




Faculty Profile on University Website

www.mjpru.ac.in

Title	Dr.	First Name	Archana	Last Name	Kumari	Photograph 
Designation		Assistant Professor				
College		Constituent Government College, Meerapur, Bangar, Bijnor, U.P., India				
Address	Campus	Department of Chemistry, CGC Meerapur, Bangar, Bijnor, U.P., India				
	Residence	Somendra Singh, Near Smart Zone, Mahadevpuram colony, Bijnor				
Mobile No.		6388606074, 9565989536				
Email ID		Personal	bhuarchana@gmail.com			
		University Domain				
Professional Networking ID, i.e. Linkedin, Twitter, etc.		https://www.linkedin.com/in/archana-kumari-0b7051a0/ https://www.researchgate.net/profile/Archana-Kumari-17				
Educational Qualifications (Graduation Onwards)						
Course/Degree	Institution		Year	Details/Thesis Topic/Subjects		
B.Sc. (H) Chemistry	Faculty of Science, Banaras Hindu University (BHU), Varanasi, India		2011			
M.Sc. Chemistry	Department of Chemistry, Faculty of Science, Banaras Hindu University (BHU), Varanasi, India.		2013			
PhD	Institute of Science, Banaras Hindu University (BHU), Varanasi, India).		2021	Synthesis and study of the properties of acrylamide-based monomers and their polymers.		
Career Profile						
Organization / Institution		Designation	Duration	Nature of Duties		
Constituent Government College, Meerapur, Bangar, Bijnor, U.P., India		Assistant Professor	15-12-2022	Teaching and other Academic and Administrative Responsibilities		
Research Interests / Specialization: Polymer Chemistry						
Research Experience in Years - 07 years						
Name of Programme	Awarded		Under Supervision			

Ph.D.	--							
M.Phil.	--							
Dissertation (M.Ed./M.A.)	--							
Researcher/ Expert ID	Scopus	Orchid	Publons		Vidwan		Google Scholar	
Teaching Experience (Subjects/Courses Taught)								
1 year and 2 months, BSc and MSc								
Honours / Awards & Fellowship FOR OUTSTANDING WORK								
Name of Award/ Fellowship		Awarded By						
		Name of Governmental Agency			Name of Government Supported Organization / Department		Name of International Recognized Body	
Publications /Academic Activities (Numbers Only)								
Books & Monographs (Single Author)	Research Papers Published in International Journals	10	Papers Presented in Seminars/ Conferences		Seminars/ Conferences Organized		Research Projects (Completed)	
Books (Co-authored)	Research Papers Published in Other Journals		Seminar/ Conferences Attended		Workshops Organized		Research Projects (Ongoing)	
Books (Edited)	Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.		Sessions Chaired in Seminars/ Conferences		Memberships of Academic/ Professional Bodies		Foreign Countries Visited for Academic Assignments	
Chapters in Edited Books			Resource Lectures Delivered					

Details of Publications /Academic Activities (2010 Onwards)					
(a) Authored Books/ Monographs					
Name of Book	Year of Publication	Publisher	ISBN No		
(b) Edited Books					
Year of Publication	Title	Publisher	ISBN	DOI No.	Citations
(c) Papers Published in UGC Care Listed /Indexed/ Peer Reviewed Journals					
Year of Publication	Title	Name of Journal	ISSN No	Citations	Impact Factor
2022	Biocompatible thermoresponsive N-isopropyl-N-(3-(isopropylamino)-3-oxopropyl)acrylamide based random copolymer: synthesis and studies of its composition dependent properties and anticancer drug delivery efficiency,	J. Mater. Chem. B,	2050750X, 20507518.	<u>1</u>	<u>7.57</u>
2021	Effect of <i>n</i> -Alkyl Side Chain Length on the Thermal and Rheological Properties of PolyN-(3-(alkylamino)-N-(3-(isopropylamino)-3-oxopropyl)acrylamide) Homopolymers,	<i>Macromol. Chem. Phys.</i> ,	1022-1352; 1521-3935	<u>1</u>	<u>2.99</u>
2021	Synthesis and Characterization of Poly(N-(3-(hexylamino)-N-(3-(isopropylamino)-3-oxopropyl)acrylamide) Homopolymer	J. Polym. Mater.,	0973-8622; 0976-3449	1	0.32
2021	Effect of L-menthol chain-end on the optical rotation, chirality, tacticity and	<u>Materials Today Communication</u> <u>s</u>	<u>2352-4928</u>	<u>3</u>	<u>3.8</u>

	thermal properties of polystyrene prepared by ATRP and polyvinylacetates prepared by RAFT polymerization: A molecular weight dependence study				
2020	L-menthol-based xanthate mediator for RAFT polymerization of vinyl acetate."	<i>Journal of Macromolecular Science, PartA: Pure and Applied Chemistry,</i>	1520-5738	<u>5</u>	<u>2.21</u>
2020	Selective nitration of phenol to o-nitrophenol in the presence of metal-free reduced graphene oxide at room temperature.	<i>New Journal of Chemistry</i>	11440546, 13699261	<u>3</u>	<u>3.3</u>
2019	L-menthol-based initiators for atom transfer radical polymerization of styrene."	<i>Journal of Applied Polymer Science</i>	00218995, 10974628	<u>4</u>	<u>3</u>
2019	Highly selective fluorescence 'turn off' sensing of picric acid and efficient cell labelling by water-soluble luminescent anthracene-bridged poly (N-vinyl pyrrolidone)."	<i>Analyst</i>	00032654, 13645528.	<u>21</u>	<u>4.2</u>
2017	Colorimetric detection of hydrogen peroxide and glucose using brominated graphene.	<i>Analytical Methods</i>	1759-9660; 1759-9679	<u>41</u>	<u>3.5</u>
2016	Study of the Fluorescence Based Applications of Pyrene-tagged Poly (N-vinyl-2-pyrrolidone).	<i>ACS Biomaterials Science & Engineering</i>	23739878	<u>20</u>	<u>5.8</u>

(d) Chapter/Paper Published in Edited Books

Publication		Title of the Book	Title of the	Name & Address	Year	ISBN N	DOI	Citation
National	International							

			Chapter	of Publisher				Google/ web of science
(e) Invited as Resource Lectures Person/Examiner/Expert								
Resource person	Detail of Event	Title of Lecture	Date			Institution		
(f) Seminars/Conferences/Workshops Organized								
(g) Projects (With Title, Year, Grants, Funding Agency and Collaborations)								
Year	Name of Project	Funding Agency	Amount	Duration				
				From	Till			
(h) Administrative Positions/Assignments Held								
Post	Organization	Duration						
		From	To					
(i) Seminar/Conference Presentations								
<ol style="list-style-type: none"> 1. Science Academies Lecture Workshop on “Molecular Spectroscopy: Theory, Instrumentation and Applications” 2-3rd March, 2012, Department of chemistry, Faculty of Science Banaras Hindu University, Varanasi, India (Participated). 2. 7th RSC-CRSI Symposium in Chemistry, 31st Jan. 2013, Department of chemistry, Faculty of Science, Banaras Hindu University, Varanasi, India. (Participated). 3. 15th CRSI National Symposium in Chemistry, 1-3rd Feb. 2013, Department of chemistry, Faculty of Science, Banaras Hindu University, Varanasi, India (Participated). 4. “National Symposium on Organic Synthesis and Advanced Materials” (NSOSAM-2014) 1-2nd March, 2014, Department of chemistry, Faculty of Science, Banaras Hindu University, Varanasi, India (Participated). 5. Science Academies Lecture Workshop on “Spectroscopy: in chemical Biology” 21st-22nd March 2014, Department of chemistry, Faculty of Science, Banaras Hindu University, Varanasi, India (Participated). 6. International Symposium on Polymer Science and Technology (Macro 2015), 23-26th Jan. 2015, IACS Kolkatta, India. (Presented Poster) Page No.134, Poster No. PS66. Synthesis of a Novel Alkyne-terminated RAFT Agent 2-propynyl-2-((<i>N,N</i>-diphenylcarbamothioyl)thio)propanoate and Its Uses for the RAFT polymerization of <i>N</i>-Vinylpyrrolidone. 7. National Symposium on “Nanomaterials & Sustainable Synthetic Strategies”, 21-22nd March Department of chemistry (Centre of Advanced Studies in Chemistry) Banaras Hindu University, Varanasi, India (Participated). 								

<p>8. ACTT(I) Satellite Conference on “Recent Trends in Carbohydrate chemistry” (RTCC-2016), 12 November 2016, Department of chemistry, Institute of Science, Banaras Hindu University, Varanasi, India (Participated).</p>			
<p>9. INDO-US International Conference on “Nanotechnology: Science and Application in Advanced Materials and Beyond” (NSAAMB-2016), 19-22th December, 2016, Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi, India (Participated).</p>			
<p>10. International Conference on Polymer Science and Technology (Macro 2017), 23-26th Jan. 2017, SPSI Thiruvananthapuram, India (Participated).</p>			
<p>11. “Synthesis and RAFT polymerization of an amphiphilic monomer” National Symposium on “Emerging Trends in Chemical Sciences (NSETCS-2018)” 17-18th November, 2018, Department of chemistry, Institute of Science, Banaras Hindu University, Varanasi, India. (Best Poster Presentation Award)</p>			
<p>12. National Symposium on “Contemporary Trends and Future Prospects of Functional Materials (CTFM-2019)” 29-30th November, 2019, Department of chemistry, Faculty of Science, Banaras Hindu University, Varanasi, India. (<i>Presented Poster</i>) <i>Synthesis and Characterization of N-acrylamide-based self-assembled functional materials</i>”.</p>			
(j) Memberships of Academic/Professional Bodies			
(k) Participation in Community Service / Exchange Programme / Consulting Activity			
(l) International Academic Exposure			
(m) Any Other Details:			

Archana Kumari

Signature of Faculty Member