



# Kirori Mal College

(University of Delhi)

University of Delhi, Delhi-110007

(Phone No. - 011-7121 9084 : Email - principal@kmc.du.ac.in)



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## 1. Personal Profile

Title: **Prof.** First Name: **KRISHNA KAMAL** Last Name: **HALDER**

Designation: **PROFESSOR** Mobile No. -----

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

Email: **krishna79.du@gmail.com** Webpage: -----



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

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

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

Google Scholar Link: -----

Address: -----

## 2. Educational Qualifications

Degree/ Certification	Institution	Year
B.Sc. (H) Physics	Visva Bharati	2000
M.Sc. in Physics	Visva Bharati	2002
PhD	University of Delhi	2020

## 3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
ADMINISTRATIVE ASSIGNMENTS	ASSISTANT PROFESSOR	PHYSICS KIRORI MAL COLLEGE, DELHI	16.Jul.2008 - 15.Jul.2011	Member of the Hostel admission committee
ADMINISTRATIVE ASSIGNMENTS	ASSISTANT PROFESSOR	PHYSICS KIRORI MAL COLLEGE, DELHI	01.May.2010 - 31.Dec.2010	Admission in charge, Physics Department, K. M. College

ADMINISTRATIVE ASSIGNMENTS	ASSISTANT PROFESSOR	PHYSICS MAL DELHI	KIRORI COLLEGE,	01.May.2010 - 01.May.2011	(a) Teacher in charge, Department of Physics, Kirori Mal College (b) Member of the Proctorial committee, Kirori Mal College
ADMINISTRATIVE ASSIGNMENTS	ASSISTANT PROFESSOR	PHYSICS MAL DELHI	KIRORI COLLEGE,	16.Jul.2011 - 15.Jul.2013	Member of canteen committee
ADMINISTRATIVE ASSIGNMENTS	ASSISTANT PROFESSOR	PHYSICS MAL DELHI	KIRORI COLLEGE,	16.Jul.2011 - 15.Jul.2014	Member of the central committee for computer
ADMINISTRATIVE ASSIGNMENTS	ASSISTANT PROFESSOR	PHYSICS MAL DELHI	KIRORI COLLEGE,	16.Jul.2012 - 31.Dec.2012	Practical Exam Coordinator, Kirori Mal College
ADMINISTRATIVE ASSIGNMENTS	ASSISTANT PROFESSOR	PHYSICS MAL DELHI	KIRORI COLLEGE,	16.Jul.2011 - 15.Jul.2016	Member of Timetable committee
ADMINISTRATIVE ASSIGNMENTS	ASSISTANT PROFESSOR	PHYSICS MAL DELHI	KIRORI COLLEGE,	16.Jul.2013 - 15.Jul.2014	1. Member of the purchase committee 2. Member of Library committee 3. Convener of Stoke taking committee
ADMINISTRATIVE ASSIGNMENTS	ASSISTANT PROFESSOR	PHYSICS MAL DELHI	KIRORI COLLEGE,	16.Jul.2014 - 15.Jul.2016	Member of the Standing committee
ADMINISTRATIVE ASSIGNMENTS	PROFESSOR	ALL DEPARTMENT	Kirori Mal College	01.Jun.2023 - 31.May.2024	Convener, Standing Committee for Monitoring Admissions
ADMINISTRATIVE ASSIGNMENTS	PROFESSOR	PHYSICS	Kirori Mal College	17.Jul.2023 - 30.Jun.2024	Convener, Departmental Workload committee
ADMINISTRATIVE ASSIGNMENTS	PROFESSOR	PHYSICS	Kirori Mal College	17.Jul.2023 - 30.Jun.2024	Member, Departmental Timetable committee

#### 4. Other Profiles

##### Other Profile Name/ Description

##### SUBJECTS TAUGHT

Electricity and magnetism

##### AREAS OF INTEREST/ SPECIALIZATION

Atomic and molecular physics, Electromagnetic shielding

##### SUBJECTS TAUGHT

Atomic and molecular physics, Mathematical physics, Quantum physics, Mechanics and Optics

#### 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)	EMI shielding of ABS composites filled with different temperature treated equal quantity charcoals	RSC Advances	Krishna Kamal Halder, V. K. Sachdev, Monika Tomar and Vinay Gupta (First Author)	<a href="https://www.scopus.com/sourceid/21100199840">https://www.scopus.com/sourceid/21100199840</a>	November 2019
JOURNAL PAPER (International)	Development of polyvinylidene fluoride - graphite composites as an alternate material for electromagnetic shielding applications	Materials Research Express	Krishna Kamal Halder, V. K. Sachdev, Monika Tomar and Vinay Gupta (First Author)	<a href="https://www.scopus.com/sourceid/21100432452">https://www.scopus.com/sourceid/21100432452</a>	December 2019
JOURNAL PAPER (International)	Carbonized charcoal loaded PVDF polymer composite: A promising EMI shielding material	Arabian Journal of Science and Engineering	Krishna Kamal Halder, V. K. Sachdev, Monika Tomar and Vinay Gupta (First Author)	<a href="https://www.scopus.com/sourceid/13951">https://www.scopus.com/sourceid/13951</a>	June 2019

JOURNAL PAPER (International)	Green Synthesis of Bimetallic Au/Ag Nanostructures Using Aqueous Extract of Eichhornia crassipes for Antibacterial Activity	BioNanoScience	A Halder, R Biswas, PP Kushwaha, KK Halder, I Ahmed, H Singh, S Kumar and K K Haldar (Joint Author)	<a href="https://www.scopus.com/sourceid/21100204924">https://www.scopus.com/sourceid/21100204924</a>	February 2022
JOURNAL PAPER (International)	CoFe <sub>2</sub> O <sub>4</sub> nanoparticles decorated MoS <sub>2</sub> -reduced graphene oxide nanocomposite for improved microwave absorption and shielding performance	RSC Advances	J. Prasad, A.K. Singh, Krishna Kamal Halder, Monika Tomar, Vinay Gupta, K. Singh (Joint Author)	<a href="https://www.scopus.com/sourceid/21100199840">https://www.scopus.com/sourceid/21100199840</a>	November 2019
JOURNAL PAPER (International)	Lightweight reduced graphene oxide-Fe <sub>3</sub> O <sub>4</sub> nanoparticle composite in the quest for an excellent electromagnetic interference shielding material	Nanotechnology	A K Singh, A Kumar, Krishna Kamal Haldar, Vinay Gupta and Kedar Singh (Joint Author)	<a href="https://www.scopus.com/sourceid/110040">https://www.scopus.com/sourceid/110040</a>	June 2018
JOURNAL PAPER (International)	Electromagnetic interference shielding effectiveness in 3D flower-like MoS <sub>2</sub> -rGO/gadolinium-doped nanocomposites	Nanotechnology	J Prasad, A K Singh, Krishna Kamal Haldar, Vinay Gupta and Kedar Singh (Joint Author)	<a href="https://www.scopus.com/sourceid/12325">https://www.scopus.com/sourceid/12325</a>	September 2019

JOURNAL PAPER (International)	CdSe/V2O5 core/shell quantum dots decorated reduced graphene oxide nanocomposite for high-performance electromagnetic interference shielding application	Nanotechnology	A K Singh, AN Yadav, A Srivastava, Krishna Kamal Haldar, Mohika Tomar, Andrei V Alaferdov, Stanislav A Moshkalev, Vinay Gupta and Kedar Singh (Joint Author)	<a href="https://www.scopus.com/sourceid/110040">https://www.scopus.com/sourceid/110040</a>	November 2019
JOURNAL PAPER (International)	Graphitic Carbon Nitride Composites with MoO3-Decorated Co3O4 Nanorods as Catalysts for Oxygen and Hydrogen Evolution	ACS Applied Nano Materials	I Ahmed, R Biswas, RA Patil, KK Halder, H Singh, B Banerjee, B Kumar, Y R Ma and K K Haldar (Joint Author)	<a href="https://www.scopus.com/sourceid/21100914527">https://www.scopus.com/sourceid/21100914527</a>	March 2021
JOURNAL PAPER (International)	Dumbbell-Shaped Ternary Transition-Metal (Cu, Ni, Co) Phosphate Bundles: A Promising Catalyst for the Oxygen Evolution Reaction	ACS Applied Materials & Interfaces	H Singh, R Biswas, I Ahmed, P Thakur, A Kundu, A R Panigrahi, B Banerjee, K K Halder, J Lahtinen, K Mondal, K K Haldar (Joint Author)	<a href="https://www.scopus.com/sourceid/19700171101">https://www.scopus.com/sourceid/19700171101</a>	February 2022

## 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
2018	REFRESHER COURSE ATTENDED	ASSISTANT PROFESSOR	University	Refresher course	27.Nov.2018 - 17.Dec.2018
2019	REFRESHER COURSE ATTENDED	ASSOCIATE PROFESSOR	University	Refresher course	17.Sep.2019 - 30.Sep.2019

**Prof. KRISHNA KAMAL HALDER**