## Faculty Profile on University Website www.mjpru.ac.in

Title		Dr.				Last Name	Kumar			Photograph	
Design	atio	on		Associat	te Professor				П		
Depar	Department		Chemist	try					36		
Addre	SS	Campi	ıs	Science	Block, MJP	RU, Bare	illy				
		Reside	nce	Mahana	gar, Bareill	y					
Mobile No.			(+91) 94	12602921				V 000	MAAAA		
Email	ID			Personal		prame	ndra	2002@gr	nail	.com	
				Universi	ty Domain	prame	ndra	@mjpru.a	ac.iı	1	
Professional Networking ID, i.e. Linkedin, Twitter					1						
Educa	tion	al Qual	ifica	tions (Gr	aduation Or	nwards)					
Course/Degree				Institution			Year		Subjects		
B. Sc.			C C S University, Meerut			1998	P	CM group			
M.Sc. C			CCS	C C S University, Meerut			2000	О	Organic Chemistry		
M. Tech. Delhi Col			elhi Colleg	lhi College of Engineering, Delhi 200			2002	P	olymer Technology		
Do	octor	rate	U	niversity (	of Allahabad,	, Allahaba	ıd	2011	С	hemistry	
Caree	r Pr	ofile							',		
Organization / Institution			on	Designation Du		Duration		Nature of Duties			
M J P I Bareill	M J P Rohilkhand University,			ersity,				Since 2002 to 2106		Teaching & Research	
M J P Rohilkhand University, Bareilly						16 onward	ds	Teaching & Research			
Resear	rch	Interest	s / S <sub>]</sub>	pecializat	ion		•				
		Polyn	ners	modificati	on, Green Cl	hemistry					
Resear	rch	Experie	nce i	n Years	- 10 Years						
No. of	Res	search S	chol	ars Succe	ssfully Guid	led					
Name	of P	rogramı	ne	A	warded	warded Und			ler S	Supervision	
Ph.D.				01	03			0.2			

M.Phil. Dissertation	n											
Researche Expert ID	r/	Scopus		Orchi	id	Publor	ıs	Vidwa	n	Google Scholar		
<b>_</b>		55466583	3100	100 0000-0001- AA 9805-3669		AAY-2	434-2020 Vidwar 165171				a@m	
Teaching 1	Exp	erience (S	ubjects	s/Cour	ses Tau	ght)	- 18	years				
F	PG le	evel:- Adv	anced C	Organio	c Chemis	stry, Ph	ysical	Chemistry				
J	JG 1	evel:- Pol	ymer Sc	ience.	Enginee	ring Ch	emisti	ry, Environme	ental	Chemistry		
Honours /												
Name of A			/ W ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	.p . O.								
Fellowship		ru/	Name	e of C	overnme	ental		rded By ae of	Nai	Name of		
renowsing	,		Agen		over IIIII	illai		ernment	International			
			Agency					ported	Recognized Body			
							_	anization/			•	
							Dep	artment				
GATE Fel	low	ship	MHRD, New De		w Delhi		DCE, Delhi					
Publication	ns /	Academic	Activit	ties (N	umbers	Only)	1		1			
Books &		Research	Papers		Papers			Seminars/		Research		
Monogra		Published	-		Present			Conf.		Projects	01	
phs	_	Internation	onal	18	Semina	ars/	14	Organized		(Completed)	01	
(Single		Journals			Confer	ences						
Author)												
Books		Research	Papers		Semina	ar/		Workshop		Research		
(Co-	-	Published	d in	1	Confer	ences	5	S		Projects	01	
authored)		Other Jo			Attend	ed		Organized	04	(Ongoing)	"	
Books	-	Articles			Session			Membersh		Foreign		
(Edited)		Published			Chaire		-	ip of		Countries		
Chapters		Popular l		03	Semina			Academic/		Visited for		
in Edited	4	e.g., Web	osites,		Confer	ences		Profession	04	Academic	-	
Books		Blogs,			Resour	rce		al Bodies		Assignmen		
DOORS	İ	Marrianan	orc				1		1	ts		
		Newspap Magazin			Lecture	es	01					

	of Publications			ities (2010	On	wards)			
	nored Books/ N							1	
Name of	of Book Year of Publication		on	Pul	olisher		ISBN	No No	
(b) Edit	ed Books								
Year of Publicat			her	IS	BN	DOI	No.	Citations	
n									
I Pana	 rs Published in	n IICC Ca	ro I isto	d /Indoved	/ <b>P</b> o	or Roviou	yed Jour	male	
	nwards)	ii UGC Ca	ire Liste	u /muexeu	/ 1 6	CI KEVIEW	cu Jour	nais,	
Year of Publication		<b>Title</b>		Name o Journa		Vol./ Pp	ISSN No	Citations	Impact Factor
2011	Design of nano structured tamarind seed kernel polysaccharide- silica hybrids for mercury (II) removal			Sep. Sci. Technol.		46 / 825-838	1900- 1977	13	1.7
	Carboxymethyl tamarind gum- silica nanohybrids for effective immobilization of amylase			J. Mol. Cat B: Enzym.	al.	70/ 67-73	1381- 1177	37	2.5
	Sol-gel synthesis and characterization of adsorbent and photoluminescent nanocomposites of starch and silica			J. of Non- Cryst. Solid	ls	357/ 194-201	0022- 3093	31	2.6
2012	Use of microwave irradiation in the grafting modification of the polysaccharides- A review			Prog. Polyi Sci.	n.	37(2)/ 340-364	0079- 6700	164	24.5
2013	Determination of water quality index and fitness of urban water bodies in Bilari town of Moradabad (Uttar Pradesh)			J. Chem. Pharm. Res	ī.	5(11)/ 726-731	0975- 7384	1	
2016	Evolution of surface coverage of CH <sub>3</sub> NH <sub>2</sub> PbI <sub>3-X</sub> Cl <sub>X</sub> in a heat assisted solvent vapour treatment and their effect on photovoltaic performance		RSC Adv.		6/ 94731- 94738	2446- 2069	7	3.07	
	Improve the nature characteristics of polysaccharides by grafting through the $\gamma$ radiation: A review		Techno. Le	tt.	2 (3)/ 151-159	2455- 3611	3	1.2	
	Polyvinyl versatile designing	butyral template	(PVB), for nano	Green Cher Techno. Le		2(3)/ 185-194	2455- 3611	9	1.2
	acoigning		nano	<u> </u>			<u> </u>		1.4

2017   A review on the modification of polysaccharides through graft copolymerization for various potential applications   Psyllium mucilage and its use in pharmaceutical fields, An overview   Synthesis and characterization of modified chitosan via microwave route for novel antibacterial application   Microwave assisted synthesis of binary grafted psyllium and its utility in anticancer formulation   Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application   Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application   Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application   Movel binary grafted chitosan Int. J. Biol.   115/ 0141- 341-348   8130   23   5.15   1984.   6549   1		composites/composi	ite								
2017		<b>-</b> -									
of polysaccharides through graft copolymerization for various potential applications  Psyllium mucilage and its use in pharmaceutical fields, An overview  Synthesis and characterization of modified chitosan via microwave route for novel antibacterial application  Microwave assisted synthesis of binary grafted psyllium and its utility in anticancer formulation  Binary grafted chitosan film: Synthesis, characterization, antibacterial activity and prospects for food packaging  Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application  Novel binary grafted chitosan film: Synthesis and characterization, for binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted chitosan for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial activity and prospects for food packaging  Mater. Sci.  Int. J. Biol.  Mater. Sci.  104/  10928- 109900  1041- 1000134  1077  1041- 1079  1044- 9 7.1  1041- 8617  1041- 8130  23  5.15  1041- 8130  23  5.15  1041- 8130  23  5.15  5.15  6549  5.15  6549  5.16  Macromol.  1184-191  11830  5.18  6549  5.18  6549  5.18  6549  6	2017	· · · · · · · · · · · · · · · · · · ·	nodification	Oper	Med.	1	1/	1874-	25	0.5	5
graft copolymerization for various potential applications Psyllium mucilage and its use in pharmaceutical fields, An overview  Synthesis and characterization of modified chitosan via microwave route for novel antibacterial application  Microwave assisted synthesis of binary grafted psyllium and its utility in anticancer formulation  Binary grafted chitosan film: Synthesis, characterization, antibacterial activity and prospects for food packaging  Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application  Movel binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity Silver nanoparticles embedded Guar Gum/ Gelatin  Microwave and State Synthesis of poly vinyl butyral-silica composites for mercury removing toxic mercury removal and antibacterial activity  Materomol.  Materomol.  Synthesis and characterization of ceffective dye removal and antibacterial activity Silver nanoparticles embedded Guar Gum/ Gelatin  Materomol.  Synthesis and characterization overtical activity Silver nanoparticles embedded Guar Gum/ Gelatin  Curr. Synth.  Synth.  Synt. Biol.  1000/141  107/ 0141- 14	2017			-						0.0	
various potential applications Psyllium mucilage and its use in pharmaceutical fields, An overview  Synthesis and characterization of modified chitosan via microwave route for novel antibacterial application  Microwave assisted synthesis of binary grafted psyllium and its utility in anticancer formulation  Binary grafted chitosan film: Synthesis, characterization, antibacterial activity and prospects for food packaging  Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application  Novel binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial activity and prospects for food packaging  Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application  Novel binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin Interface Sci. 100242 0382		¥ •	_					10.0			
Psyllium mucilage and its use in pharmaceutical fields, An overview  Synthesis and characterization of modified chitosan via microwave route for novel antibacterial application  Microwave assisted synthesis of binary grafted chitosan film: Synthesis, characterization, antibacterial activity and prospects for food packaging  Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application  Novel binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin  Syst. Biol.  Syst. Biol.  1007/ 0141- 14  5.15  107/ 0141- 14  5.15  108-408-414  8130  23  5.15  108-41-348  8130  23  5.15  108-41-348  8130  23  5.15  108-41-348  8130  23  5.15  1098-41-348  8130  23  5.15  5.15  5.15  5.15  6.198-4.  6.199-7.  6.100134  6.115/ 6.115/ 6.129  6.100134  6.115/ 6.115/ 6.129  6.115/ 6.129  6.116/ 6.129  6.129  6.120  6.120  6.120  6.120  6.120  6.120  6.120  6.121  6.121  6.121  6.121  6.121  6.123  6.123  6.124  6.124  6.125  6.126  6.126  6.126  6.126  6.127  6.127  6.128  6.129  6.129  6.129  6.129  6.129  6.129  6.129  6.120  6.120  6.121  6.120  6.121											
Synthesis and characterization of modified chitosan via microwave route for novel antibacterial application   Microwave assisted synthesis of binary grafted psyllium and its utility in anticancer formulation   Binary grafted chitosan film: Synthesis, characterization, antibacterial activity and prospects for food packaging   Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application   Novel binary grafted chitosan nano-carrier for sustained release of curcumine   Synthesis and characterization of binary grafted psyllium for mercury (II) ions from aqueous solution   Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity   Silver nanoparticles embedded Guar Gum/ Gelatin   Syst. Biol. Int. J. Biol. Int. J. Biol. Macromol.   Silver nanoparticles embedded Guar Gum/ Gelatin   Synthesis and characterization of Endowed Guar Gum/ Gelatin   Synthesis and characterization of Endowed Guar Gum/ Gelatin   Syst. Biol. Int. J. Bio				Curr	. Svnth.	5(	1)/	2332-		1.3	}
Synthesis and characterization of modified chitosan via microwave route for novel antibacterial application  Microwave assisted synthesis of binary grafted psyllium and its utility in anticancer formulation  Binary grafted chitosan film: Synthesis, characterization, antibacterial activity and prospects for food packaging  Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application  Novel binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin  Silver nanoparticles embedded Guar Gum/ Gelatin  Synthesis and characterization of Gelatin  Synthesis and characterizes embedded Guar Gum/ Gelatin					•				7		
Synthesis and characterization of modified chitosan via microwave route for novel antibacterial application  Microwave assisted synthesis of binary grafted psyllium and its utility in anticancer formulation  Binary grafted chitosan film: Synthesis, characterization, antibacterial activity and prospects for food packaging  Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application  Novel binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin			1101000, 1111					0.0.	,		
of modified chitosan via microwave route for novel antibacterial application  Microwave assisted synthesis of binary grafted psyllium and its utility in anticancer formulation  Binary grafted chitosan film: Synthesis, characterization, antibacterial activity and prospects for food packaging  Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application  Novel binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin			acterization	Int. J	. Biol.	10	07/	0141-	14	5.15	5
microwave route for novel antibacterial application  Microwave assisted synthesis of binary grafted psyllium and its utility in anticancer formulation  Binary grafted chitosan film: Synthesis, characterization, antibacterial activity and prospects for food packaging  Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application  Novel binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin  Microwave assisted synthesis and characterization of elatin for the feetive dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin  Carbohydr.  179/ 0044- 8617  179/ 0144- 8617  179/ 0048-414  8617  115/ Macromol.  115/ Macromol.  115/ Macromol.  115/ 115/ 115/ 115/ 115/ 115/ 115/ 11								_		0.11	
antibacterial application  Microwave assisted synthesis of binary grafted psyllium and its utility in anticancer formulation  Binary grafted chitosan film: Synthesis, characterization, antibacterial activity and prospects for food packaging  Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application  Novel binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin  Microwave assisted synthesis and characterization of binary grafted chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin  Microwave assisted synthesis.  Int. J. Biol.  Macromol.  179/ 408-414 8617  23 5.15  6549  5.15  6549  5.15  6549  5.15  6549  5.15  6549  5.15  6549  5.15  6549  5.15  6549  5.15  6549  5.15  6549  5.15  6549  5.15  6549  5.15  6549  654	2018					13	94				
Microwave assisted synthesis of binary grafted psyllium and its utility in anticancer formulation  Binary grafted chitosan film: Synthesis, characterization, antibacterial activity and prospects for food packaging  Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application  Novel binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin  Microwave assisted synthesis Adarcomol.  Int. J. Biol. Macromol.  179/ 408-414 8617  179/ 408-414 8617  115/ 0141- 8130  23 5.15  1.8  Chem. Sel. 4/1979 - 2365- 7 1.8  4/1984. 6549  5.15  Macromol. 184-191 8130  4 5.15  Macromol. 184-191 8130  4 5.88  5.88											
of binary grafted psyllium and its utility in anticancer formulation  Binary grafted chitosan film: Synthesis, characterization, antibacterial activity and prospects for food packaging  Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application  Novel binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin  Polym.  408-414  408-414  8617  115/ 341-348  8130  23  5.15  1.8  1.8  1.8  1.15/ 341-348  8130  23  5.15  1.8  1.8  1.8  1.15/ 341-348  8130  23  5.15  1.8  1.8  1.8  1.9  1.8  1.9  1.9  1.9				Carb	ohydr.	17	79/	0144-	9	7.1	
its utility in anticancer formulation  Binary grafted chitosan film: Synthesis, characterization, antibacterial activity and prospects for food packaging  Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application  Novel binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin  Int. J. Biol. Macromol.  Int. J. Biol. Macromol.  Mater. Sci. 104/ 0928-109900 4931 4 5.88			•		•					.,,	-
Formulation   Binary grafted chitosan film: Synthesis, characterization, antibacterial activity and prospects for food packaging   Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application   Novel binary grafted chitosan nano-carrier for sustained release of curcumine   Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution   Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity   Silver nanoparticles embedded Guar Gum/ Gelatin   Int. J. Biol.   Macromol.   Int. J. Biol.   Macromol.   Int. J. Biol.   Macromol.   Int. J. Biol.   Int.			-					0017			
Binary grafted chitosan film: Synthesis, characterization, antibacterial activity and prospects for food packaging  Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application  Novel binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin  Microwool.  Int. J. Biol.  Macromol.  131/ Macromol.  131/ 134-348  8130  23  5.15  Chem. Sel.  4/1979 - 2365- 79 1.8  1549  4 5.15  Macromol.  184-191 184-19											
Synthesis, characterization, antibacterial activity and prospects for food packaging  Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application  Novel binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin  Macromol.  Macromol.  A4/1979 - 2365 - 7			tosan film:	Int. J	. Biol.	11	5/	0141-			
antibacterial activity and prospects for food packaging  Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application  Novel binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin  Microwsel. 4/1979 - 2365- 7				Мася	romol.	341-	-348		22		
Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application  Novel binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin  Microwsel. 4/1979 - 2365- 79		•	,						23	5.15	5
Microwave assisted synthesis of poly vinyl butyral-silica composites for mercury removal application  Novel binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Mater. Sci.  Int. J. Biol.  Mater. Sci.  Int. J. Biol.  Mater. Sci.  Int. J. Biol.  Macromol.  Int. J. Biol.  Macromol.  Total remains a single destate a sing			•								
of poly vinyl butyral-silica composites for mercury removal application  Novel binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin  of poly vinyl butyral-silica (1984. 6549  Int. J. Biol. 131/ 0141- 4 18130  Int. J. Biol. 109900 4931  Int. J. Biol. 139/ 0141- 5 15.15  Macromol. 752-759 8130  Colloid and 152-759 8130				Chen	n. Sel.	4/19	79 -	2365-	7	1.8	3
composites for mercury removal application  Novel binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin  Composites for mercury removaly and lnt. J. Biol. Macromol.  Int. J. Biol. 131/ 0141- 4 5.15  Macromol. 184-191 8130  Mater. Sci. 104/ 0928- 109900 4931  Int. J. Biol. 139/ 0141- 5 5.15  Macromol. 752-759 8130						19	84.	6549			
removal application  Novel binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin Interface Sci. I			-								
Novel binary grafted chitosan nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Novel binary grafted chitosan Int. J. Biol.  Macromol.  Mater. Sci.  104/ 109900 4931 4  5.88  Int. J. Biol.  Macromol.  109900 4931 5.88  Int. J. Biol.  Macromol.  752-759 8130  Silver nanoparticles embedded Guar Gum/ Gelatin  Int. J. Biol.  Macromol.  139/ 752-759 8130  Colloid and Interface Sci.  100242 0382	2010	*	•								
nano-carrier for sustained release of curcumine  Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin Gelatin Gelatin Macromol.  Mater. Sci. 104/ 0928-109900 4931  Int. J. Biol. 139/ 0141- 5 5.15  Macromol. 752-759 8130  Solution 139/ 752-759 8130	2019			Int. J	. Biol.	131	/	0141-	4	5.15	5
Synthesis and characterization of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin  Mater. Sci.  Eng C  104/ 109900 4931 4 5.88  5.88  Macromol. 752-759 8130  Silver nanoparticles embedded Interface Sci. 100242 0382					romol.	184-	191	8130			
of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin  Fing C  109900 4931  4  5.88  5.88  5.88  Colloid and linterface Sci. 109900 4931  A		release of curcumine	2								
of binary grafted psyllium for mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin  Fing C  109900 4931  4  5.88  5.88  5.88  Colloid and linterface Sci. 109900 4931  A	Ī	Synthesis and chara	acterization	Mate	r. Sci.	104/	,	0928-			
mercury removing toxic mercury (II) ions from aqueous solution  Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin Interface Sci.   100242   0382   3.66   3						1099	900	4931	4	<b>5</b> 04	0
Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin  Synthesis and characterization Int. J. Biol. 139/ 752-759 8130  Colloid and Allower Interface Sci. 100242 0382		mercury removir	ng toxic						•	5.88	8
Synthesis and characterization of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin  Synthesis and characterization Int. J. Biol. Macromol. 139/ 752-759 8130  Synthesis and characterization Int. J. Biol. Macromol. 35/ 752-759 8130  Colloid and Interface Sci. 100242 0382		mercury (II) ions fro	m aqueous								
of antibacterial cross linked material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin  Macromol. 752-759 8130  752-759 8130  752-759 8130		solution	-								
material of chitosan for effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin Interface Sci. 100242 0382	-	Synthesis and chara	acterization	Int. J	. Biol.	139/	,	0141-	5	5.15	5
effective dye removal and antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin Interface Sci. 100242 0382		of antibacterial cre	oss linked	Мася	romol.	752-	759	8130			
antibacterial activity  Silver nanoparticles embedded Guar Gum/ Gelatin Interface Sci. 100242 0382		material of chit	tosan for								
Silver nanoparticles embedded Colloid and 35/ 2215- Guar Gum/ Gelatin Interface Sci. 100242 0382		effective dye ren	noval and								
Guar Gum/ Gelatin Interface Sci. 100242 0382		<u>-</u>									
		_	embedded					2215-			
Lean I Commun I I I I I I I I I I I I I I I I I I I						1002	242	0382		2.0	•
2020 hanocomposite. Green seminary	2020	nanocomposite:	Green	Com	mun.				3	2.8	•
synthesis, characterization and											
antibacterial activity											
A review on synthesis of graft Int. J. Biol. 163/ 0141- 5.15										5.15	5
copolymers of Chitosan and Macromol. 2097- 8130		± •		Масі	romol.			8130			
their potential applications 2112				<u> </u>		2112	,				
(d) Chapter/Paper Published in Edited Books	(d) Chap	oter/Paper Published	d in Edited	Book 	S						
Publicati Title of the Title of the Name & ISBN D Citation	Publicati		Γitle of the				ı	ISBN		Citation	
on Book Chapter Address of Dishlisher OI Google/			Chapter				/ea		OI	_	'
National/ Publisher web of	National/				Publishe	er				web of	

Internation al						science
Internatio	Applications of Nanocomposit e Materials in Drug Delivery	Alginate hydrogels as colon-targeted drug delivery system	AAP, CRC press, Taylor and Francis	2019	978-0- 42902- 343-9	
International	Recent Developments in Bio-Nano composites for Biomedical Applications	Polysaccharide- silica nanocomposites: Synthesis, Characterization and potential applications	Nova Publishers, New York, USA, pp.133-152	2010	978-1-61761-	
International	Handbook of Biopolymers and Their Applications	Cassia Seed Gums: A renewable reservoir for synthesizing high performance materials for water remediation	Wiley-Scrivener, USA	2012	978-0-47063-923- 8	9
National	Advancement and Futuristic trends in materials science	Role of synthetic polymers for the fabrication of isotropic pitch based carbon fiber	Allied Publishers, Delhi	2011	978-81- 8424-706-0	

#### I Invited as Resource Lectures Person/Examiner/Expert

Resource	Detail of Event	Title of Lecture	Date	Institution
person				
Invited	National Seminar on	Raman		KCMT, Bareilly
Talk	Advances in	Spectroscopy	06 Jan. 2017	-
	Spectroscopy			

### (f) Seminars/Conferences/Workshops Organized

- ♣ National Workshop on Recent Advances in Organic and Polymer Chemistry (RAOPC-14), FDP, 17-22 Feb. 2014), Applied Chemistry, MJPRU, Bareilly. (Organizing Secretary)
- **↓** Symposium on *Wavelets and its applications in Engineering problems*, 20-21 Dec. 2016, FET, MJPRU, Bareilly (**Programme Coordinator**)
- FDP on Innovative research on Materials in Science and Engg. [IRMSE-16], FET, MJPRU, Bareilly, 17-22 April 2016. (Assistant. Coordinator)

(g) Projects (With Title, Year, Grants, Funding Agency and Collaborations)

Year	Name of Project	<b>Funding Agency</b>	Amount	Duration	
			(lacs)	From	Till
2013	Microwave-Assisted Synthesis of Polymer- Silica Composites for	UGC, New Delhi	9	2013	2016

	Enzyme Immobilization studies				
2019	Minor research project	TEQIP-3	2	2019	Ongoing
	(Seed Grant)	MJPRU, Bareilly			

#### (h) Administrative Positions/Assignments Held

Post	Organization	Duration

- 1. Assistant Dean Student Welfare, MJPRU, Bareilly (2011 onwards)
- 2. Coordinator Online scholarship team of University.
- 3. Member of Admission committee of B.Tech. admission.
- 4. Member of online admission committee of the university (2019 and 2020)
- 5. Has been member of flying squad team during university examinations.
- 6. Has worked many times Assistant Coordinator in university central evaluation.
- 7. Convener of BoS/RDC, Applied Chemistry, M.J.P. Rohilkhand University (Campus), Bareilly [2014-2016]

#### (i) Seminar/Conference Presentations

- 1. Microwave promoted graft copolymerization of ethyl acrylate on to guar gum, National Conference on Application of material science of the society-second series, September 12-13, 2009, Department of Chemistry, C.M.P. College, Allahabad. pp- 23.
- **2.** Synthesis and Characterization of Guar gum-graft poly(acrylamide) templated silica: A luminescent adsorbent nanocomposite, **97**<sup>th</sup> Indian Science congress, January 03-07, 2010, Hosted by Indian Space organization Research (ISRO) and University of Kerala, Thiruvanantpuram, Kerala, (India) [*OP-3*].
- **3.** *Modification of Cassia Seed Polysaccharides for Water Remediation,* **National Conference** on Emerging Trends in Biochemistry & Satellite Symposium of the Academy of Environmental Biology (AEB), Department of Bio-Chemistry, University of Allahabad, Allahabad, January 23-24, 2010, *P-52*.
- **4.** Synthesis of Silica Nano Bio-composites for Bi-valent metal ions extraction from their aqueous Solutions, **National Seminar** on Contemporary Research in Material Science & Chemical Biology, January 31<sup>st</sup> to 2<sup>nd</sup> February-2010, Department of Chemistry, University of Allahabad, Allahabad.
- **5.** Synthesis of vinyl modified chitosan using redox system via thermal route, **CONIAPS**-XI<sup>th</sup> **Conference of International** Academy of Physical Sciences, University of Allahabad, Allahabad, February 20-22, 2010, *C031*.
- **6.** Microwave Assisted Synthesis of Poly(Acrylic acid)-g-Cassia-javanica Seed Gum and its Application for Heavy Metal Extraction from Aqueous Solution, National Seminar on "Recent Trends in Chemical Sciences", Department of Chemistry, A.P. S. University, Rewa (MP). 12-13 May 2010, (RCTS-OP-09).
- **7.** Enzyme immobilization on polymer-silica nanocomposites, **National seminar** on "Interface of Industry, Biology and Chemistry Research in 21st Century, Department of Chemistry, Allahabad University, Allahabad, 05-07th Febuary, 2011, pp-13.
- **8.** Fabrication of silica nano bio-composites templated on to polysaccharides as potential metal adsorbent, **National Seminar** on Advancements and Futuristic trends in material science (AFTMS 2011), Physics Department, M. J.P. Rohilkhand University, Bareilly, 26-27th March, 2011, *OP-16*.
- **9.** Role of synthetic polymers for the fabrication of isotropic pitch based carbon fiber, **National Seminar** on Advancements and Futuristic trends in material science (AFTMS 2011), Physics Department, M.J.P. Rohilkhand University, Bareilly, 26-27th March, 2011, *OP-52*.
- 10. Synthesis of Organic-Inorganic composites through non-conventional method. One day

- **international Seminar** on Recent trends on materials science (RTMS-2013) organized by Department of Physics (FET), M J P Rohilkhand University, Bareilly on November'21-2013.
- **11.** Modification of polysaccharides through high energy radiation initiation techniques, **National Conference** Brass Metal works, Health & Environment, Sponsored by ICSSR, 02-03 May-2015, at MM Degree College, Katghar, Moradabad.
- **12.** Synthesis and characterization of Carboxymethyl tamarind gum/silica nanohybrids for enzyme immobilization study. **National Conference** on advanced materials and processing (CAMP-2015) MNIT, Jaipur, 2-4 Dec. 2015.
- **13.** Improvement in native characteristics of ...... by gamma radiation, **2<sup>nd</sup> International conference** 2016, on *Innovations in chemical, biological and Environmental Sciences* at SS (PG) college, Shahajanpur, UP, on 12<sup>th</sup> February, 2016.
- **14.** Spectroscopy! Powerful...for chemists, **National seminar** on Advances in spectroscopy (AIS-2017) at KCMT, Bareilly on 6<sup>th</sup> Jan. 2017.
- **15.** One Day **Live Webinar** on "Opportunities and challenges of virtual labs and simulation" held on 30<sup>th</sup> August 2020 at Department of Chemistry, S. S. College, Shahajanpur.

#### (j) Memberships of Academic/Professional Bodies

- **Elected Fellow**, *Indian Chemical Society*, *Kolkata* (No. F/7949/ (LM).
- **Life Member**, *Indian Science Congress Association*, India (L14369).
- Life member of Material Research Society of India, IISc Banglore, India (LMB1268).
- Life membership, The Society for Polymer Science (NCL Pune). No. is 292.

# (k) Participation in Community Service / Exchange Programme / Consulting Activity ----- (l) International Academic Exposure ----- ----- ----- (m) Any Other Details (EDP/OP/PC/STC ettended)

- (m) Any Other Details (FDP/OP/RC/STC attended)
  - 1. Faculty Development Programme on "Ambient Air Quality and Stack Monitoring" under the sponsorship of TEQIP-II organized by Department of Chemical Engineering (FET), M.J.P. Rohilkhand University Bareilly, during 08-10 Feb. 2016.
  - **2.** One week **National workshop** on "Innovations and Research Trends in Mechanical and Production Engineering under FDP scheme sponsored by World Bank under TEQIP-II at Department of Mechanical Engineering (FET), M.J.P. Rohilkhand University Bareilly, during 25-29 April 2016.
  - **3.** Six days **National workshop** on "Innovative Research on Materials in Science & Engineering" under FDP scheme sponsored by World Bank under TEQIP-II at Department of Applied Chemistry (FET), M.J.P. Rohilkhand University Bareilly, during 17-22 April 2016.
  - **4. Faculty Development Programme** on "Ambient Air Quality and Stack Monitoring" under the sponsorship of TEQIP-II organized by Department of Chemical Engineering (FET), M.J.P. Rohilkhand University Bareilly, during 08-10 Feb. 2016
  - **5. Symposium** on "Wavelet and Its Applications in Engineering Problems" organized by Department of Mathematics (FET), M.J.P. Rohilkhand University Bareilly, during 20-21 December 2015.
  - **6.** Six days **International workshop** on Futuristic Materials: Characterization, Properties &

- Applications in Technologies (FMCPAT-14) under TEQIP-II (World Bank Scheme) at Department of Applied Physics (FET), M.J. P. Rohilkhand University Bareilly, during 17-22 July 2014.
- **7. Faculty Development Programme** on "Frontier Areas on Research in Mechanical Engineering" under TEQIP-II (World Bank Scheme) at Department of Mechanical Engineering (FET), M.J. P. Rohilkhand University Bareilly, during 25-29 March. 2014.
- **8.** Six days **National Workshop** on "Recent Advances in Organic & Polymer Chemistry" under TEQIP-II (world Bank Scheme) at Department of Applied Chemistry (FET), M.J. P. Rohilkhand University Bareilly, during 17-22 Feb. 2014.
- **9.** TEQIP-II sponsored **National Workshop** on Communication Skills for Change management in Classroom" under TEQIP-II (world Bank Scheme) at Department of Humanities (FET), M.J. P. Rohilkhand University Bareilly, during 9-14 Dec. 2013.
- **10. International Workshop** on "Biomedical imaging (BMI-2012)" Conducted by Department of CSIT (FET) M J P Rohilkhand University, Bareilly on 12-13 May 20012.
- **11.** UGC sponsored **Refresher programme** in Chemistry Discipline (ID) from *Jan. 27, 2012 to Feb.18, 2012* at, University of Lucknow, Lucknow.
- **12.** A Five days **SERC school** on "Polymer Based composites & Nano composites" sponsored by DST, New Delhi, India from 26<sup>th</sup> November to 1<sup>st</sup> December,2007 at Centre for Polymer Science and Engineering (CPSE), Indian Institute of Technology, Delhi.
- **13.** UGC sponsored **Refresher programme** in Chemistry Discipline from *Nov. 17, 2006 to Dec. 7, 2006* from Department of Chemistry, University of Allahabad, Allahabad.
- **14.** UGC sponsored **orientation programme** from *March 16*, 2005 to April 12, 2005 from ASC, University of Allahabad, Allahabad.

(Dr. Pramendra Kumar) Signature of Faculty Member