



# MAHARAJA AGRASEN COLLEGE

University of Delhi

Vasundhara Enclave, Delhi 110096

## Curriculum Vitae

First Name	Nilesh	Middle Name	Kumar	Last Name	Pathak
Designation	Assistant Professor		Department	Physics	
Date of Birth	20-10-1985		Date of Joining	30-07-2018	
Residential Address	41D MIG DDA Flats Shivam Enclave Delhi-110032				
Contact No.	9953401294		Email Id	nileshpiitd@gmail.com	

## Educational Qualifications

Degree	Institution	Year	Details
PhD	IIT Delhi	2016	Computational Plasmonics
M.Sc.	VBS Purvanchal University	2009	Physics
B.Sc.	VBS Purvanchal University	2005	Physics, Mathematics
Specialization			

## Career Profile

Organization/ Institution	Post Held	Adhoc/ Temp/ Permanent	From	To	Total Experience
SERB/University of Delhi	Postdoctoral Fellow	Temp	5-08-2016	29-07-2018	1 year 11 months
Maharaja Agrasen College, University of Delhi	Assistant professor	Adhoc		30-07-2018 to till date	4 years

List of research papers published in peer reviewed/ UGC Listed/ Scopus indexed research journals



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Title of the article / paper	Journal Name	ISSN	Issue / Vol No.	Year	Whether Peer reviewed/ UGC Listed/ Scopus Indexed Journal	Thomson Reuter Impact Factor
Tuning of the surface plasmon resonance of aluminum nanoshell near-infrared regimes	<i>Physical Chemistry Chemical Physics,</i>	1463-9076	21	2019	Scopus Indexed Journal	3.43
Molecular aspects of oligomer-coupled ultra-small Au nanoparticles,	J. of Phys. and Chem. of Solids	0022-3697	140	2020	Scopus Indexed Journal	3.442
Application of exact solution of complex morse potential to investigate physical systems with complex and negative masses	<i>J. Phys. Commun.</i>	2399-6528	5	2021	Scopus Indexed Journal	1.35

## List of Books (edited/ authored)

Title of the book	Author / Editor	ISBN	Year	Publisher

## List of Chapters in a book

Title of the chapter	Title of the book	ISBN	Year	Publisher
Fourier Transform Infrared (FTIR) Spectroscopy with Chemometrics: Evaluation of Food Quality and Safety	Handbook of Research on Food Processing	9781003184720	2021	Taylor & Francis Group



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	and Preservation Technologies			
A perspective on plasmonics within and beyond the electrostatic approximation	Plasmonics,	978-953-51- 6337-4	2018	InTech

List of Papers presented/ Invited Lecture/ Resource Person in conferences/ seminars/ workshops/  
FDPs

Title of Paper/ Talk/ Subject	Conference/ Invited talk/ Resource Person	Title of conference/ seminar/ workshop/ FDP	Level (College/ State/ National/ International)	Year	Name of Organizer(s)

PhD Research Guidance

Name of the Scholar	Year of registration	Affiliating University	Status (Ongoing/ Thesis Submitted/ Awarded)

Research projects

Title	Period		Sanctione d Amount	Sponsoring/ Funding Agency
	From	To		



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I certify that the information given above is correct and factual to the best of my knowledge.

Date: