




महात्मा ज्योतिबा फुले  
कृषिविद्यालय, बरेली

## Faculty Profile on University Website

www.mjpru.ac.in

Title	<b>Dr.</b>	First Name	<b>Sudha</b>	Last Name	<b>Devi</b>	
Designation	<b>Assistant Professor</b>					
Department	<b>Chemistry</b>					
Address						
(Campus)						
(Residence)	<b>Bareilly</b>					
Phone No						
(Campus)						
(Residence)						
Mobile	<b>9501524730</b>					
Fax						
Email	sudhapatel.knp@gmail.com					
Web-Page						
Educational Qualifications (Graduation Onwards)						
Course/Degree	Institution	Year	Details/Thesis Topic/Subjects			
BSc	C.S.J.M.U. KANPUR, UP	2005	Chemistry, Zooloy			
MSc	C.S.J.M.U. KANPUR, UP	2009	Chemistry			
NET-JRF	CSIR UGC NET-JRF	2012	Chemical Sciences			
Others	GATE	2012	Chemistry			
PhD	<b>Indian Institute of Science Education and Research Mohali, Punjab</b>	2019	Chemical Sciences			
Career Profile						
Organization / Institution	Designation	Duration	Role			
IISER MOHALI, PUNJAB	Teaching Assistantship	Jan –Dec 2013	Teaching and Lab			
M.J.P.R.U. Bareilly UP	Guest Lecturer	Aug 2019- May 2020	Teaching and Lab			
M.J.P.R.U. Bareilly UP	Guest Lecturer	01 Nov 2022- 08 Dec 2022	Teaching and Lab			
Research Interests / Specialization						
<ul style="list-style-type: none"> <li>▪ <b>Physical Organic Chemistry</b></li> <li>▪ Photoswitchable molecules</li> <li>▪ Spectroscopy</li> <li>▪ Photochemistry</li> <li>▪ Synthetic Organic Chemistry</li> <li>▪ Supramolecular Chemistry</li> <li>▪ Liquid Crystals</li> </ul>						
Teaching Experience (Subjects/Courses Taught)						
UG and PG Chemistry, Engineering Chemistry, Environmental Chemistry						
Honors & Awards						
CSIR UGC NET-JRF						
Publications /Academic Activities (Numbers Only)						

### Papers Published in Indexed/ Peer Reviewed Journals

Year of Publication	Title	Journal	ISSN/ Indexing	Co-Author (s) (if any)
2018	Evaluation of Substituent Effect in Z- Isomer Stability of Arylazo-1H-3,5-dimethylpyrazoles – Interplay of Steric, Electronic Effects and Hydrogen Bonding	The Journal of Organic Chemistry	0022-3263 (print); 1520-6904 (web)	Mayank Saraswat, Surbhi Grewal
2018	Tripodal N-Functionalized Arylazo-3,5-dimethylpyrazole Derivatives of Trimesic Acid: Photochromic Materials	ChemPhotoChem	2367-0932	Ankit Kumar Gaur, Debapriya Gupta, Mayank Saraswat,

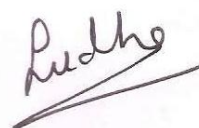
	for Rewritable Imaging Applications			
2018	Reversibly photoswitchable alkoxy azobenzenes connected benzenetricarboxamide discotic liquid crystals with perpetual long range columnar assembly	Organic & Biomolecular Chemistry	1477-0520 (print); 1477-0539 (web)	Indu Bala, Santosh Prasad Gupta, Pravesh Kumar
2019	Arylazo-3,5-dimethylisoxazoles: Azoheteroarene Photoswitches Exhibiting High Z-Isomer Stability, Solid-State Photochromism, and Reversible Light-Induced Phase Transition	Chemistry - A European Journal	Online ISSN:1521-3765 Print ISSN:0947-6539	Pravesh Kumar, Anjali Srivastava, Chitransh Sah,
2020	Tuning of Bistability, Thermal Stability of the Metastable States, and Application Prospects in the C <sub>3</sub> -Symmetric Designs of Multiple Azo(hetero)arenes Systems	Chemistry - A European Journal	Online ISSN:1521-3765 Print ISSN:0947-6539	Debapriya Gupta, Ankit Kumar Gaur, Pravesh Kumar, Himanshu Kumar, Anjali Mahadevan, Dr. Saonli Roy

(d) Seminar/Conference Presentations

- Five Day Faculty Development Programme on “Teaching Through E-Learning Technologies: Development of E-Content” conducted by IIPA Bareilly Chapter and ABV-IIITM Gwalior (31 May – 04 June, 2020).
- Participated in the 16<sup>th</sup> National Symposium in Chemistry held at the Indian Institute of Technology Bombay, Powai, Mumbai, India (07-09 February, 2014).
- Participated in the International Conference on Nano Science and Technology (ICONST) held at the Institute of Nano Science and Technology Mohali, India (02-05 March, 2014).
- Participated in the National Seminar on Crystallography 43A held at the Indian Institute of Science Education and Research (IISER) Mohali, S. A. S. Nagar Mohali, India (28-30 March, 2014).
- Poster presentation entitled “Direct C-Arylation of acetylacetone using substitute anilines under metal-free conditions through *in situ* generation of diazonium salts” Sudha Devi.; Sugumar Venkataramani\* at the 13<sup>th</sup> Eurasia Conference on Chemical Sciences held at the Indian Institute of Science Bangalore, India (14-18 December, 2014).
- Poster presentation in the 11<sup>th</sup> Junior National Organic Symposium (J-NOST) held at the National Institute of Science Education and Research (NISER) Bhubaneswar, India (14-17 December, 2015).
- Participated in the Workshop on Solid-State and Material Chemistry held at the Institute of Nano Science and Technology Mohali, India (08 February, 2016).
- Poster presentation in the 18<sup>th</sup> National Symposium in Chemistry held at the Institute of Nano Science and Technology Mohali and Punjab University India (5<sup>th</sup>-7<sup>th</sup> February, 2016).

Any Other Details

- Two year worked in National Service Scheme.
- Worked as a Chemist for three months
- Two day Training in Nagrik Suraksha Core, Allahabad
- TECHNICAL SKILLS: Instrumentations- NMR, IR, UV/Vis, Fluorescence, HRMS, XRD, Laser Raman Spectroscopy, Polarized Optical Microscope (POM), Thermal Gravimetric Analysis (TGA), Differential Scanning Calorimetry (DSC), Column Chromatography, HPLC
- IT skill: MS-Office, Endnote, CorelDraw, Gaussian (G09 Windows), GaussView, Chem Draw, MestReNova NMR, TOPSPIN NMR, SPINWORK NMR, OPUS and Origin.



Signature of Faculty Member