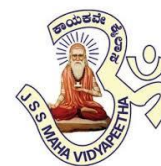




JSS Mahavidyapeetha
JSS Academy of Technical Education
Department of Physics



FACULTY PROFILE

1. Personal Details

NAME	Pratima	
DEPARTMENT	Physics	
DESIGNATION	Assistant Professor	
PHONE	9313272730	
EMAIL ID	pratimarajput@jssaten.ac.in	
Date of Joining (JSSATEN)	09/08/2010	

2. Experience

Total Experience in Years	Teaching: 13 Years	Industry: Nil	Research: 6 Years
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
M.Sc		2004	S.D.P.G. College, Sri Ganganagar, Rajasthan	Bikaner University, Rajasthan
M.Phil	Microwave Electronics	2006	M.D.P.G. College, Sri Ganganagar, Rajasthan	Bikaner University, Rajasthan
Ph.D.	Plasmonic Energy Transfer	Pursuing	Gautam Buddha University, G. Noida	Gautam Buddha University, G. Noida
Post Doc.				

4. Research & Publications

Papers Published in Web of Science indexed Journals	2	
Papers Published in SCOPUS indexed Journals		
Papers Published in other Journals		
Papers Presented in Conferences / Symposium	5	

Books / Book chaptersPublished	
	Name of the book: Publisher: Year of Publication:

5. Research Guidance NIL

PhD Guide? Give field & University	No	Condensed matter Dr. A.P.J. Abdul Kalam Technical University
PhDs / Projects Guided	Guiding: NIL	Projects at Master's Level: - Nil Projects at Bachelor's Level: 12

6. Grants NIL

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
-	-	-	-	-

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
1	-	-

iii. Consultancy

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
-	-	-	-	-

7. Awards Received NIL

1	
2	

8. Publications

i. International Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1.	Forster Resonance Energy Transfer and Molecular Fluorescence near Gain Assisted Refractory Nitrides Based Plasmonic Core-Shell Nanoparticle	Pratima, Manmohan Singh Shishodia	Plasmonics	15, 2020	WOS	2.404	Springer
2.	Energy Transfer Interactions and Sensing Characteristics of Gain Assisted and Graphene Coated Plasmonic Nanomatryoshka	Pratima, Manmohan Singh Shishodia	Plasmonics	2021 (Published Online)	WOS	2.404	Springer

ii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	Energy Transfer Interactions in the Vicinity of Bimetallic Combination of Refractory Nitride and Coinage Metals based Core@shell Plasmonic Nanoparticle	Pratima, Manmohan Singh Shishodia	National Conference on Physics and Chemistry of Materials: NCPCM-2020		WOS		AIP
2	Plasmonic Nitrides assisted Field	Pratima, Manmohan Singh	International Conference on Intelligent Control and Computation for Smart				

	Enhancement near core@shell nanoparticle for Sensing	Shishodia	Energy and Mechatronic Systems (ICCSEMS-2020), September 25-26,2020				
3	Forster Resonance Energy Transfer near Bimetallic Combination of Coinage Metals and refractory Nitrides based Plasmonic Nanoparticle	Pratima, Manmohan Singh Shishodia	International Conference on Photonics, Metamaterials and Plasmonics: PMP-2019, February 14-16, 2019, Jaypee Institute of Information Technology (JIIT), Noida.				
4	Energy transfer between the molecules assisted with gain media in the proximity of core @ shell nano particle	Pratima, Manmohan Singh Shishodia	International Conference on Fiber optics & Photonics: PHOTONICS-2018, December 12-15, 2018, IIT Delhi, New Delhi				
5	Multipole spectral expansion based closed form expressions for field enhancement near spherical and core@shell plasmonic nanoparticles	Pratima, Manmohan Singh Shishodia	International Conference on Frontiers of Science & Technology: ICFST-2017, January 5-6, 2017, Krishana Institute of engineering & Technology (KIET), Ghaziabad.				

iii. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	Workshop on Optics and Photonics: Theory and Computational Techniques and Computational Techniques,	IIT Roorkee	26-27 December, 2021

	OPTCT-2020		
2	Workshop on Computational Physics in Applied Research, CPAR-2019	GBU, Greater Noida	25-27 July,2019
3	Workshop on Optics and Photonics: Theory and Computational Techniques and Computational Techniques, OPTCT-2017	IIT Delhi	4-5 December, 2017

Conference Attended (those sponsored by AICTE / ISTE/IETE/TEQIP or any other sponsoring body) NIL

Sl. No.	Name of the workshop / Conference	Organizer	Date

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	Wind Energy	COURSERA	16/08/2020	94%
2	Solar Photovoltaic fundamentals, technology & Application	NPTEL	2019/Elite+Silver	79%
3	Solar Photovoltaic fundamentals, technology & Application	NPTEL	2018/Elite	77%

10. Membership of Professional Bodies:Nil

11. Any other information you will like to share about your professional experience

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