Multanimal Modi College

Modinagar-201204 (U.P.)

(Affiliated to Ch. Charan Singh University, Meerut)

(For Teaching Staff)

Title	DR.	AMAN PAL	LastName	SINGH	
Designation		Assistant Professor			
Department		Physics			
Address(Campus/Department)		Department of Physics			
(Residence)		6, Professors Lodge Near NCC Office Modinagar Ghaziabad UP 201204			
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Email		dramanpal.singh23@gmail.com			

EDUCATIONAL QUALIFICATIONS

Subject	Institution	Year	Details
Ph.D.	GurukulaKangriVishwavidyalaya, Hardwar	2009	Awarded
M.Phil.	I.I.T. Roorkee (Formerly University of Roorkee)	1997	Awarded
M.Sc.	C.C.S. University Meerut	1996	Passed with First Division
B.Sc.	Meerut College Meerut	1994	Passed with Second Division

CAREERPROFILE

Organisation/ Institution	Designation	Duration	Role(s)
Multanimal Modi College Modinagar	Associate Professor	07/02/2009 TO Till now	

ResearchInterests/Specialization:

Condensed Matter Physics

TeachingExperience(Subjects/CoursesTaught):10 years

14 years UG and PG teaching experience in M M College Modinagar.
PG courses are; ClassicalMechanics , Atomic and Molecular Physics and Special Paper ElectronicsI& III.

Orientation Courses/Refresher Courses/FDP:

WORKSHOP	**ASC, AMU, ALIGARH**	**11/12/2020 to 17/12/2020**	**E-CONTENTS AND ONLINE PEDAGOGY**
WORKSHOP	**ASC, CPHE, NEW DELHI**	**19/01/2021 TO 25/01/2021**	**LEADERSHIP DEVELOPMENT PROGRAMME**
Refresher Course	**Academic Staff College, Jawaharlal Nehru University, New Delhi**	**05/10/2015 TO 30/10/2015**	**PHYSICS**
Orientation Course	**Academic Staff College, Aligarh Muslim University, ALIGARH**	**22/02/2013 YO 21/03/2013**	**CXXIV-ORIENTATION PROGRAMME**

Honors&Awards:

Publications LastFIVE (05) YearPublications,

Year Of Publication	Title	Journal/Book(s)	Co-Author(s)
2016	Structural, Optical and Electronic Properties of Hydrogenated Amorphous Silicon Thin Films Page no. 115-120	UGC Care List	Sanjay Kumar, Vakul Bansal, **A P Singh**
2017	Raman Scattering in High Temperature Superconductors, Page no. 1502-1508	UGC Care List	**A P Singh,** Yogendra Kumar, Sanjay Kumar
2017	Study of Structural and Electronic Properties of CeZn , Page no. 675-67	UGC Care List	Sanjay Kumar, **A P Singh,** Satyendra Kumar **G**autam

2017	Efficient Synthesis of CdSe QDs Using Cadmium Acetate Precursor Page no. 1-5	UGC Care List	**A P Singh**

ConferencePresentations: National / International

TotalPublicationProfile:08 published in international journals.

Books

S. No.	Title of Book	Publisher	Year of Publication	ISBN No.	Main Author	No. of Co-authors
1.	The DBS Handbook of Thermodynamics	19, DBS Building Ansari Road Daryaganj New Delhi 110002 India	2019	978-93-86648-11-2	A P Singh	NIL
2.	Modern Optics	Thakur Publication Pvt. Ltd. , Lucknow	2022	978-93-5480-566-0	A P Singh	3

Publications inIndexed/Peer ReviewedJournals:

1. **A.P.Singh**, Dimri, A.Kr., Indu, B.D., Kumar, R.,& Vats, R.P., *Anharmonic Phonon-Electron Problem in High Temperature Superconductors, Indian J. of Engg. & Materials Sci.* **8** (2001) 219
2. **A.P.Singh***Enhancement in the Phonon Density of States due to Electron-Phonon Interactions in anAnharmonic CrystalJournal of Scientific & Applied Research* , 110-114(2011)
3. **A.P.Singh***Raman Intensity in High Temperature SuperconductorsJournal of Scientific & Applied Research* 1-10(2013)
4. **A.P.Singh** and Rajendra Kumar, *Study of Josephson current in a Double quantum dot system, Journal of Scientific & Applied Research* 14-19(2013).
5. **A.P.Singh, Electron density of State in High Temperature Superconductors, *International Journal of Scientific Research in Science and Technology, 733(5)2014.***
6. **A.P.Singh, Infrared Absorption of High Temperature Superconductors. *International Journal of Scientific Research in Science and Technology*1306-1316 (5)*2014.***
7. **A.P.Singh, Theory of Electronic Raman Scattering in High Temperature Superconductors, *International Journal of Advance Research*1-14 (2) 2014.**
8. **A.P.Singh, Structural, Optical and Electronic Properties of Hydrogenated Amorphous Silicon Thin Films, *Research Journal of Recent Sciences,* 1-5 (5) 2016.**
9. **Sanjay Kumar, A.P.Singh, and Satyendra Kumar GautamStudy of Structural and Electronic Properties of CeZn2, *International Journal of Scientific Research in Science and Technology*, 675 (3) 2017.**

10. **A.P.Singh, Yogendra Kumar Sanjay Kumar Efficient Synthesis of CdSe QDs Using Cadmium Acetate Precursor, *International Journal of Scientific Research in Science and Technology*, 675 (3) 2017.**
11. **A.P.Singh, Nitin P.Singh, Role of anharmonicityin the phonon density of states of high temperature superconductors, *Materials Today: Proceedings.***

PublicService/UniversityService/ConsultingActivity

ProfessionalSocietiesMemberships

Projects(MajorGrants/Collaborations)

Submitted

Name(s) & Number(s) of PhD Students Supervised with year:

S.No.	Name of Ph.D Scholar	Date of Registration	Status	Title of Thesis
	Yogendra Kumar	25/08/2018	Pursuing	Optical and Electrical Properties of High Temperature Superconductors
	Sanjay Kumar	30/11/2019	Pursuing	Study the Josephson Current for Single and Double Coupled Quantum Dots Superconducting Leads
	Brijesh Kumar	20/09/2019	Pursuing	Role of Anharmonicity In The Phonon and Electron Density of States of High Temperature Superconductors
	Chitralekha	17/08/2020	Pursuing	Synthesis and Characterization of Multi Ferroic Ferides Based Systems for Various Devices Application
	Ravindra Kumar	22/07/2022	Pursuing	Role of Cooper Pair in Anharmoncity Crystal

(SignatureofFacultyMember) (Signature&StampofTeacher In-Charge/Principal)