



JSS Mahavidyapeetha
JSS Academy of Technical Education, Noida
Department of Physics



FACULTY PROFILE

1. Personal Details

NAME	Dr. Manisha Chaudhry	
DEPARTMENT	Physics	
DESIGNATION	Assistant Professor	
PHONE	+91 7042274666	
EMAIL ID	dr_manisha@jssaten.ac.in	
Date of Joining (JSSATEN)	13-08-2007	

2. Experience

Total Experience in Years	Teaching: 14	Industry: - 02	Research: -4
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.Sc.	Physics, Maths & Chemistry	1998	Meerut College, Meerut, U.P.	C. C.S. University, Meerut, U.P.
M.Sc.	Solid State Physics	2000	Meerut College, Meerut, U.P.	C. C. S. University, Meerut, U.P.
Ph.D.	Liquid Crystal (Condensed matter)	2009	S.D.(P.G.) College, Muzaffarnagar, U.P.	C. C. S. University, Meerut, U.P.
Post Doc.	-	-	-	-

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 04	National: 00
Papers Published in SCOPUS indexed Journals	International: 04	National: 00

Papers Published in other Journals	International: 02	National: 02
Papers Presented in Conferences / Symposium	International: 09	National: 02
Books / Book chapters Published	Name of the book: “Recent Trends in Materials and Devices” Chapter: Optical and Thermo-dynamical properties of Twist Grain boundary phases in Liquid Crystals Publisher: Springer Publications, Year of Publication: 2016	

5. Research Guidance

PhD Guide? Give field & University	NIL	NIL
PhDs / Projects Guided	NIL	NIL

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
-	-	-

iii. Consultancy

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

Awards “Best Paper Award”	NIL
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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	“Twist Grain Boundary phases in binary mixture of Liquid Crystals”	Manisha Chaudhry	World Scientific News,	Vol. 113 2018		-	Scientific Publishing House, DARWIN
2	“X-Ray Investigation of Twist Grain Boundary Phases in Binary mixture of Liquid Crystals”	Manisha Chaudhry & S.S. Bawa	International Journal of Engineering Technology, Management and Applied Sciences	Vol. 03, 2015			Research and Scientific Innovation Society
3	“Optical investigations of Twist Grain Boundary Phases exhibiting Cylindrical and cone-like domain textures. ”	Anjuli Khandelwal, Manisha Yadav, S. S. Bawa,	Molecular Crystal Liquid Crystal	Vol. 511 Issue-01 2009	Both	0.94	Taylor and Francis
4	“Twist Grain Boundary Phases Giving Developable Domain Textures as Those Exhibited by Columnar Phases.”	Anjuli Khandelwal, Manisha Yadav, S. S. Bawa	Molecular Crystal Liquid Crystal)	Vol. 489, 2008	Both	0.94	Taylor and Francis
5	“Non-linear	S.C. K. Misra,	Thin Solid Films	Vol. 514,	Both	2.18	Elsevier

	dielectric properties of vacuum deposited nanocrystalline polyaniline thin film"	Manisha Yadav, Prafull Mathur,		Issue-2 2006			
6	Preparation and characterization of a vacuum deposited semi conducting nanocrystalline polymeric thin film sensors for detection of HCl.,	S.C. K. Misra, Prafull Mathur, Manisha Yadav, M. K. Tiwari., Dr. S.C.Garg, P. Tripathi	Polymer	Vol. 45 2004	Both	4.43	Elsevier

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	Investigations of Twist Grain Boundary Phases in Chiral liquid Crystals,	Manisha Chaudhry	Advances in Physical Science Research,	Vol.10, 2017	-	-	The sapience
2	Dielectric studies of Twist Grain Boundary Phases in Liquid Crystal,	Manisha Chaudhry, S.S.Bawa, &Anjuli Khandelwal	Advances in Physical Science Research,	Vol.1, 2013.	-	-	The sapience

iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No.	WOS / Scopus	Impact Factor	Publisher
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				Issue No. Year			
1	Thermo-optical studies of TGB Phases in Binary Mixture of Liquid Crystals	Manisha Chaudhry and Shaweta Khanna,	International Conference on Intelligent Control and Computation for Smart Energy and Mechatronic Systems, ICCSEMS-2020, JSSATE, Noida	Sept 25 th -26 th , 2020			
2	Investigation of TGB phases in binary mixture of Cholesteric Liquid Crystal,	Manisha Chaudhry	International conference on Computing, Communication and Cyber-security, 2019, Chandigarh.	Oct 12 th -13 th , 2019			Springer
3	Twist Grain Boundary phases in binary mixture of Liquid Crystals	Manisha Chaudhry	2 nd International Conference on Frontiers of Science & Technology	July 21 st - 22 nd , 2018			
4	Optical and Thermo-dynamical properties of Twist Grain boundary phases in Liquid Crystals	Manisha Chaudhry&S.S.Bawa	International Conference on Recent Trends in Materials and Devices CRTMD	Dec 15 th – 17 th , 2015			Springer
5	X-Ray Investigation of Twist Grain Boundary Phases in Binary mixture of Liquid Crystals	Manisha Chaudhry&S.S.Bawa,	International Conference on Recent Development in Engineering Science and Management	May 17 th 2015.			Academic Science

6	Dielectric studies of Twist Grain Boundary Phases,	Manisha Chaudhry, Anjuli Khandelwal & S. S. Bawa	16th National Conference on Liquid Crystals at Lucknow.	Oct 26th-28th, 2009.			
7	Goldstone Mode behavior in Twist Grain Boundary phases,	Anjuli Khandelwal, Manisha Chaudhry, S. S. Bawa	Gordon Conference on Liquid Crystals, Colby Sawyer College, New London, New Hampshire (USA),	June 10 th – 15 th , 2007.			
8	Experimental study of Twist Grain Boundary phases: the liquid crystal analog of the Abrikosov phases”,	Anjuli Khandelwal, Manisha Chaudhry, S. S. Bawa	International Conference on Liquid Crystals ICLC06 University of Mumbai, Mumbai	Dec.5 th – 8 th , 2006,			
9	Dielectric studies of the soft mode and goldstone mode in Twist Grain boundary phases’ (oral) at	Anjuli Khandelwal, Manisha Yadav & S. S. Bawa	12th National conference on liquid crystals at Assam University, Silchar, Assam.	Dec 19th-21st, 2005,			
10	Twist Grain Boundary Phase of Hexatics in Liquid Crystals”,	Anjuli Khandelwal, Manisha Chaudhry, S. S. Bawa	11 th International Topical Meeting on the Optics of Liquid Crystals, In Florida, U.S.A,	Oct 2 nd -7 th , 2005			
11	Calculation of new refraction parameter of some pure and mixtures of liquid	Anjuli Khandelwal, Manisha Yadav & S. S. Bawa	Twentieth International Liquid Crystal Conference, In Ljubljana, Slovenia,	July 4 th -9 th , 2004			

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iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1.	FDP on Machine Learning & It's Application	IIT Roorkee	05-05-2020 to 14-05-2020
2.	FDP on Entrepreneurship Development	Indraprastha Engineering College, Ghaziabad.	07-01-2020 to 20-01-2019

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
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vi. Conference Attended (those sponsored by AICTE / ISTE/IETE/TEQIP or any other sponsoring body)

Sl. No.	Name of the workshop / Conference	Organizer	Date
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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	Wind Energy (Coursera)	Technical University of Denmark	7/10/2020	92 %
2	Fundamental of Electronic Material and Devices (NPTEL)	IIT Madras	April 2020	75 %

10. Membership of Professional Bodies:

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

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