



Kirori Mal College

(University of Delhi)

University of Delhi, Delhi-110007

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



Print Date : 19-01-2026

1. Personal Profile

Title: **Prof.** First Name: **PRADYUMNA** Last Name: **KUMAR SETHY**

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

Phone No. (Office) **011-27667861** Phone No. (Residence): -----

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



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

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

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

Google Scholar Link: -----

Address: -----

2. Educational Qualifications

Degree/ Certification	Institution	Year
Ph.D.	University of Delhi	2014

3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
ADMINISTRATIVE ASSIGNMENTS	COORDINATOR	UNIVERSITY OF DELHI KIRORI MAL COLLEGE	18.Mar.2018 - Till date	Coordinator, University Practical Examinations
ADMINISTRATIVE ASSIGNMENTS	CONVENER	FOREIGN STUDENTS' COMMITTEE KIRORI MAL COLLEGE	01.May.2023 - Till date	
ADMINISTRATIVE ASSIGNMENTS	CHAIRMAN	SPORTS COUNCIL KIRORI MAL COLLEGE	01.May.2021 - 30.Mar.2023	
ADMINISTRATIVE ASSIGNMENTS	PRESIDENT	UNIVERSITY & COLLEGE TEACHER'S WARD QUOTA COMMITTEE KIRORI MAL COLLEGE	20.Nov.2019 - 12.Mar.2023	PRESIDENT, STAFF ASSOCIATION

ADMINISTRATIVE ASSIGNMENTS	CONVENER	FOREIGN STUDENTS' COMMITTEE KIRORI MAL COLLEGE	01.May.2023 - Till date	
ADMINISTRATIVE ASSIGNMENTS	CONVENER	PORTAL COMMITTEE KIRORI MAL COLLEGE	01.May.2021 - 30.Apr.2023	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	LIBRARY COMMITTEE KIRORI MAL COLLEGE	01.May.2023 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	HOSTEL ADMISSION COMMITTEE Kirori Mal College	01.May.2022 - 01.May.2023	

4. Other Profiles

Other Profile Name/ Description

AREAS OF INTEREST/ SPECIALIZATION

High energy Physics, Quark Gluon Plasma

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)	Photon production in relativistic heavy ion collision in the background magnetic field, Mod. Phys. Letts A, 2022, .	Mod. Phys. Lett. A	Pradyumna Sethy (First Author)	https://doi.org/10.1142/S0217732322501322	November 2022
JOURNAL PAPER (International)	Dilepton production rate calculation using MEQM in heavy-ion collision,	Int. J. Mod. Phys. A	Pradyumna Sethy (First Author)	DOI: 10.1142/S0217751X20501158	June 2020
JOURNAL PAPER (International)	A simple model approach to dilepton production rate in relativistic heavy ion collision,	Phys. of Parts. and Nucl. Lett.,	Pradyumna Sethy (Joint Author)	10.1134/S1547477121020096	October 2020
JOURNAL PAPER (International)	Effect of Magnetic Field on Dilepton Production Rate in Relativistic Heavy Ion Collisions, .	Journal of Scientific Research	Pradyumna Sethy (First Author)	10.3329/jsr.v12i2.43938	January 2020

JOURNAL PAPER (International)	Mathematical Framework for Modeling Tumor Growth in Cancer Patients Using Fractional Derivatives	IEEE	Dr S Kalaiselvi1 , K.Rebecca Jebaseeli Edna2 , Abas Hidayat3 , V.Jemmy Joyce4 , Linus A Xavier5 and Dr. Pradyumna Kumar Sethy6 (Joint Author)	10.1109/ACCAI61061.2024.10602198	July 2024
CONFERENCE PAPER/ PROCEEDINGS (International)	Mathematical Framework for Modeling Tumor Growth in Cancer Patients Using Fractional Derivatives ".	IEEE- SCOPUS- 2024 International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI) 979-8-3503-8944-9/24/\$31.00 ©2024 IEEE	Pradyumna Sethy etal. (Joint Author)	DOI: 10.1109/ACCAI61061.2024.1060219	July 2024
CONFERENCE PAPER/ PROCEEDINGS (International)	EVOLUTIONOFQUARK-GLUONPLASMAANDQUARK-HADRON PHASE TRANSITION	The XX International Scientific Conference of Young Scientists and Specialists (AYSS-2016)	Pradyumna Sethy (Joint Author)		June 2016
CONFERENCE PAPER/ PROCEEDINGS (National)	A quasi-particle approach to electromagnetic radiation	DAE Symp. on Nucl. Phys. 63(2018)	Pradyumna Sethy (Joint Author)	Proceedings of the DAE Symp. on Nucl. Phys. 63(2018)	December 2018

8. Books				
Category	Book Name	Title	Name of Author	ISSN/ ISBN Number

9. Faculty Achievements

Year	Category of Achievement	Role	National/ International etc.	Name	Date From-To
2019	SEMINAR ATTENDED	SPEAKER	International	ICPST	11.Jan.2019 - 13.Jan.2019
2016	SEMINAR ATTENDED	SPEAKER	International	CNT-QGP meet	16.Nov.2015 - 20.Nov.2015
2023	WEBINAR ATTENDED	ASSOCIATE PROFESSOR	National	National Mathematics Day	22.Dec.2023 - 22.Dec.2023

Prof. PRADYUMNA KUMAR SETHY