



Kirori Mal College

(University of Delhi)

University of Delhi, Delhi-110007

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1. Personal Profile

Title: **Prof.** First Name: **SANGEETA** Last Name: **D. GADRE**

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

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

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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 Synchronization

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)	https://doi.org/10.1119/5.0080881
JOURNAL PAPER (International)	Generation of aperiodic motion due to sporadic collisions of camphor ribbons	Physical Review E	Sangeeta D. Gadre (Corresponding Author)	https://journals.aps.org/pre/abstract/10.1103/PhysRevE.106.024201

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)	(https://nopr.niscpr.res.in/handle/123456789/59513
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)	https://chemistry-europe.onlinelibrary.wiley.com/doi/full/10.1002/slct.202100001
JOURNAL PAPER (International)	Control of chaos	Pramana-Journal of Physics	Sangeeta D. Gadre (First Author)	https://www.ias.ac.in/article/fulltext/pram/048/01/0259-0270
JOURNAL PAPER (International)	Controlling Chaos Using an Exponential control	Journal of Technical Physics	Sangeeta D. Gadre (First Author)	http://jtp.ippt.gov.pl/
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)	https://link.springer.com/article/10.1007/BF02848624
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)	https://link.springer.com/article/10.1007/BF02847617
JOURNAL PAPER (International)	Period Matching in Modulated Maps	Pramana-Journal of Physics	Sangeeta Batra (First Author)	(https://www.researchgate.net/publication/225429441_Period_matching_in_modulated_maps

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

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