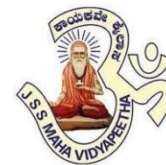





**JSS Mahavidyapeetha**  
**JSS Academy of Technical Education**  
**Department of Physics**



**FACULTY PROFILE**

**1. Personal Details**

NAME	Dr Pankaj Kumar Sharma	
DEPARTMENT	Physics	
DESIGNATION	Assistant Professor	
PHONE	9410434920	
EMAIL ID	pankaj.sharma@jssaten.ac.in	
Date of Joining (JSSATEN)	14/12/2022	

**2. Experience**

Total Experience in Years	Teaching: 18 Years	Industry- Nil	Research -10 Years
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**3. Qualifications**

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.Sc.,	Physics, Chemistry, Mathematics	1995	N.R.E.C. College Khurja	Ch. Charan Singh University Meerut
M.Sc.	Physics (Specialization in Electronics)	1997	N.R.E.C. College Khurja	Ch. Charan Singh University Meerut
M.Phil.	Physics(Spectroscopic Studies of Materials)	2002	Aligarh Muslim University, Aligarh	Aligarh Muslim University, Aligarh
Ph.D.	Physics(Spectroscopic Studies of Materials)	2004	Aligarh Muslim University, Aligarh	Aligarh Muslim University, Aligarh

#### 4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 01	National: 02
Papers Published in SCOPUS indexed Journals	International: 01	National: 02
Papers Published in other Journals	International: 02	National: 05
Papers Presented in Conferences / Symposium	International: 05	National: 15
Books / Book chapters Published	Nil	

#### 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: 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
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	<b>Awarded Senior Research Fellow-Aligarh Muslim University Fellowship</b>
2	<b>Awarded Junior Research Fellow-Aligarh Muslim University Fellowship</b>
3	<b>Project Fellow:U.G.C. sponsored major research project “EPR study of quenched high temperature superconductor” sanctioned to Prof. R. J. Singh.</b>

## **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	EPR spectra of deoxygenated high Tc superconductors	R J. Singh, <b>P.K. Sharma</b> , A. Singh and S. Khan,	<b>PhysicaC</b>	<b>356</b> (2001)285-296	1.518	1.518	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	EPR study of Deoxygenated High Temperature Superconductor	R.J.Singh, <b>P.K.Sharma</b> and Shakeel Khan	Pramana Journal of Physics	Vol. 58, no. 5&6 (2002)843-848	Both	2.219	Indian Academy of Sciences
2	Magnetic order and electrical resistance in Manganites	R. J. Singh and <b>P.K. Sharma</b>	Indian journal of Pure and Applied Physics	Vol. 43, no. 4 (2005) 273-278	Both	0.923	NISCAIR
3	MICROWAVES THERMAL SYNTHESIS AND CHARACTERIZATION OF MANGANESE-DOPED ZINC-OXIDE NANOPARTICLES	Sunil Kumar, Arun Kumar Sharma and P. K. Sharma	International Journal of Advanced Research in Engineering Technology & Science	Volume-3, Issue-12, December-2016			
4	SPECTROSCOPIC STUDY OF $\Gamma$ -IRRADIATION ON CR-39 POLYMER	A. K. Srivastava, Deepak Sharma and P. K. Sharma	International Journal of Advanced Research in Engineering Technology & Science	Volume-3, Issue-12, December-2016			

5	Transition from microelectronics to nanoelectronics	P. K. Sharma	IJSR	Vol.07, Issue 04, April 2019			
6	Bond length distortion in III-V semiconductors	Kalyan Singh and P. K. Sharma	International Journal of Science and Research (IJSR)	Vol. 11 Issue 5, May 2019			
7	Bond length and bond length distortion in Zn-Series of II - VI group of semiconductors	Kalyan Singh, V. K. Singh and P. K. Sharma	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Vol 10. Issue VI June 2022			

### 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	EPR Study of Quenched Bi-2223 Superconductor	Arti Singh, Shakeel Khan, <b>P. K. Sharma</b> and R. J. Singh	2 <sup>nd</sup> Asia Pacific EPR/ESR Symposium (APES'99), Zhejiang University, China, Oct.29-November 4,1999.	Accepted 1999	yes		

2	EPR Spectra of De-oxygenated High Temperature Superconductors	<b>P.K.Sharma</b> , Shakeel Khan and R.J.Singh	DAE-SSPS, Guru Ghasidas University Bilaspur (M.P.)December 27-31, 2000	Accepted 2001			
3	EPR Study of Deoxygenated TI Based High Temperature Superconductors	<b>P. K. Sharma</b> , Shakeel Khan and R. J. Singh,	88 <sup>th</sup> Indian Science Congress Association (ISCA), Indian Agricultural Research Institute, Pusa, New Delhi, January 3-7, 2001				
4	EPR Study of Deoxygenated Hg-based High Temperature Superconductors	<b>P.K. Sharma</b> , Shakeel Khan and R.J.Singh	VISION-2001, Banaras Hindu University, Varanasi, May6,2001				
5	THE HIGH TEMPERATURE SUPERCONDUCTOR ELECTRONICS	Pawann Kumar, <b>Pankaj Kumar Sharma</b> and R. Swarup	VISION-2001, Banaras Hindu University, Varanasi, May6,2001				

6	EPR Study of Deoxygenated Bi-Based High Temperature Superconductors	<b>P.K.S harm a</b> , Arti Singh, Shake el Khan, Mohd. Ikram and R.J.Singh	AGM-MRSI, SINP, Science City, Calcutta, January 31-February 2, 2001				
7	EPR Study of Deoxygenated High Temperature Superconductors	R. J. Singh, <b>P.K.S harm a</b> and Shake el Khan	International Symposium On (ASMM-2D), Mangalore University Mangalore, INDIA, September25-28, 2001				
8	EPR Spectra of Perovskite Manganites	R.J.Singh and <b>P.K.S harm a</b>	International Symposium on (ASMM-2D), Mangalore University, Mangalore, INDIA, September25-28, 2001				
9	EPR Study of Deoxygenated High Temperature Superconductors	R.J.Singh, <b>P.K.S harm a</b> and Shake el Khan	APES'01, Kobe University, Japan, Oct29-Nov1, 2001				

<b>10</b>	Dependence of EPR Spectra of Manganites on Micro Wave Power	R. J. Singh and <b>P.K.Sharma</b>	APES'01, Kobe University, JAPAN, Oct29-November 1, 2001				
<b>11</b>	EPR Study of $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ and $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ as a Function of Microwave power	<b>P.K.Sharma</b> , R.J.Singh and Y.KUMAR	National Conference on "Ordered in disordered Materials" at IIT Kanpur, December, 10-13, 2001				
<b>12</b>	Relaxation Times in CMR Materials	<b>P. K. Sharma</b> , R. J. Singh and Y. KUMAR	National Conference on "Ordered in disordered Materials" to be held at IIT Kanpur, to be held on December,10-13, 2001				
<b>13</b>	EPR Study of $\text{La}_{1/3}\text{Sr}_{2/3}\text{MnO}_3$ as a function of microwave power	<b>P. K. Sharma</b> and R.J.Singh	89 <sup>th</sup> Indian Science Congress Association (ISCA),Luck now University Luck now, (U.P), January 3-7,2002				
<b>14</b>	Microwave Power Dependent EPR Spectra of Manganites	<b>P. K. Sharma</b> , Shakeel Khan and R.J.Singh	90 <sup>th</sup> Indian Science Congress Association (ISCA), Bangalore University Bangalore, (Karnataka), January 3-7,2003				



15	EPR Spectra of Manganites as a function of microwave power	<b>P. K. Sharma,</b> Shake el Khan, M. I. Haque and R. J. Singh,	MRSI, FEB,11-13, 2003				
16	Microwave Power/Temperature Dependent EPR Spectra of Manganites	<b>P. K. Sharma</b> and R. J. Singh	NCMA, Kurukshetra University Kurukshetra (H.R.),February 23-25, 2004				
17	Magnetic Order and Electrical Resistance in Manganites	R. J. Singh and <b>P. K. Sharma</b>	APES'04, Indian institute of Science Bangalore, (INDIA), November 21-25, 2004				
18	Dependence of electrical resistance on magnetic order in manganites	R. J. Singh and <b>P.K. Sharma</b>	ICCE-11, USA, August 8-14, 2004.				
19	Nature of perovskite manganites	R. J. Singh & <b>P.K. Sharma</b>	FMA-2004, Athens September 24-26 2004				

<b>20</b>	EPR Study of Superconductors and Manganites	P. K. Sharma & R. J. Singh	St. Stephan College UZHAVOR (Kerala), November 25-27, 2004				
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**iv. Workshops /Conferences Attended**

<b>Sl. No.</b>	<b>Name of the workshop / Conference</b>	<b>Organizer</b>	<b>Date</b>
<b>1</b>	Indian Physics Association Seminar on "Physics in 20 <sup>th</sup> Century and Emerging Trends for the New Millennium"	TIFR	1999

2	Symposium on “ <b>CURRENT TRENDS IN MAGNETISM</b> ”	<b>University of Madras, Chennai</b>	2001
3	International Symposium on “ <b>Advances in Superconductivity &amp; Magnetism: Materials, Mechanisms Devices</b> ”	<b>Mangalore University Mangalore</b>	2001
4	National Symposium on Instrumentation (NSI-26)	<b>Instrumentation Research and Development Establishment (IRDE), DRDO, Ministry of Defence, Raipur Road, Dehradun</b>	2001
5	National Seminar Cum Workshop on “ <b>Surface modifications and characterizations by energetic ion beams</b> ”	<b>University of Rajasthan, Jaipur</b>	2001
6	National Conference on “order in disordered materials”	<b>IIT Kanpur</b>	2001
7	89 <sup>th</sup> Indian Science Congress Association (ISCA)	<b>Lucknow University Lucknow</b>	2002
8	90 <sup>th</sup> Indian Science Congress Association (ISCA),	<b>Bangalore University Bangalore, (Karnataka)</b>	2003
9	14 <sup>th</sup> AGM-MRSI	<b>Bhabha Atomic Research Center Mumbai</b>	2003
10	International School on EPR Spectroscopy & Free Radical Research	<b>Bhabha Atomic Research Center Mumbai</b>	2004
11	Asia Pacific EPR/ESR Symposium (APES'04)	<b>Indian Institute of Science Bangalore</b>	2004
12	National Seminar on Condensed Matter Physics	<b>St. Stephan College UZHAVOOR (Kerala)</b>	2004
13	National Conference on “Recent Advancements in Microwave Technique and Applications (Microwave-2006)”	<b>University of Rajasthan, Jaipur</b>	2006
14	International Free Radical School: Research Approaches and Methodologies (FRS-2007)	<b>Dr. Ambedkar College, Deeksha Bhoomi, Nagpur</b>	2007
15	National workshop on “Solar Passive for Rural-areas (SPAR-07)	<b>University of Rajasthan, Jaipur</b>	2007

<b>16</b>	First National conference: “Interaction with Nobel Prize Winners”	<b>IIT Allahabad</b>	2008
<b>17</b>	Sixteenth National Symposium on Solid State Nuclear Track Detectors and their Applications (SSNTD – 16)	<b>Guru Nanak Dev University, Amritsar</b>	2009
<b>18</b>	Workshop on “Advanced Materials and Nanotechnology” (AMNT-09)	<b>JIIT, Noida</b>	2009
<b>19</b>	Mini - Colloquia on “Compact Modeling Techniques for Nanoscale Devices and Circuit Analysis	<b>University of Delhi South Campus, New Delhi</b>	2015
<b>20</b>	Workshop on the role of Local Chapters (NPTEL)	<b>IIT Jodhpur</b>	2017
<b>21</b>	Faculty Development Program on Advance Excel with Data Analytics :E & ICT Academy	IIT Kanpur	2022
<b>22</b>	Innovation Ambassador (IA) training foundation level	<b>Ministry of Education &amp; AICTE</b>	2022

**v. Workshops / Conference (Organized)**

<b>Sl. No.</b>	<b>Name of the workshop / Conference</b>	<b>Organized by</b>	<b>Date</b>	<b>Role</b>
1				

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

<b>Sl. No.</b>	<b>Name of the workshop / Conference</b>	<b>Organizer</b>	<b>Date</b>
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2			
3			

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**9. Details of NPTEL / COURSEERA courses completed**

<b>Sl. No.</b>	<b>Name of the subject</b>	<b>Organized by</b>	<b>Date of completion / Award</b>	<b>Grade / Marks</b>
1	Solid State Physics	NPTEL-IIT Kharagpur	2019	60%
2	Quantum Mechanics-I	NPTEL-IIT Bombay	2020	72%
3	Semiconductor Devices and Circuit	NPTEL-IISC Bangalore	2020	52%

**10. Membership of Professional Bodies: Nil**

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

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