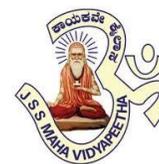




JSS Mahavidyapeetha
JSS Academy of Technical Education
Department of Physics



FACULTY PROFILE

1. Personal Details

NAME	Dr Richa Verma	
DEPARTMENT	Physics	
DESIGNATION	HoD	
PHONE	9818387538	
EMAIL ID	hodphysics@jssaten.ac.in	
Date of Joining (JSSATEN)	31/8/2005	

2. Experience

Total Experience in Years	Teaching: 16 Years	Industry: Nil	Research: 7 Years
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.Sc.,	Physics	1991	Gargi College New Delhi	Delhi University
M.Sc.	Materials	1993	Jamia Millia Islamia New Delhi	Jamia Millia Islamia New Delhi
Ph.D.	Thermodynamics and Statistical Mechanics of Liquid Systems	2001	University of Allahabad	University of Allahabad

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 06	National: 01
Papers Published in SCOPUS indexed Journals	International: 06	National: 02
Papers Published in other	International: 01	National: 01

Journals		
Papers Presented in Conferences / Symposium	International: 01	National: 01
Books / Book chapters Published	Name of the book: “Laser systems and Applications” Publisher: PHI Learning Private Limited, Year of Publication: 2011	

5. Research Guidance

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

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

1	Awarded Junior Research Fellowship NET+JRF from UGC New Delhi
2	Awarded SRF (Senior Research Fellowship) from CSIR, New Delhi.

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	Excess functions of Multicomponent Liquid Mixtures	J.D. Pandey, RichaVerma and RanjanDey,	Acoustics letters	24, 5, 94, (2000)	-	NA	United Kingdom Parjon Information services
2	Inversion of Kirkwood buff theory of solutions: applications to binary systems	J.D. Pandey and Richa Verma	Chemical Physics	270, 429, (2001)	Both	3.48	Elsevier
3	Thermodynamic Properties of Multicomponent Liquid Mixtures	J.D. Pandey, RanjanDey and RichaVerma,	Physics and Chemistry of Liquids	14(2), 145, (2003)	Both	2.101	Taylor and Francis
4	Excess functions of binary liquid mixtures at varying pressures	J.D. Pandey, RanjanDey and RichaVerma	Fluid Phase Equilibria	215, 17-22, (2004)	Both	2.838	Elsevier
5	Evaluation of the acoustic non-linearity parameter of a liquid using hard sphere equation of state	J D Pandey, R K Mishra and RichaVerma	J. Phys. D. Appl. Phys	37, 1-3, (2004)	Both	3.207	IOP publishing ltd
6	Determination of Kirkwood Buff integrals of multicomponent liquid mixtures from the speed of sound	J D Pandey RanjanDey, RichaVerma, TanujaNautiyal ,N.K. Soni and J.D. Pandey	Physics and Chemistry of Liquids	47, No. 3, 287–295, (2009)	Both	2.101	Taylor and Francis

ii. National 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	Non Linearity	J.D. Pandey, J. Chhabra,	Pramana Journal of	55, No.3, 433, (2000)	Both	2.219	Indian Academy

	Parameter B/A of Binary liquid Mixtures at elevated pressures	R.Dey, Vinay Sanguri and RichaVerma,	Physics,				of Sciences
2	Non Linearity Parameter B/A of higher Alkanes	G.P. Dubey, V. Sanguri and RichaVerma	Indian journal of Pure and Applied Physics	36, 678,1998	Both	0.923	NISCAIR

iii. 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	“Application of the Kirkwood Buff theory of solutions to a binary mixture of interest for Refrigeration Systems and Heat Pumps.”	R. Verma, K. P. Singh and S. Singh,	AIP Conference Proceedings	Accepted December 2020	yes	0.415	American Institute of Physics
2	Evaluation of the Kirkwood Buff parameters for a High Power Tunable Dye Laser Solution	R. Verma, K. P. Singh	AIP Conference Proceedings 2136, 040013 (2019) https://doi.org/10.1063/1.5120927	2136, 040013 (2019);	yes	0.415	American Institute of Physics

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	Workshop on “Timing And Spectroscopy X Ray Astronomy”	TIFR	2016

	TIFR 2016		
2	International Conference on Photonics, Metamaterials and Plasmonics – 2019 (PMP-2019)	American Institute of Physics	2019
3	Workshop on “Computational Physics in Applied Research”	Gautam Buddha University, Greater Noida	July 2019
4	“Outcome Based Education” National Level Online FDP ,	College of Engineering and Technology, Pune	October 2020
5	Webinar “Qualitative research Blogs writing and neuroscience in outbreak of COVID 19”	JSS Academy of Technical education Noida,	May 2020
6	Research Methodology: tools and Techniques	IILM College of Engineering and Technology	May 2020
7	National Conference on “Physics and Chemistry of Materials”,	Department of Physics Government Holkar Science college Indore,	December 2020
8	Workshop “Essentials of Research Article writing”, Elsevier online Author workshop,	AKTU Lucknow	May 2021
9	Vedic Maths for Career Success"	NGO Skills On BIZ	June 2021

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1	Organized International Webinar on ‘Relevance of Digital Interventions in empowerment of marginalised post COVID’	Physics department JSSATE Noida	21 JULY 2020	Convener

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

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	FDP Operations Research Through ICT NITTR Chandigarh 2015	NITTR Chandigarh	2015
2	FDP Advances in OFC Technology NITTR Chandigarh 2016	NITTR Chandigarh	2016
3	FDP Innovative Approach for skill development and employment	NITTR Chandigarh	2017

	generation in India NITTTR Chandigarh 2017		
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9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	“Introduction to Electronics”	Coursera	JULY 2020	90
2	“Using Word Press to create a Blog”.	Coursera	JULY 2020	100
3	“Solar Photovoltaics Fundamentals Technology and Applications”.	NPTEL	2019	72

10. Membership of Professional Bodies: Nil

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

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