

LAL BHADUR SHASTRI GOVERNMENT COLLEGE, KOTPUTLI

FACULTY PROFILE

1. Name: Dr. Seema Pant
2. Designation: Professor
3. Subject: Chemistry
4. Contact No.: 9414383557
5. Email ID: drseemapant@yahoo.com
6. Qualification: M.Sc., Ph.D.



7. Teaching Experience: 31 Yrs
8. Ph.D. Title: Syntheses and Investigations of New 1,5-Benzothiazepines & Related Heterocycles, Awarded: 1992 by University of Rajasthan
9. Area of Research: Synthetic Organic Chemistry
10. No. of Research Publications: 45

S. No.	Title	Journal	Details	Year	ISSN
1	Facile Synthesis and Studies of 1,5-Benzothiazepine-2-carboxylic Acids	<i>Int. J. Sci. Dev. Res.</i>	7(12), 1206-09 (2022)	2022	24552631
2	Syntheses, Structural Evaluation and Antimicrobial Studies of Substituted-1,5-Benzothiazepines	<i>Int. J. Sci. Dev. Res.</i>	7(10), 270-274 (2022)	2022	24552631
3	Syntheses and studies of 8-substituted-2-(2-chlorophenyl/3-chlorophenyl)-4-(4-hydroxyphenyl /phenyl)-2,3/2,5-dihydro-1,5-benzothiazepines	<i>Asian J. Chem.</i>	33(11), 2653-2656 (2021)	2021	0975-427X
4	Facile Syntheses and Studies of 8-Substituted-4-(4-tert-butylphenyl/4-acetamidophenyl)-2,3-dihydro-1,5-Benzothiazepine-2-carboxylic Acids	<i>Asian J. Org. Med. Chem.</i>	5(1), 40-44 (2020)	2020	24568937
5	Syntheses of 1,5-Benzothiazepines: Part 52:Syntheses of 8-Substituted-2,5-dihydro-4-(4-bromophenyl)-2-(2-furyl/2,4-dichlorophenyl)-1,5-	<i>Asian J. Org. Med.</i>	3(3), 98-101 (2018)	2018	24568937

	benzothiazepines	<i>Chem.</i>			
6	Syntheses of 1,5-Benzothiazepines : Part 47 : Syntheses of 8-Substituted-2,3/2,5-dihydro-2-(2-hydroxyphenyl/3-nitrophenyl)-4-(2-furanyl/2-pyridyl)-1,5-benzothiazepines	<i>Asian Journal Chem. Environ. Res.</i>	11 (1-4), 74-78 (2018)	2018	09743049
7	Syntheses of 1,5-Benzothiazepines: Part 50: 8-Substituted-2,3/2,5-dihydro-2,4-diaryl-1,5-benzothiazepines as potential antimicrobial agents	<i>Asian J. Chem.</i>	30(4), 767-770 (2018)	2018	0975427X
8	Syntheses of 1,5-Benzothiazepines: Part 51: Syntheses of 8-Substituted-2,5-dihydro-4-(3-nitrophenyl)-2-phenyl-1,5-benzothiazepines	<i>Asian J. Exptl. Sci.</i>	32(1), 29-33 (2018)	2018	09715444
9	Syntheses of 1,5-Benzothiazepines: Part 48: Single Pot Syntheses and Antimicrobial Studies of 8-Substituted-4-(2,4/2,5disubstituted aryl) -2,3-dihydro-1,5-benzothiazepine-2-carboxylic acids	<i>Asian J. Chem.</i>	29(10), 2221-2223 (2017)	2017	0975427X
10	Syntheses of 1,5-Benzothiazepines: Part 46: Single Pot Syntheses and Antimicrobial Studies of 8-Substituted-2,5-dihydro-4-(4-hydroxyphenyl)-2-(substituted aryl)-1,5-benzothiazepines	<i>Indian J. Heterocyclic Chem.</i>	25(Oct-Dec), 179-184 (2016)	2016	09711627
11	Syntheses of 1,5-Benzothiazepines: Part 44: Syntheses of 8-Substituted-4-(4-bromophenyl)-2,5-dihydro-2-(4-methoxyphenyl/4-methylphenyl) -1,5-benzothiazepines	<i>Int. J. Chem.</i>	5(1), 19-25 (2016)	2016	22492119
12	Syntheses of 1,5-Benzothiazepines : Part XXXIX: Syntheses and Antimicrobial Studies of 8-Substituted -2, 5-dihydro -2-(furan-2-yl)-4-(2-hydroxyphenyl/4-methylphenyl)-1,5-benzothiazepines	<i>J. Indian Chem. Soc.</i>	92, 1467-1472 (2015)	2015	00194522
13	Syntheses of 1,5-Benzothiazepines: Part 45: Syntheses and Antimicrobial Studies of 8-Substituted-2,5-dihydro-4-(4-chlorophenyl/phenyl)-2-(3-	<i>Int. J. Curr. Res.</i>	2(11), 15-19 (2015)	2015	23485221

	nitrophenyl)-1,5-benzothiazepines	<i>Chem. Pharma. Sci.</i>			
14	Syntheses of 1,5-Benzothiazepines: Part 43: Syntheses and Antimicrobial Evaluation of 8-Substituted-2,5-dihydro-2-(3-chlorophenyl / 4-chlorophenyl) - 4-(4-methylphenyl)-1,5-benzothiazepines	<i>Int. J. Curr. Res. Chem. Pharma. Sci.</i>	1(7), 25-30 (2014)	2014	23485221
15	Syntheses and Antimicrobial Studies of 8-Substituted-2,5-dihydro-2-(3,4-dimethoxyphenyl)-4-(4-methylphenyl)-1,5-benzothiazepines	<i>Int. J. Chem. Sci. Appl.</i>	5(1), 7-12 (2014)	2014	22786015
16	“Syntheses of 1,5-Benzothiazepines: Part XLII- Syntheses and Antimicrobial Studies of 10-Substituted-7-(4-chlorophenyl/4-methoxyphenyl) -6a,7-dihydro-6-phenyl 6H [1] benzopyrano[3,4-c] [1,5] benzothiazepines,	<i>Int. J. Chem.</i>	3(4), 360-366 (2014)	2014	22492119
17	Synthesis of 1,5-Benzothiazepines: Part 41: Single Pot Synthesis and Antimicrobial Studies of 8-Substituted-2,5-dihydro-4-(4-substituted aryl)-2-(2-furyl) -1,5-benzothiazepines	<i>Indian J. Heterocyclic Chem.</i>	23(Apr-Jun), 381-386 (2014)	2014	09711627
18	Syntheses of 1,5-Benzothiazepines: Part XL-Syntheses and Antimicrobial Studies of 10-Substituted-6a,7-dihydro-6-(4-methoxyphenyl/phenyl) -7-(3-nitrophenyl) -6H [1] benzopyrano[3,4-c] [1,5] benzothiazepines,	<i>J. Indian Chem. Soc.</i>	90, 1441-1446 (2013)	2013	00194522
19	Syntheses of 1,5-Benzothiazepines: Part 38: Syntheses and antimicrobial evaluation of bicyclic 8-substituted-2,5-dihydro-2,4-diaryl-1,5-benzothiazepines and tetracyclic 10-substituted -6,7-diaryl -6a,7-dihydro-6H [1] benzopyrano [3,4-c] [1,5] benzothiazepines ,	<i>Indian J. Heterocyclic Chem.</i>	21, 341-348 (2012)	2012	09711627
	Syntheses of 1,5-Benzothiazepines:				

20	Part XXXVII: Syntheses of 8-substituted-2,5-dihydro-2-(4-methoxyphenyl/3,4-dimethoxyphenyl) -4-phenyl-1,5-benzothiazepines,	<i>Indian J. Heterocyclic Chem.</i>	19, 5-8 (2009)	2009	09711627
21	Syntheses of 1,5-Benzothiazepines: Part XXXVI: Syntheses and Antimicrobial Evaluation of 2-(2-Chlorophenyl)-4-(4-chlorophenyl/2-thienyl) -2,5-dihydro-8-substituted -1,5-benzothiazepines	<i>Phosphorus, Sulfur and Silicon and related elements</i>	183, 2974-2983 (2008)	2008	10426507
22	Syntheses of 1,5-Benzothiazepines: Part XXXIV: Syntheses and antimicrobial studies of 8-substituted-2,5-dihydro-2-(4-methoxyphenyl/3,4-dimethoxyphenyl)-4-(2-thienyl)-1,5-benzothiazepines,	<i>J. Indian Chem. Soc.</i>	85, 406-411 (2008).	2008	00194522
23	Syntheses of 1,5-Benzothiazepines: Part XXXIII – Syntheses and antimicrobial studies of 10-substituted -6-(4-methoxyphenyl)- 6H-6a,7-dihydro -7-(4-methoxyphenyl /3,4-dimethoxyphenyl) [1] benzopyrano [3,4-c] [1,5] benzothiazepines	<i>Indian J. Chem.</i>	46B, 1537-1544 (2007).	2007	03764699
24	Syntheses of 1,5-Benzothiazepines: Part XXXV- Syntheses and antimicrobial studies of 8-substituted-2-(2-chlorophenyl)-2,5-dihydro-4-(phenyl/1-naphthyl)-1,5-benzothiazepines	<i>Indian J. Heterocyclic Chem.</i>	16, 345-348 (2007).	2007	09711627
25	Syntheses of 1,5- Benzothiazepines - Part XXXII: Synthesis and antimicrobial studies of 8-substituted-2,5-dihydro-2-(4-pyridyl)-4-(2-thienyl)-1,5-benzothiazepines,	<i>Indian J. Chem.</i>	45B, 1525-1530 (2006).	2006	03764699
26	Synthesis of 1,5-Benzothiazepines: Part XXX- Synthesis and antimicrobial studies of 10-substituted-6a,7-dihydro-6H-7-(4-fluorophenyl)-6-phenyl[1]benzopyrano[3,4-c][1,5]	<i>Indian J. Chem.</i>	45B, 752-57 (2006).	2006	03764699

	benzothiazepines				
27	Syntheses of 1,5-Benzothiazepines: Part XXIX: Syntheses and antimicrobial studies of 10-substituted-6a,7-dihydro-6H -7- (4-ethoxyphenyl)-6-phenyl [1] benzopyrano [3,4-c] [1,5] benzothiazepines	<i>Indian J. Heterocyclic Chem.</i>	15, 289-90 (2006)	2006	09711627
28	Syntheses of 1,5- Benzothiazepines - Part XXXI: Syntheses and antimicrobial studies of 10- substituted-7-(monochloro/ dichlorophenyl)-6H-6a,7-dihydro-6-phenyl [1] benzopyrano [3,4-c] [1,5] benzothiazepines	<i>Phosphorus, Sulfur and Silicon and related elements</i>	180, 559-571 (2005)	2005	10426507
29	Syntheses of 1,5-Benzothiazepines - Part XXV: Syntheses of 2-(4-chlorophenyl)-4-(4-chlorophenyl)-2,5-dihydro-8-substituted-1,5-benzothiazepines	<i>Indian J. Heterocyclic Chem.</i>	10, 185-188 (2001)	2001	09711627
30	Syntheses of 1,5-Benzothiazepines - Part XXIII: Syntheses of 10-substituted-7-(4-chlorophenyl) -6a,7-dihydro- 6H -6-phenyl [1] benzopyrano [3,4-c] [1,5] benzothiazepines	<i>Indian J. Heterocyclic Chem.</i>	9, 233-234 (2000)	2000	09711627
31	Syntheses of 1,5-Benzothiazepines - Part-XXIV: Syntheses of 4-(4-chlorophenyl)-2-(4-dimethylaminophenyl)-2,5-dihydro-8-substituted-1,5-benzothiazepines	<i>Phosphorus, Sulfur and Silicon and related elements</i>	167, 1-8 (2000)	2000	10426507
32	Syntheses of 1,5-Benzothiazepines - Part XX: Syntheses of 8-substituted-2,5-dihydro-2-(4-N-dimethylaminophenyl)-4-(4-methoxyphenyl)-1,5-benzothiazepines	<i>Molecules</i>	3, 159-63 (1998).	1998	14203049
33	Syntheses of 1,5-Benzothiazepines - Part XVI: Syntheses of 8-ethoxy/fluoro-2-carboxy-4-(fluorinated aryl)-2,3-dihydro-1,5-benzothiazepines as prospective cardiovascular agents	<i>Phosphorus, Sulfur and Silicon and</i>	126, 193-99 (1997)	1997	10426507

		<i>related elements</i>			
34	Syntheses of 1,5-Benzothiazepines - Part XIX: Syntheses of 10-substituted benzopyranobenzothiazepines as prospective cardiovascular agents	<i>Indian J. Chem.</i>	36B, 1185-88 (1997)	1997	03764699
35	Syntheses of 1,5-Benzothiazepines - Part XVIII: Syntheses of potential fluorinated 2,4-diaryl-8-ethoxy/fluoro-2,5-dihydro-1,5-benzothiazepines as prospective cardiovascular agents	<i>Indian J. Chem.</i>	36B, 1181-84 (1997)	1997	03764699
36	Syntheses of 8-substituted-2-carboxy-4-(4-halophenyl)-2,3-dihydro-1,5-Benzothiazepines	<i>Phosphorus, Sulfur and Silicon and related elements</i>	117, 121-28 (1996)	1996	10426507
37	Syntheses of 8-substituted-2-carboxy-4-(4-fluorophenyl)-2,3-dihydro-1,5-benzothiazepines	<i>Phosphorus, Sulfur and Silicon and related elements</i>	113, 165-171 (1996)	1996	10426507
38	Syntheses of 1,5-Benzothiazepines - Part XIV: Syntheses of 8-substituted-2,5-dihydro-2-(4-dimethylaminophenyl)-4-phenyl-1,5-benzothiazepines and 8-substituted-2-(2-chlorophenyl)-2,5-dihydro-4-(4-methoxyphenyl)-1,5-benzothiazepines	<i>Indian J. Chem.</i>	35B, 794-97 (1996).	1996	03764699
39	Syntheses of 1,5-Benzothiazepines - Part XI: Syntheses of 4-(4-ethoxyanilino)-2-methyl-8-substituted-1,5-benzothiazepines	<i>J. Indian Chem. Soc.</i>	73, 83-84 (1996).	1996	00194522
40	Syntheses of 1,5-Benzothiazepines - Part IX: Syntheses of 8-substituted-4-(<i>p</i> -methoxyanilino)-2-methyl-1,5-benzothiazepines	<i>J. Indian Chem. Soc.</i>	71, 637-39 (1994)	1994	00194522
	Syntheses of 1,5-benzothiazepines- Part				

41	XII: Synthesis of 2,3-dihydro-2,4-dimethyl-2-(4-tolylamino)-8-substituted-1,5-benzothiazepines	<i>Indian J. Chem.</i>	33B, 988-89 (1994)	1994	03764699
42	Syntheses of 1,5-Benzothiazepines - Part XIII: Synthesis of 2,3-dihydro and 2,5-dihydro-1,5-benzothiazepines,	<i>Indian J. Chem.</i>	33B, 885-87 (1994)	1994	03764699
43	Syntheses of 10-substituted-6a,7-dihydro-7-(4-dimethylaminophenyl)-6-phenyl-6H[1]benzopyrano [3,4-c] [1,5] benzothiazepines	<i>Indian J. Chem.</i>	32B, 869-871 (1993)	1993	03764699
44	Syntheses of 1,5-Benzothiazepines-Part VIII: Synthesis of 2,4-(substituted diaryl)-8-ethoxy-2,5-dihydro-1,5-benzothiazepines	<i>J. Indian Chem. Soc.</i>	69, 342-44 (1992)	1992	00194522
45	Syntheses of 1,5-Benzothiazepines-Part VII: Synthesis of 8-substituted-2,5-dihydro-4-(<i>p</i> -anisyl)-2-phenyl-1,5-benzothiazepine	<i>J. Indian Chem. Soc.</i>	68, 418-19 (1991).	1991	00194522

11. No. of Ph.D. Awarded: 09 (Approved as Research Supervisor vide letter no. 1/G/99/4660 dated 21.9.99 of University of Rajasthan)

Name of Student	Topic	Year of Award
Dr. Hem Chandra	Syntheses of Prospective Bioactive novel 1,5-Benzopyranobenzothiazepines and Related Heterocycles	2002
Dr. Meha Sati	Syntheses of Prospective Biodynamic 1,5-Benzothiazepines	2004
Dr. Priyanka Sharma	Syntheses Prospective Bioactive Bicyclic and Tetracyclic Benzothiazepine Heterocycles	2008
Dr. Dharmveer Singh	Syntheses and Investigations of Prospective Bioactive Benzothiazepine Heterocycles	2010
Dr. Avinash	Syntheses of Potential Bioactive Novel Benzothiazepine Heterocycles	2014
Dr. Deepika Saxena	Syntheses of Bicyclic Benzothiazepines and Tetracyclic Benzopyranobenzothiazepines having Bioactive Prospects	2013
Dr. Meenakshi Yadav	Search for New Bicyclic and Polycyclic 1,5-Benzothiazepine Heterocycles	2016
Dr. Rajkumari Jadon	Syntheses and Pharmacological Studies of Prospective Bioactive Benzothiazepines	2016

Dr. Pushpa Godwal	1,5- Benzothiazepines: Syntheses of Bicyclic and Polycyclic Fused Ring Systems	2022
Sh. Radheshyam Kasana	1,5-Benzothiazepines: Synthesis And Bioactivity Investigations	Registered 18.10.19
Sh. Gajendra Singh Shekhawat	Syntheses and Investigations of Prospective Bioactive 1,5-Benzothiazepine Heterocycles	NET-JRF (CSIR) since 04.06.2022

12. No. of R & D Projects Details (Completed/Ongoing): Completed 06 Projects

S. No.	Title	Agency	Period	Grant Mobilized
1	Studies and Studies of Prospective Bioactive Bicyclic Benzothiazepines and Tetracyclic Benzopyranobenzothiazepines	CSIR	3.5 years (April 2007- Dec. 2010)	11,03,921/-
2	Synthesis of Prospective Bioactive Benzopyrano benzothiazepine Tetracycles	UGC	2 years (Dec. 2006- 2008)	40,000/-
3	Studies on Prospective Bioactive 1,5-Benzothiazepines	UGC	2 years (2004-2006)	1,00,000/-
4	Syntheses and Pharmacological Studies of Prospective Bioactive 1,5-Benzothiazepines	UGC	2.5 years (1997-1999)	30,000/-
5	Syntheses of Prospective Bioactive Bicyclic, Tricyclic and Tetracyclic 1,5-Benzothiazepines	UGC	3 years, 1.8.2012 to 31.12.2015	10,61,800/-
6	Syntheses of 1,5-Benzothiazepines of Pharmacological Potential	DST, Rajasthan	3 years 25.4.2016- 2019	5,83,200/-

13. No. of Conferences/Seminars/Symposiums/Workshops participated: >50

14. Member of various Academic Professional Bodies/Societies:

- i. Life Member: Indian Science Congress Association, Kolkata, India.
- ii. Life Member: Indian Chemical Society, Kolkata, India.

15. Achievements/Awards/Honors:

- i. State Level Dr. A. P. J. Abdul Kalam Shikshak Ratna Puraskar 2015 given by Puraskrit Shikshak Forum Rajasthan in October 2015
- ii. Certificate of Appreciation given by the Department of Science and Technology, Govt. of Rajasthan in March 2022.

16. Authored Book Chapters/Books /Books Edited by you (details with Title, Publisher, Place, Year & ISBN): VMOU Study Material in Organic Chemistry for B.Sc. Pt I, II and III

17. FDPs and Workshops

S. No.	Type of Course	Conducting University	Dates (From..to..)	Title of Course
1	Faculty Development Program	Ramanujan College, University of Delhi	18.5.20 to 3.6.20	Managing Online Classes and Co-creating MOOCs: 2.0
2	Faculty Development Program	Dept. of Science and Technology, Govt. of Rajasthan	16.4.20 to 22.4.20	Intellectual Property Rights
3	E-Workshop	IIT, Delhi	15.6.21	Virtual Labs: Learning Digitized
4	Faculty Development Program	Research Foundation of India and Sage University, Indore	17.8.22 to 25.8.22	NAAC Accreditation Framework: An Overview of New Guidelines
5.	Workshop	Mahatma Gandhi Institute of Governance and Social Sciences	19.12.22 to 24.12.22	Gandhi Darshan

18. Trainings / Teaching-Learning Courses attended:

Serial No.	Type of Course	Conducting University	Dates (From..to..)	Title of Course
1	Orientation Course	Academic Staff College, Univ. of Rajasthan, Jaipur	21.2.97 to 21.3.97	-
2	Refresher Course	Academic Staff College, Univ. of Rajasthan, Jaipur	8.3.99 to 27.3.99	-
3	Refresher Course	Academic Staff College, Univ. of Rajasthan, Jaipur	16.9.04 to 5.10.04	Recent Advances in Symmetry & Group Theory, Spectroscopy & Stereochemistry
4	Refresher Course	Academic Staff College, Univ. of Rajasthan, Jaipur	5.10.05 to 24.10.05	Bio-inorganic, Bio-organic, Bio-physical and Physical Organic Chemistry-Concepts

				and Perspectives
5	Training Program	HCM-RIPA, Jaipur	11.01.23 to 13.01.23	Prevention of Crime Against Women and Children

19. Contribution in College Services: (Nodal officer/Coordinator/Convener/Member) :

Serial No.	Name of Committee	Position
1	P.G. Admission Committee	Nodal Officer
2	AISHE Committee	Convener & Nodal Officer
3	Research Fellowship Scheme	Convener
4	UGC and NIRF Committee	Convener
5	Campus Placement and Career Counseling Cell	Coordinator
6	Library Physical Verification for 2022	Coordinator

20. Hobbies: Teaching & Social Service etc.