



# 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: **SANGEETA** Last Name: **D. GADRE**

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

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

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



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

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

Youtube: ----- Research Gate Link: <https://www.researchgate.net/profile/Sangeeta-Gadre>

Google Scholar Link: <https://scholar.google.com/citations?hl=en&user=PzAwBRcAAAAJ>

Address: -----

## 2. Educational Qualifications

Degree/ Certification	Institution	Year
Ph.D	Department of Physics and Astrophysics, University of Delhi, Delhi 110007	1996

## 3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
CAREER PROFILE	ASSOCIATE PROFESSOR	PHYSICS KIRORI MAL COLLEGE, DELHI	01.Jan.2006 - Till date	
ADMINISTRATIVE ASSIGNMENTS	DEAN/DY. DEAN	OTHERS KIRORI MAL COLLEGE, DELHI	11.Sep.2020 - Till date	Deputy Dean Students' Welfare from 10-9-20 to 9-6-22 Joint Dean Students' Welfare from 10-6-22 to till date

## 4. Other Profiles

Other Profile Name/ Description

**UG/ PG RESEARCH PROJECTS/ INTERNSHIPS**

UG Dissertation Guide

Topic: Chaos and Synchronizatiion

**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
2022	Synchronization of Camphor Rotors	IoE, DU	One Year		01.May.2022

**7. Publications**

Category	Publication Name	Title	Name of Author	Reference Link/ DOI Link
JOURNAL PAPER (International)	In-phase and mixed-phase measure synchronization of camphor rotors	Physical Review E	Sangeeta D. Gadre (Corresponding Author)	
JOURNAL PAPER (International)	Science on a stick: An experimental and demonstration platform for learning several physical principles	American Journal of Physics,	Sangeeta D. Gadre (Joint Author)	<a href="https://doi.org/10.1119/5.0080881">https://doi.org/10.1119/5.0080881</a>
JOURNAL PAPER (International)	Generation of aperiodic motion due to sporadic collisions of camphor ribbons	Physical Review E	Sangeeta D. Gadre (Corresponding Author)	<a href="https://journals.aps.org/pre/abstract/10.1103/PhysRevE.106.024201">https://journals.aps.org/pre/abstract/10.1103/PhysRevE.106.024201</a>

JOURNAL PAPER (International)	Green electrochemical sensors based on ionic liquid nano composites for detection of environmental pollutants	Indian Journal of Biochemistry & Biophysics	Sangeeta D. Gadre (Joint Author)	( <a href="https://nopr.niscpr.res.in/handle/123456789/59513">https://nopr.niscpr.res.in/handle/123456789/59513</a>
JOURNAL PAPER (International)	Potential Protein and Enzyme Targets for In-silico Development and Repurposing of Drug Against Coronaviruses	Chemistry Selec	Sangeeta D. Gadre (Joint Author)	<a href="https://chemistry-europe.onlinelibrary.wiley.com/doi/full/10.1002/slct.20210">https://chemistry-europe.onlinelibrary.wiley.com/doi/full/10.1002/slct.20210</a>
JOURNAL PAPER (International)	Control of chaos	Pramana-Journal of Physics	Sangeeta D. Gadre (First Author)	<a href="https://www.ias.ac.in/article/fulltext/pram/048/01/0259-0270">https://www.ias.ac.in/article/fulltext/pram/048/01/0259-0270</a>
JOURNAL PAPER (International)	Controlling Chaos Using an Exponential control	Journal of Technical Physics	Sangeeta D. Gadre (First Author)	<a href="http://jtp.ippt.gov.pl/">http://jtp.ippt.gov.pl/</a>
JOURNAL PAPER (International)	Controlling Chaos: Stabilization of Unstable Orbits using Exponential Control for Maps and Flows	Pramana-Journal of Physics	Sangeeta D. Gadre (First Author)	<a href="https://link.springer.com/article/10.1007/BF02848624">https://link.springer.com/article/10.1007/BF02848624</a>
JOURNAL PAPER (International)	Controlling Chaos: Stabilization of Fixed Points and Creation of New Stable Attractors in 1-D Maps	Pramana-Journal of Physics	Sangeeta D. Gadre (First Author)	<a href="https://link.springer.com/article/10.1007/BF02847617">https://link.springer.com/article/10.1007/BF02847617</a>
JOURNAL PAPER (International)	Period Matching in Modulated Maps	Pramana-Journal of Physics	Sangeeta Batra (First Author)	( <a href="https://www.researchgate.net/publication/225429441_Period_matching_in">https://www.researchgate.net/publication/225429441_Period_matching_in</a>

JOURNAL PAPER (International)	Stationary and libration motion in two coupled rotors: Theoretical and experimental study	Physical Review E	Sangeeta D. Gadre (Corresponding Author)	10.1103/PhysRevE.110.064208
CHAPTER (International)	Frontiers in Computational Chemistry	Bentham Science Publishers	Sangeeta D. Gadre (Joint Author)	

## 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
2023	FACULTY DEVELOPMENT PROGRAM ATTENDED	ASSOCIATE PROFESSOR	University	Basic Skills in Experimental Physics	17.Jul.2023 - 23.Jul.2023

**Prof. SANGEETA D. GADRE**