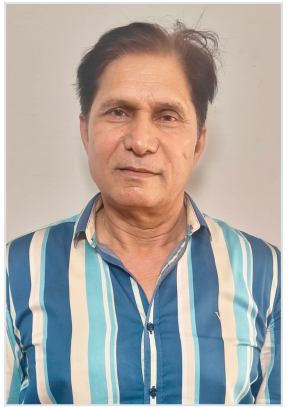
SamarthGov

Title	Mr.	**First Name**	Lavkush	**Last Name**	Kumar
Designation	Associate Professor				
Department	P.N.G.GOVT.P.G.COLLEGE RAMNAGAR (NAINITAL)				
Email	gdcbhikiyasain@gmail.com				
Webpage					
Phone.no	9458160222				



Employement Info		
Employee Type	**Nature Of Employment**	
Teaching	Permanent	
Educational Qualifications		
Degree/Certification Name	**Institution**	**Year of Completion**
Ph.D. - Doctorate in philosophy Physics	Kumaun University	2025
M.Phil.	Meerut university	1992
PG	Meerut Universithy	1986
UG	Meerut university	1983
HSC	UP board	1981
SSC	UP board	1979
Teaching Experience (Within Institution)		
Designation	**Duration**	
ASSOCIATE PROFESSOR	01-12-2011 To 15-09-2018 (6 years, 9 months, 14 days)	
ASSOCIATE PROFESSOR	16-09-2018 To 27-07-2024 (5 years, 10 months, 11 days)	
ASSISTANT PROFESSOR	01-05-1997 To 02-10-2011 (14 years, 5 months, 1 days)	
ASSOCIATE PROFESSOR	Presently Working since 28-07-2024 (2 years, 3 months, 15 days)	

ASSISTANT PROFESSOR	03-10-2011 To 30-11-2011 (1 months, 27 days)

Administrative Experience (Within Institution)

Designation	Duration
Associate Professor	Presently Working since 01-07-2024 (2 years, 4 months, 11 days)
Associate Professor	Presently Working since 01-07-2025 (1 years, 4 months, 11 days)
Associate Professor	Presently Working since 01-07-2025 (1 years, 4 months, 11 days)
Associate Professor	Presently Working since 01-07-2025 (1 years, 4 months, 11 days)
Associate Professor	Presently Working since 01-07-2020 (6 years, 4 months, 11 days)
Associate Professor	Presently Working since 01-07-2025 (1 years, 4 months, 11 days)
Associate Professor	Presently Working since 01-07-2025 (1 years, 4 months, 11 days)
Associate Professor	15-03-2023 To 27-07-2024 (1 years, 4 months, 12 days)
Associate Professor	03-05-2024 To 06-05-2024 (3 days)

Courses/Subjects Taught

Teaching Activity Type	Course Title	Semester	Total Assigned Classes	Number of Classes Taught	Duration
Lecture	MSC/Advance Electronics,Electrodynamics	3	84	78	01-07-2022 To 30-06-2023 (11 months, 29 days)
Practical	Practical	4	86	80	01-07-2022 To 30-06-2023 (11 months, 29 days)
Lecture	Mathematical Physics Mechanics, Quantam Mechanics	1	36	28	01-07-2022 To 30-06-2023 (11 months, 29 days)
Practical	MSC	3	18	14	01-07-2022 To 30-06-2023 (11 months, 29 days)
Lecture	Quantam Mechanics	5	48	40	01-07-2022 To 30-06-2023 (11 months, 29 days)
Lecture	Cosmology, condensed matter physics	2	36	28	01-07-2022 To 30-06-2023 (11 months, 29 days)
Lecture	MSC/Advance Electronics	4	18	16	01-07-2022 To 30-06-2023 (11 months, 29 days)
Practical	MSC	4	18	16	01-07-2022 To 30-06-2023 (11 months, 29 days)
Lecture	B.Sc.	1			01-07-2023 To 31-12-2023 (5 months, 30 days)
Lecture	MSC	3	30	26	01-07-2024 To 30-11-2024 (4 months, 29 days)
Lecture	BSC	4	56	50	02-12-2024 To 30-04-2025 (4 months, 28 days)
Lecture	MSC	3	86	78	01-07-2024 To 30-11-2024 (4 months, 29 days)
Practical	BSC	4	56	50	02-12-2024 To 30-04-2025 (4 months, 28 days)
Lecture	MSC	4	30	28	02-12-2024 To 30-04-2025 (4 months, 28 days)
Practical	BSC	3	56	52	01-07-2024 To 30-11-2024 (4 months, 29 days)
Lecture	MSC	4	30	28	02-12-2024 To 30-04-2025 (4 months, 28 days)
Lecture	MSC	2	48	44	02-12-2024 To 30-04-2025 (4 months, 28 days)
Lecture	MSC	4	56	52	02-12-2024 To 30-04-2025 (4 months, 28 days)
Lecture	MSC	2	48	40	02-12-2024 To 30-04-2025 (4 months, 28 days)
Lecture	MSC	1	48	40	01-07-2024 To 30-11-2024 (4 months, 29 days)
Lecture	MSC	1	48	44	01-07-2024 To 30-11-2024 (4 months, 29 days)
Lecture	BSC	3	56	50	01-07-2024 To 30-11-2024 (4 months, 29 days)

Research Supervision Overview

PhD Scholars Supervised	PhD Degrees Awarded	Theses Submitted

M.Phil Scholars Supervised	M.Phil Degrees Awarded	M.Phil Theses Submitted
0	26	0

Research Publications

Title of Article	Type of Publication	Name of Journal	ISSN	Journal Volume	Year	Link to Article	DOI (Digital Object Identifier)
synthesis and optical characterization of zinc oxide (Zno) thin films	Research Papers in Peer Reviewed Journals	Proceedings	978-93-91535-99-5		2024		
Indium tin oxide conducting effect on dielectric spectroscopy without biasing voltage in liquid crystal mixture	Research Papers in Scopus Listed Journals	Dizhen Dizhi journal	0253-4967	16	2024		
The physics of dark matter : studying O-Helium cosmology and the search for hidden matter in the universe	Research Papers in Peer Reviewed Journals	International journal of physics and application	2664-7583	6	2024	https://www.physicsjournal.in/archives/2024/vol6issue1/PartB/8-1-86-244.pdf	https://doi.org/10.33545/26647575.2024.v6.i1b.297
Superconductors and their applications: understanding classification, Ginzburg - l.andau interpretation and technological significance	Research Papers in Peer Reviewed Journals	International journal of physics and application	2664-7583	5	2023	https://www.physicsjournal.in/archives/2023.v5.i2.A.296/superconductors-and-their-applications-understanding-classification-ginzburgndashlandau-interpretation-and-technological-significance	https://doi.org/10.33545/26647575.2023.v5.i2a.296
ROLE OF SOLAR MAGNETIC FIELD REVERSAL IN SOLAR CYCLE DYNAMICS	Research Papers in Peer Reviewed Journals	International Journal of Advanced Research in Engineering Technology & Science	2394-2819	10	2023		
A study of solar cells and future of renewable energy	Research Papers in Peer Reviewed Journals	International journal of physics and application	2664-7583	5	2023	https://www.physicsjournal.in/archives/2023.v5.i1.B.295/a-study-of-solar-cells-and-the-future-of-renewable-energy	https://doi.org/10.1063/5.0061278
Effect of adsorption of metal ion by low cost activated carbons	Research Papers in Peer Reviewed Journals	Innovation the research concept	2456-5474	8			
ANALYSIS OF SOLAR CYCLE VARIABILITY AND ITS IMPACT ON EARTH'S CLIMATE	Research Papers in Peer Reviewed Journals	International Journal of Advanced Research in Engineering Technology & Science	2394-2819	9	2022		
Black holes and event horizon: An understanding of theoretical frameworks and experimental models	Research Papers in Peer Reviewed Journals	International journal of physics and application	2664-7583	4	2022	https://www.physicsjournal.in/archives/2022.v4.i2.A	https://www.doi.org/10.33545/26647575.2022.v4.i2a.294
ON SOLAR SOURCES OF GEOMAGNETIC STORMS OF SOLAR CYCLE 23 AND THEIR RELATION WITH CMEs	Research Papers in Scopus Listed Journals	AIP CONFERENCE PROCEEDINGS	978-0-7354-4121-7	2369	2021	https://pubs.aip.org/aip/acp/article-abstract/2369/1/020138/669541/On-solar-sources-of-geomagnetic-storms-of-solar?redirectedFrom=fulltext	
Distribution of CMEs on the basis of angular width and comparison of their properties in solar cylces 23 and 24	Research Papers in Peer Reviewed Journals	international journal of research in economics and social science	2249-7382	9			
On the arrival times of halo coronal mass ejections in the vicinity of the earth	Research Papers in Peer Reviewed Journals	International journal of research in economics and social science	2249-7382	12	2018		

Low frequency type II radio bursts from CMEs related solar flares	Research Papers in Peer Reviewed Journals	Journal of emerging technologies and innovative research	2349-5162	5	2018
Magnesium nickle ferrite nanoparticles structural magnetic and elastic properties as a function of annealing temperature	Research Papers in Peer Reviewed Journals	International journal of education and science research review	2348-6457	4	2017
COFE204 and NIFE204 Film growth and the influence of the magnetic fiels	Research Papers in Peer Reviewed Journals	International journal of engineering research and mangament technology	2348-4039	3	2016
On statistical properties of CMEs associated with prominence eruption	Research Papers in Peer Reviewed Journals	journal of emerging technologies and innovative research	2349-5162	3	2016
Comparative analysis of thermo-elastic properties of zinc oxide nanomaterials at high temperature	Research Papers in Peer Reviewed Journals	International journal of advance research in science and engineering	2319-8354	3	2014
EFFECT OF ZINC OXIDE AND SILVER NANOPARTICLES IN BIOLOGICAL SYSTEM	Research Papers in Peer Reviewed Journals	International Journal of Advanced Research in Engineering Technology & Science	2394-2819	1	2014
SYNTHESIS OF METAL NANOPARTICLES AND THEIR APPLICATION	Research Papers in Peer Reviewed Journals	International Journal of Advanced Research in Engineering Technology & Science	2394-2819	1	2014
Band Gap measurement aAs sintered film from reflection spectra	Research Papers in Peer Reviewed Journals	International journal of engineering and management research	2394-6962	1	
I-V characteristic of GaAs sintered film	Research Papers in Peer Reviewed Journals	International journal of engineering and management research	2250-0758	1	

Non-Journal Publications

Title of Publication	Type of Publication	Publisher	Role in Publication	ISBN	Year	Link to Publication	Level
CSA PUBLISHERS AND DISTRIBUTORS	Text/Reference/Subject Books/Other	CSA PUBLISHERS AND DISTRIBUTERS	Author	978-81-686916-2-9	2025		National
Quantum mechanics	Text/Reference/Subject Books/Other	Xoffencer Publication shodh india	Author	ISBN-978-93-97707-46-7	2023		National

Professional development programmes

Programme Title	Sponsoring Institution	Organizing Institution	Role	Type of Programme
ORIENTATION PROGRAM	UGC	UGC-ASC ALLAHABAD UNIV	Attendee	Orientation Programme
INTERDISCIPLINARY REFRESHER COURSE IN WEST ASIAN STUDIES	JAMIA MILIA ISLAMIA	JAMIA MILIA ISLAMIA	Attendee	Refresher Program
REFRESHER COURSE IN PHYSICS	UGC	UGC-ASC JNU	Attendee	Refresher Program
SHORT-TERM COURSE IN SOFT SKILLS & CREATIVE WRITING	UGC	UGC-HRDC GND UNIV AMRITSAR	Attendee	Short Term Program
REFRESHER COURSE IN PHYSICS	UGC	UGC-ASC LU	Attendee	Refresher Program

Talk Poster Presented

Name of the Activity	Role	Date of Activity

		Speaker	16-03-2024
		Speaker	12-03-2015

Seminar / Conference Details / Workshops

Type of Activity	Name of The Event	Role	Duration
	Sustainability in health and well being:Prospect, Issues and Challenges	Seminars	18-03-2023 To 19-03-2023 (1 days)
	3rd INTERNATIONAL MULTIDISCIPLINARY CONFERENCE ON RECENT INNOVATIONS IN SCIENCE ENGINEERING ,MANAGEMENT AND HUMANITIES	Conference	25-10-2024 To 26-10-2024 (1 days)
	NATIONAL CONFERENCE ON PHYSICS AND CHEMISTRY OF MATERIALS	Conference	14-12-2020 To 16-12-2020 (2 days)
	International Conference on Recent Advances in Science,Engineering,Technology and Management	Conference	22-03-2024 To 23-03-2024 (1 days)
	NATIONAL CONFERENCE ON EMERGING TRENDS IN ENGINEERING & TECHNOLOGY	Conference	17-04-2025 To 17-04-2025 (1 day)
	INTERNATIONAL CONFERENCE ASEM-2024	Conference	08-12-2024 To 08-12-2024 (1 day)
	NATIONAL CONFERENCE ON MULTIDISCIPLINARY APPROACHES IN ENGINNERING, SCIENCE AND MANAGEMENT	Conference	24-02-2023 To 25-02-2023 (1 days)
	International Conference on Recent Trends in Engineering and Technology	Conference	08-12-2023 To 09-12-2023 (1 days)
	INTERNATION E-CONFERENCE ON INNOVATION AND RECENT TRENDS IN SCIENCE,TECHNOLGY AND MANAGEMENT 2022	Conference	30-08-2022 To 31-08-2022 (1 days)