

PG Department of Physics

Research Record (2018-2022)

Sr.No.8: Number of Webinars/Seminars/Conferences attended, Papers Published in conference proceedings, Book Chapters, Research Papers Published in Journals and Refresher Course/Short Term Course Attended, FDP Organized by the Department

Name of Faculty: Dr. Anita Rani

Designation: Assistant Professor Physics

a. Number of Webinars/Seminars/Conferences attended

S. No	Session	Details of Conferences/Seminars/ Webinar attended	Category/Type of Event	Date of Conferences/ Seminars/ Webinar attended
1	2023-24	National Conference on Physics and Chemistry of Materials(NCPCM2023)	National	18-03-2023
2		Chascon-2023	National	12-14,10-2023
3	2021-22	Invited Talk Panjab Agricultural University, An Institute of Agriculture, Bathinda	State/University	26-03-2022
4		NCRTP-2022, Noorul Islam Centre for Higher Education, Thuckalay, Tamil Naidu	National	12-05-2022
5	2020-21	Legal Awareness Programme Organized by GNC, Muktsar	National (Webinar)	10-06-2021
6		Recent Advances in Materials, S.D. College, Chandigarh	International (within country)	01-02-2020
7		Teaching with virtual Labs and Enhancing Computational Skill using Spreadsheets	National (Webinar)	21-22,09,2020
8	2019-20	Challenges of Covid-19 for Economy and Economic policy organised by GNC, Muktsar	International (Webinar)	15-05-2020
9		Academic Leadership: Guiding through Crisis organized by Bibi Sharan Kaur Khalsa College, Chamkor Sahib	National (Webinar)	06-08-2020
10		ERTEP-2019, GNC, Muktsar	National	22-02-2019
11		64th DAES Symposium organized by BARC at IIT Jodhpur	International (within country)	23-12-2019
12		NSAR-2019 organized by Department of Basic Sciences, GNC, Muktsar	National Workshop	09-10,03-2019

13	2018-19	Legal Awareness Programme, Guru Nanak College, Muktsar	National	22-02-2019
14		63rdDAESymposiumorganizedby BARC at GJUS&T, Hisar	International (withincountry)	18-12-2018
15		RTCMS-2018,DAVCollege,Abohar	National	24-01-2018

b. Paper Published in Conference Proceedings

S. No	Authors	Title of the Paper	Name of the Conference/ Proceedings	ISSN/ISBN	Year of Publication
1	K. Kaur, S.Sharma, AnitaRani	Study of effect of Hydrostatic Pressure on Structural, electronic and Magnetic Properties of In _{0.75} Mn _{0.25} P using Density functional theory	Material Today's Proceedings	2214-7853	2020
2	AnitaRani N.K. Pruthi	Emergence of half metallic ferromagnetism in Ga _{1-x} Mn _x As (x=0.25,0.125 and 0.0625)	American Institute of Physics Proceedings	1551-7616	2020
3	S.Kaur, K Kaur, Anita Rani, S.Sharma	Emergence of ferromagnetism in Vanadium doped aluminium phosphide using density functional theory	Materials today's Proceedings	2214-7853	2020
4	K.Kaur, AnitaRani	Study of Effect of Hydrostatic pressure on Structural, Electronic and Magnetic properties of In _{0.75} Cr _{0.25} P	American Institute of Physics Proceedings	1551-7616	2019
5	Anita Rani, N. K. Pruthi	LDA+U Study of ferromagnetism in Ga _{1-x} Mn _x N	American Institute of Physics Proceedings	1551-7616	2019
6	N.K. Pruthi, Anita Rani	Ab-initio Study of II-VI Diluted Magnetic Semiconductor Cd _{0.9375} Mn _{0.0625} Se	American Institute of Physics Proceedings	1551-7616	2019
7	Anita Rani, N.K. Pruthi	Hydrostatic Pressure study of Structural, Electronic and Magnetic Properties of Ga _{0.75} Mn _{0.25} As	American Institute of Physics Proceedings	1551-7616	2019

c. Book Chapters Published

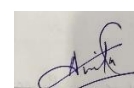
S.No	Title	Author's	Publisher & ISBN Number	Year of Publication
	Nil			

d. Research Paper Published in Journal

S.N.	Author(s)	Title	Name of Journal	Vol	Page	Year
1	Preeti Alhan, Rohilla Dholpuria, Anita Rani, Ranjan Kumar	Effect of strain on the spin-polarization, mechanical and magnetic properties of Co ₂ TiGe heusler alloy: A First Principle Study	Memories - Materials, Devices, Circuits and Systems	4	100046	2023
2	Ranjan Kumar, Anita Rani, Abdullah A. Alshaikhi	Electronic and Magnetic Properties of Cr and V Doped CaZ (Z = S, Se)	Crystals	13	1069	2023
3	Ranjan Kumar, Anita Rani	Ferromagnetism in V and Cr doped ScN Diluted Magnetic Semiconductors in B3 Phase: A DFT Study	Solid State Communications	347	114724	2022
4	Rohilla dholpuria, Anita Rani, Ranjan Kumar	DFT Study of ScP and AlP in B1, B2 and B3 phase at ambient pressure	ECSTransaction	107	2693-704	2022
5	Ranjan Kumar, Anita Rani, N.K. Pruthi	Structural Stability and Magnetism in Cd _{0.875} Mn _{0.125} Z (S, Se)	Applied Physics A	18	1-7	2020
6	Anita Rani, Ranjan Kumar,	Ab-initio study of (Ga,Cr)N and (Ga,Mn)N DMSs: under hydrostatic pressure	Material Research Express	5	036104	2018

e. Refresher Course/Short Term Course/FDP Attended

S.N	Nature of Training	Duration	Organization where training was provided	Year
1	Faculty Development Programme	1 week (12-18/5/23)	Parul University-Gujarat	2023
2	Faculty Development Programme on Teaching and Research Practices	01 Week (5-10/06/23)	Jaypee University of IT, Wazirpur, H.P.	2023
3	FDP-Moderen Strategies in Physics Research: Ensuring Sustainable Development	One Week (28-06-22 to 2-07-22)	SGT University, Gurugram, Delhi	2022
4	FDP-Online Teaching and Learning in India	One Week 17-22, June, 2020	Guru Angad Dev Teaching Learning Centre: A Centre of MHRD under PMMMNMTT	2020
5	FDP-Development of Careers in Higher Education in India in 21 st Century	One Week 23-27, June, 2020	Guru Angad Dev Teaching Learning Centre: A Centre of MHRD under PMMMNMTT	2020
6	National Workshop on Curriculum Design and Development	10 days 21-31-July, 2020	Central University of Punjab, Bathinda	2020
7	FDP-On Innovative Teaching Learning Methodology	One Week 06-10, July, 2020	Coimbatore Institute of Technology	2020
8	FDP-Research Development in Material Behaviour, Processing, Characterization Techniques	One Week 9-14, June, 2020	Indian Institute of Metal, Mathura Chapter and Panjab University, Chandigarh	2020



Signature

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Sr.No.8: Number of Webinars/Seminars/Conferences attended, Papers Published in conference proceedings, Book Chapters, Research Papers Published in Journals and Refresher Course/Short Term Course Attended, FDP Organized by the Department

Name of Faculty: Ms. Rajveer Kaur

Designation: Assistant Professor in Physics

a. Number of Webinars/Seminars/Conferences attended

S. No	Session	Detail of Conferences/Seminars/ Webinar attended	Category/Type of Event	Date of Conferences/Seminars/ Webinar attended
1.	2018-19	Two days BRNS-IANCAS National Workshop on Nuclear Sciences and Applications of Radioisotopes (NSAR-2019) conducted jointly by IANCAS & Guru Nanak College for Girls, Sri Muktsar Sahib	National Workshop	March 09-10, 2019
2.		ERTEP-2019 On Experimental High Energy Physics Analysis” held at Guru Nanak College for Girls, Sri Muktsar Sahib	National Seminar	22 nd February, 2019
3.	2019-20	Participated in state-level Seminar on School Education in National Education Policy-2019 held at Guru Nanak College for Girls, Sri Muktsar Sahib	State-Level Seminar	26 th November, 2019
4.		Participated in One day National Seminar on Legal Awareness organized by Internal Complaint Committee & Extension Activities Committee, Guru Nanak College for Girls, Sri Muktsar Sahib on	National Seminar	26 th February, 2020.
5.	2020-21	Participated in National Webinar on Conservation of Plant Biodiversity organized by Department of Basic Sciences, Guru Nanak College, Sri Muktsar Sahib	National Webinar	20 th May, 2021

6.		Participated in Legal Awareness Programme jointly organized by Legal Literacy Club & Extension Activities Committee of College in Collaboration with District Legal Services Authority, Sri Muktsar Sahib	Seminar	10 th June, 2021
7.		One-Day National Webinar on Martyrs Day jointly organized by Department of Basic Sciences & Legal Literacy Cell, Guru Nanak College, Sri Muktsar Sahib	National Webinar	23 rd March, 2021
8.	2021-22	International webinar on Reproductive choice of women: A fundamental right jointly organised by department of Basic Sciences & English	International webinar	11 th December, 2021
9.		Two-day National Webinar on Recent Advances in Science & its applications held on March 25-26, 2022 sponsored by DBT under Star College Scheme of DBT	National Webinar	25-26 th March, 2022
10.	2022-23	Participated in one-day Seminar Jointly organised by Legal Literacy Club and Extension Activities Committee of Guru Nanak College in collaboration with CDC, Panjab University Chandigarh	Seminar	13 th Feb, 2023
11.		Participated in one-day workshop on Elucidation of Chemical Structures & Quantification of Crystalline Phase formation Organised by Divisions of Physics and Chemistry, School of Advanced Sciences at Vellore Institute of Technology, Chennai	Workshop	6 th June, 2023

b. Paper Published in Conference Proceedings

S. No	Authors	Title of the Paper	Name of the Conference/Proceedings	ISSN/ISBN	Year of Publication
		nil			

c. Book Chapters Published

S.No	Title	Author's	Publisher & ISBN Number	Year of Publication
1.	Nuclear Technology: A boon to Society	Ms. Rajveer Kaur	Chandigarh: New Era International Imprint 978-81-290-0251-8	2022
2.	Staggering Impact of Covid-19 on Global Education	Ms. Rajveer Kaur	Delhi: Gyan Publishing House 9788121220460	2021

d. Research Paper Published in Journal

S.N.	Author(s)	Title	Name of Journal	Vol	Page	Year
1.		nil				
2.						

e. Refresher Course/Short Term Course/FDP attended

S.No.	Nature of Training	Duration	Organization where training was provided	Year
1.	Refresher Course in Experimental Physics	18 th December, 2017- 2 nd January, 2018	Panjab University, Chandigarh	2018

2.	Faculty Induction Programme-02	28 th May, 2019 to 26 th June, 2019	GNDU, Sri Amritsar	2019
3.	One week Online National FDPON E-content&ICTTools for Innovative & Effective Teaching	15 th July to 21 st July, 2020	KS Jain Institute of Engineering & Technology, Modinagar, Ghaziabad	2020
4.	One day FDP on A framework to develop massive open online course	18 th June, 2021	ICT Cell of Guru Nanak College, Sri Muktsar Sahib	2021
5.	One week online FDP On Modern Strategies in Physics Research: Ensuring Sustainable Development	28 th June to 2 nd July, 2022	Department of Physics, SGT University, Gurugram, Delhi	2022
6.	Five-Day online FDP on Theoretical & Experimental Physics	29 th May to 2 nd June, 2023	School of Advanced Sciences & G.T.N. Arts College, Dindigulon	2023

Rajveer Kaur

Signature

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Name of Faculty: Ms Gaganjot Kaur

Designation: Assistant Professor in Physics

a. Number of Webinars/Seminars/Conferences attended

S. No	Session	Details of Conferences/Seminars/ Webinar attended	Category/Type of Event	Date of Conferences/Seminars/ Webinar attended
1	2018-19	Nationalseminaron EmergingResearchtrends in Experimental	National	22nd Feb.2019
		Workshop on Nuclear SciencesandApplications of Radioisotopes.	National	9-10March2019
2	2019-20	OneDayNational SeminaronLegal Awareness	National	26thFeb.2020
3	2020-21	nil		
4	2021-22	RecentAdvancesin Scienceandits Applications	National	25-26thMarch2022
		IntegratedApproach in scienceandtechnology for sustainable Future	National	15-17march2022
5	2022-23	One–weekhandson training worshop on physicsprojects	National	19-24sept2023
		Extensionlectureon particlephysics	National	06march2023
		Oneweek training programonCandC++	National	10-15march2023
		Onedayseminaron laser applications	National	30 jan 2023
		OneDayworkshopon GM counter	National	25feb2023
		OneDayworkshopon	National	7march23

		CROandDSO		
		OneweekHands–on minds on physics workshop	National	24-29march2023

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Name of Faculty: Ms Sandeep Kaur

Designation: Assistant Professor in Physics

a. Number of Webinars/Seminars/Conferences attended

S.No	Session	Details of Conferences/Seminars/ Webinarattended	Category/Type of Event	Date of Conferences/Seminars/ Webinarattended
1	2018-19	nil		
2	2019-20	nil		
3	2020-21	Reproductive choice of women;AFundamental Right	International webinar	11-12-2021
4	2021-22	RecentAdvancesin Science and its Applications	National	25-26thMarch 2022
		IntegratedApproachin scienceandtechnology forsustainableFuture	National	15-17march2022
5	2022-23	One–weekhandson training worshop on physicsprojects	National	19-24 sept2023
		Extensionlectureon particlephysics	National	06march2023
		Oneweek training programonCandC++	National	10-15march2023
		Onedayseminaron laserapplications	National	30 jan2023
		One Dayworkshopon GMcounter	National	25feb2023
		One Dayworkshopon CROandDSO	National	7march 23
		OneweekHands–on mindsonphysics workshop	National	24-29march2023