



# Kirori Mal College

(University of Delhi)

University of Delhi, Delhi-110007

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## 1. Personal Profile

Title: **Dr.** First Name: **PRACHI** Last Name: **YADAV**

Designation: **ASSISTANT PROFESSOR** Mobile No. **9650430299**

Phone No. (Office) ----- Phone No. (Residence): -----

Email: **prachiphysics@kmc.du.ac.in** Webpage: -----

Facebook: ----- Twitter: -----

LinkedIn: ----- Instagram: -----

Youtube: ----- Research Gate Link: -----

Google Scholar Link: -----

Address: -----



## 2. Educational Qualifications

Degree/ Certification	Institution	Year
10th	U.P. Board, Allahabad	1999
12th	U.P. Board, Allahabad	2001
B.Sc.	Meerut College, Meerut	2004
M.Sc.	D.N. College, Meerut	2006
NET	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	2007
M.Tech.	G.G.S.I.P University, Delhi	2009
Ph.D.	Amity Institute of Applied Sciences, AMITY University, NOIDA	2020

## 3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
CAREER PROFILE	ASSISTANT PROFESSOR	PHYSICS Kirori Mal College University of Delhi	19.Sep.2012 - Till date	

ADMINISTRATIVE ASSIGNMENTS	MEMBER	SPORTS COUNCIL Kirori Mal College University of Delhi	01.Jul.2023 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	PROCTOR & DISCIPLINE COMMITTEE Kirori Mal College	01.Aug.2023 - 30.Jun.2024	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	PROCTOR & DISCIPLINE COMMITTEE Kirori Mal College	01.Jul.2023 - Till date	

#### 4. Other Profiles

##### Other Profile Name/ Description

MOOCS/ SWAYAM-NPTEL/ OTHER ONLINE COURSES COMPLETED WITH CERTIFICATION

##### SUBJECTS TAUGHT

Solid State Physics : Theory Paper

Mathematical Physics Lab: Python Platform

#### 5. Research Guidance

Year	Guide For	Title of the Dissertation/ Thesis	Scholar Name	Status
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#### 6. Research Projects

Year	Title of Project	Sponsorship Agency	Duration	Amount Sanctioned	Date of Sanction
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#### 7. Publications

Category	Publication Name	Title	Name of Author	Reference Link/ DOI Link	Publication (Month-Year)
JOURNAL PAPER (International)	Tailoring of complex permittivity, permeability, and microwave-absorbing properties of CoFe <sub>2</sub> O <sub>4</sub> /NG/PMMA nanocomposites through swift heavy ions irradiation	Ceramics International/Elsevier	Prachi Yadav (First Author)	<a href="https://doi.org/10.1016/j.ceramint.2019.08.265">https://doi.org/10.1016/j.ceramint.2019.08.265</a>	January 2020

JOURNAL PAPER (International)	Swift heavy-ions irradiated nano-magnetite/exfoliated-nanographite/ polymethylmethacrylate nanocomposites with excellent microwave absorption performance	Materials Letters/Elsevier	Prachi Yadav (First Author)	<a href="https://doi.org/10.1016/j.matlet.2019.06.053">https://doi.org/10.1016/j.matlet.2019.06.053</a>	June 2019
JOURNAL PAPER (International)	Cost effective Fe/NG/PMMA nanocomposites for high-performance microwave absorbing applications	Materials Research Express/IOP Publishing	Prachi Yadav (First Author)	10.1088/2053-1591/aae01a	November 2018
JOURNAL PAPER (International)	Cost efficient PMMA/NG nanocomposites for electromagnetic interference shielding applications	Materials Research Express/IOP Publishing	Prachi Yadav (First Author)	10.1088/2053-1591/aa701d	June 2017
CHAPTER (International)	Structural and Optical Properties of Chalcogenide WS <sub>2</sub> Thin Film	Springer Nature	Prachi Yadav (Joint Author)	<a href="https://doi.org/10.1007/978-981-99-6766-7_24">https://doi.org/10.1007/978-981-99-6766-7_24</a>	November 2023
RESEARCH PAPERS (International)	Synthesis of core-shell NiO/BFO nanocomposites for microwave absorbing applications	Ceramics International/Elsevier	Prachi Yadav (Joint Author)	<a href="https://doi.org/10.1016/j.ceramint.2024.01.074">https://doi.org/10.1016/j.ceramint.2024.01.074</a>	January 2024

## 8. Books

Category	Book Name	Title	Name of Author	ISSN/ ISBN Number
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## 9. Faculty Achievements

Year	Category of Achievement	Role	National/ International etc.	Name	Date From-To
2020	FACULTY DEVELOPMENT PROGRAM ATTENDED	ASSISTANT PROFESSOR	National	ICT ENABLED TEACHING LEARNING	07.Sep.2020 - 13.Sep.2020
2020	FACULTY DEVELOPMENT PROGRAM ATTENDED	ASSISTANT PROFESSOR	National	ICT Based New Paradigms of E-Teaching and E-Learning : Digital Pedagogy	15.Sep.2020 - 30.Sep.2020
2020	FACULTY DEVELOPMENT PROGRAM ATTENDED	ASSISTANT PROFESSOR	National	ADVANCED PEDAGOGICAL TECHNIQUES	29.Oct.2020 - 05.Nov.2020

2020	FACULTY INDUCTION PROGRAM ATTENDED	ASSISTANT PROFESSOR	National	Faculty in Universities/Colleges/Institutes of Higher Education	10.Nov.2020 - 09.Dec.2020
2022	FACULTY INDUCTION PROGRAM ATTENDED	ASSISTANT PROFESSOR	National	Faculty in Universities/Colleges/Institutes of Higher Education	20.Oct.2020 - 18.Nov.2020
2022	REFRESHER COURSE ATTENDED	ASSISTANT PROFESSOR	National	Managing Online Classes & Co-creating MOOCS 21.0	07.Dec.2022 - 21.Dec.2022
2021	FACULTY DEVELOPMENT PROGRAM ATTENDED	ASSISTANT PROFESSOR	National	Programming in Python	06.Dec.2021 - 10.Dec.2021
2015	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	ASSISTANT PROFESSOR	National	Electromagnetic Interference Shielding Effectiveness of PMMA/Expanded Graphite Nanocomposites	08.May.2015 - 10.May.2015
2016	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	ASSISTANT PROFESSOR	International	poster presentation in the International Conference on Materials Science & Technology	01.Mar.2016 - 04.Mar.2016
2017	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	ASSISTANT PROFESSOR	International	Enhanced Microwave Absorbing Properties of Fe-NG-Polymer Nanocomposites in 2-18 GHz frequency Range	11.Jun.2017 - 11.Jun.2017
2018	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	ASSISTANT PROFESSOR	International	Microwave absorbing properties of melt blended nanographite-nano iron-PMMA nanocomposites"	18.Jun.2018 - 22.Jun.2018
2023	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	ASSISTANT PROFESSOR	International	AFMD-2023	13.Mar.2023 - 15.Mar.2023
2023	REFRESHER COURSE ATTENDED	ASSISTANT PROFESSOR	National	ADVANCED RESEARCH METHODOLOGY"	21.Nov.2023 - 05.Dec.2023
2024	FACULTY INDUCTION PROGRAM ATTENDED	ASSISTANT PROFESSOR	National	NEP 2020 ORIENTATION & SENSITIZATION PROGRAMME	07.May.2024 - 16.May.2024
2023	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PAPER PRESENTER	International	Advanced Functional Materials and Devices" (AFMD-2023)	13.Mar.2023 - 15.Mar.2023

**Dr. PRACHI YADAV**