar

Organised National Science Day in GJUS&T (26-27 Feb., 2018)

Organised Orientation Workshop on SWAYAM MOOCs in GJUS&T (19th September, 2018)

Dr. Ranjeet: Member Local organizing Committee for 63rd DAE-SSPS GJUS&T Hisar, 18-22 December 2018

(ii) Extension lectures (with resource person and date):

(iii) Student tour / Training program (with dates and place visited):

(iv) Industrial interaction programs (with name of company and date):

One-day educational tour to visit semi-conductor fabrication facilities at Semi-Conductors Lab. at Mohali (Punjab) was conducted by Dr. Vivek Gupta for B.Sc. (Hons.) II year students in Oct., 2018

(v) Any other:

Prof. Sneha Lata Goel:

Five students of M.Sc. (final) Physics have submitted & awarded their projects under my guidance in May 2018.

Three students of M.Sc. (final) Physics have submitted & awarded their projects under my guidance in May 2019.

Evaluated the Ph.D. Thesis of Mr. Sunil Kumar Student of Dr. Pawan Diwan entitled, "Higher Order Moments in Energy Loss Distribution of Energetic Ions in Metallic Foils" & Conducted the Viva-voce exam at UIET, Deptt. of Physics, K U Kurukshetra on 27.4.2018.

Conducted the viva-voce exam of project of M.Sc. Physics students of 4th sem. at Central University of Haryana, Mahendergarh on 12.6.2018.

Evaluated the Ph.D. Thesis of Ms. Meena Devi Student of Dr. Anu Sharma entitled, "Studies on Synthesis and Characterization of Silver and Gold based Nanocomposites of Biopolymers for Optical Sensors" Deptt. of Physics, K U Kurukshetra in May 2019.

11. Awards / Honours received (Give title of award, awarding agency and the date of conferment):

12. Any other important information / achievement:

The prestigious symposium of the country in Solid State Physics, 63rd DAE SSPS was organised by the Department of Physics between Dec.18-21, 2018.

Sneha Lata Goel
Chairperson
Department of Physics
Guru Jambheshwar University
of Sc. & Tech., Hisar-125001