

Curriculum Vitae

1.

GENERAL PARTICULARS



Name: Dr. Sanmati Kumar Jain

Designation: Professor

Name of the Department/University:

Department of Pharmacy (Formerly SLT Institute of Pharmaceutical Sciences),
Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur (CG) -495009

Date of Birth: March 17, 1972

Sex (M/F): M

Qualifications: M. Pharm., Ph.D.

Area of Interest/Specialization: Medicinal Chemistry; Drug Design; Natural Products /
Pharmaceutical Chemistry

Experience: 23 years

2.

EDUCATIONAL DETAILS (GRADUATION ONWARDS)

S. No.	Institution	Degree Awarded	Year	Division	Field of Study
1	Dr. Harisingh Gour Vishwavidyalaya, Sagar (M.P.)	B. Pharm.	1993	First	Pharm. Sci.
2	Dr. Harisingh Gour Vishwavidyalaya, Sagar (M.P.)	M .Pharm.	1995	First	Pharm. Chem.
3	Dr. Harisingh Gour Vishwavidyalaya, Sagar (M.P.)	Ph.D.	2002	Awarded	Pharm. Chem.
4	Dept. of Education, Ministry of HRD, Govt. of India	GATE	1995	All India Rank 29	Pharm. Sci.

3.		PROFESSIONAL CAREER (STARTING WITH THE MOST RECENT EMPLOYMENT)			
S. No.	Institution	Position	From (Date)	To (Date)	
1	Guru Ghasidas Vishwavidyalaya, Bilaspur (CG)	Professor	08-12-2022	Till date	
2	Guru Ghasidas Vishwavidyalaya, Bilaspur (CG)	Associate Professor	01-07-2008	07-12-2022	
3	Guru Ghasidas Vishwavidyalaya, Bilaspur (CG)	Reader	01-07-2005	30-06-2008	
4	Guru Ghasidas Vishwavidyalaya, Bilaspur (CG)	Lecturer	24-10-2002	30-06-2005	
5	Jiwaji University, Gwalior (MP)	Lecturer	07-01-2002	23-10-2002	
6	College of Pharmacy, Mandsaur (MP)	Lecturer	16-04-2001	05-01-2002	
7	Lachoo Memorial College of Pharmacy, Jodhpur (Rajasthan)	Lecturer	17-11-1995	17-03-1996	
4.		HONORS/ AWARDS			
	<div>i. Qualified GATE with All India Rank 29.</div> <div>ii. Received Research Fellowship in Engg. &Technology , UGC, New Delhi.</div> <div>iii. Received Best Research Paper Award by Institution of Chemists (India), Kolkata.</div> <div>iv. Received Best Researcher Award in the National Conference.</div> <div>v. "Best Article Award" for research work entitled “SUSTAINABLE AND GREEN APPROACHES IN NOVEL DRUG DELIVERY SYSTEMS: INNOVATIONS IN ECO-FRIENDLY DRUG DELIVERY TECHNOLOGIES” published in WORLD JOURNAL OF ADVANCE HEALTHCARE RESEARCH (WJAHR), Volume 8, Issue 10, 2024.</div> <div>vi. "International Outstanding Academician Award" by Asia Research Awards in the conference International Science, Technology and Research Awards Congress 2024.</div> <div>vii. "Best Scientist Award" by Mantra Research Solution in collaboration with Mantra Publication.</div>				
5.		PUBLICATIONS (NUMBERS ONLY)			
	<div>i. Books: 05</div> <div>ii. Research Papers, Reports: 119</div> <div>iii. General articles:01</div> <div>iv. Patents: Granted - 62; Published - 4</div> <div>v. Others (Please specify):</div> <div>Supervised: Ph.D. – 03 (Awarded); M. Pharm. Dissertation-32</div> <div>Book Chapters: 70 (Published), 01(Accepted); Research Project: 01(Completed).</div>				

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I. Papers published in the Refereed Journals.

S. No.	Title with Authors, Vol. Year Page nos. (Reference)	Name of the Journal
1	Synthesis and Antibacterial Activity of some 4-Thiazolidinones, Pradeep Mishra, Ashmita Gajbhiye & Sanmati K Jain, 12(3), 1996, 325-326. ISSN:0970-020X; Peer reviewed & indexed	<i>Oriental Journal of Chemistry</i>
2	Synthesis and Anti-inflammatory Activity of some Naproxen Derivatives, Pradeep Mishra, Anupam Trivedi, Sanmati K Jain & A. C. Rana, 69, Part 2, 1997, 49-51. ISSN: 0020-3254; Peer reviewed & indexed	<i>J. Inst. Chemists (India),</i>
3	Synthesis of some New Quinazolin-4(3H)-ones as Possible Anti-microbial Agents, Pradeep Mishra, Sanmati K Jain & Sandeep Jain, 74, 1997, 816-817. ISSN: 0019 4522; Peer reviewed & indexed	<i>J. Indian Chem. Soc.</i>
4	Synthesis of some Isoxazole Derivatives for their Analgesic and Anti-inflammatory Activities, A. Mishra, Sanmati K Jain & JG Asthana, 12(3), 1998, 151-152. ISSN:0970-020X; Peer reviewed & indexed	<i>Oriental Journal of Chemistry</i>
5	Synthesis and Anti-microbial Activity of 4-Thiazolidinones, P Mishra, KP Namdeo, Sanmati K Jain & Sandeep Jain, 11(1), 1999, 55-58. ISSN: 0970-7077 ; Peer reviewed & indexed	<i>Asian Journal of Chemistry</i>
6	Synthesis of Some 2-Amino-5-Aryl-1,3,4-Thiadiazoles, Sanmati K Jain & P Mishra, 12 (4), 2000, 1341-1343. ISSN: 0970-7077 ; Peer reviewed & indexed	<i>Asian Journal of Chemistry</i>
7	<i>In-vitro</i> Anti-microbial Activity of Some 2-(substituted acyl)amino-5-Aryl-1,3,4-Thiadiazoles, Sanmati K Jain & P Mishra, 42, 2002, 269-271. ISSN: 0046-8991; Peer reviewed & indexed	<i>Indian Journal of Microbiology</i>
8	Bioisosterism and Drug Design, Jain S.K. & Gupta S 40(4), 2003, 193-206.	<i>Indian Drugs</i>

	ISSN: 0019-462X; Peer reviewed & indexed	
9	Pharmacophore Mapping and Drug Design, Sanmati K Jain & A. Chincholikar 66 (1), (2004), 11-17. ISSN:0250-474X; Peer reviewed & indexed;	<i>Indian J. Pharm. Sci.</i>
10	Preparation and pharmacological evaluation of some 1,3,4-thiadiazole derivatives, Sanmati K Jain & P Mishra, 43B, 2004, 184-188. ISSN: 0376-4699; Peer reviewed & indexed;	<i>Indian Journal of Chemistry</i>
11	<i>De novo</i> Drug Design: An Overview, Sanmati K Jain & A. Agrawal 66 (6), 2004, 721-728. ISSN:0250-474X; Peer reviewed & indexed	<i>Indian J. Pharm. Sci.</i>
12	2D-QSAR in 2-substituted acetamido-5-phenyl-1,3,4-thiadiazoles as diuretic agents, Sanmati K Jain & P Mishra 14(3), 2005, 205-208. ISSN: 0971-1627; Peer reviewed & indexed	<i>Indian J. Heterocyclic Chem.</i>
13	CoMFA-A 3D-QSAR Approach and its Applications, Sanmati K Jain 39(02), 2005, 103-107. ISSN: 0019-5464; Peer reviewed & indexed;	<i>Indian Journal of Pharmaceutical Education & Research</i>
14	QSAR analysis of some 2-substituted acetamido-5-phenyl-1,3,4-thiadiazoles as diuretic agents, Sanmati K Jain & P Mishra 77(5), 2005, 136-141. ISSN: 0020-3254; Peer reviewed & indexed	<i>Journal of Institution of Chemists (India)</i>
15	Synthesis and Antimicrobial Activity of Novel 2-Methyl-3-(1'3'4-Thiadiazol)-4-(3H) Quina- zolinones, VarshaJatav, S.K. Jain, S.K. Kashaw and P. Mishra 68 (3), 2006, 360-363. ISSN:0250-474X; Peer reviewed & indexed	<i>Indian J. Pharm. Sci.</i>
16	QSAR studies of some 4-(Substituted) Phenoxy-2-(4-Methyl-1-Piperazinyl) Quinazolines as Anticonvulsive Agents, Sanmati K Jain 18 (1), 2006, 523-527. ISSN: 0970-7077 ; Peer reviewed & indexed	<i>Asian Journal of Chemistry</i>
17	QSAR studies of some substituted 5,6-dihydropyran-2-ones as protease inhibitors, Sanmati K Jain and A.K. Jha 78(4), 2006, 109-117. ISSN: 0020-3254; Peer reviewed & indexed	<i>Journal of Institution of Chemists (India)</i>
18	Bioassay design in high throughput screening, Harish Rajak, SushilKashaw, Sanmati Jain, Pradeep Mishra 7(2), 2006, 61-65. Peer reviewed & indexed	<i>Journal of Science and Pharmacy</i>
19	Preparation and in-vitro drug release study of Piroxicam from modified pulsincap capsules Lanjhiyana SK, Agrawal GP, Dangi JS, Jain SK and Lanjhiyana S 44(3), 2007, 180-184.	<i>Indian Drugs</i>

	ISSN: 0019-462X; Peer reviewed & indexed	
20	<p>QSAR analysis on pyrazolidine-1-carboxamide derivatives as dipeptidyl peptidase IV inhibitors Sanmati K Jain, Naveen Raj, Harish Rajak&Ashutosh Mishra, 80(3), 2008, 77. ISSN: 0020-3254; Peer reviewed & indexed</p>	<i>Journal of Institution of Chemists (India)</i>
21	<p>2D-QSAR analysis on Some N-Alkyl-N-[1-(3,3-Diphenyl Propyl)Piperidin-4-yl]-2-Aryl Acetamides as CCR5 Receptor Modulators, Sanmati K Jain, Sumit Jain and P. Dewangan 5(1), 2010, 25-34. ISSN No.: 0973-3045; Peer reviewed & indexed</p>	<i>The Pharmacist</i>
22	<p>Traditional medicinal plants as anticancer agents from Chhattisgarh, India: An Overview, Ritesh Jain, Sanmati K. Jain, 2, 2010, 186-196. ISSN No.: 0975-0185; Peer reviewed & indexed</p>	<i>International Journal of Phytomedicine</i>
23	<p>Various Screening Methods for Anti-allergic Activity: An Overview, N.R. Raj, S.K.Jain, C.N.Raj and A.B.Panda, 3(2), 2010, 906-911. ISSN: 0974-3278; Peer reviewed & indexed</p>	<i>International Journal of Pharmaceutical Sciences and Nanotechnology</i>
24	<p>2D and 3D-QSAR analysis on some 1,3-disubstituted Urea Derivatives for Antiproliferative Activity, Sanmati K. Jain, Ravindra D. Dubey, S. Mallick et. al., 2(6), 2010, 125-133. ISSN No.: 0975-413X; Peer reviewed & indexed</p>	<i>Der PharmaChemica</i>
25	<p>Synthesis and Evaluation of Some 2-[(Substituted) ethanoyl]amino-5-aryl-1,3,4-thiadiazoles as Diuretic Agents, Sanmai K. Jain and Pradeep Mishra, 23 (3), 2011, 1305-1308. ISSN: 0970-7077; Peer reviewed & indexed</p>	<i>Asian Journal of Chemistry</i>
26	<p>Synthesis and evaluation of some 1,3-disubstituted urea derivatives for antiproliferative activity, KhemkaranAhrwar, Sanmati K. Jain, BinaGidwani, 2(12), 2011, 209-218. ISSN No.: 0974-9446; Peer reviewed & indexed</p>	<i>International Journal of Pharma. Research & Development –Online (IJPRD)</i>
27	<p>Quantitative Structure Activity Relationship (QSAR) Analysis on Arylbenzofuran Derivatives as Histamine H3 Antagonists, Sanmati K. Jain and PriyankaSinha, 3(1), 2011, 572-579. ISSN No.: 0975-413X; Peer reviewed & indexed</p>	<i>Der PharmaChemica</i>
28	<p>2D-QSAR analysis on 4-Fluoro-2-Cyanopyrroli -dine derivatives as DPP-IV Inhibitors , Sanmati K. Jain, S. Mallick, R. Dubey et. al., 1(1), 2011, 14-25.</p>	<i>Journal of Computational Methods and Molecular Design</i>

	ISSN No.: 2231-3176 ; Peer reviewed & indexed	
29	3D-QSAR of 2,5-disubstituted-1,3,4-thiadiazole derivatives as diuretic agents: A comparative molecular field analysis study, Sanmai K. Jain and Pradeep Mishra, 1(1), 2011, 52-58. ISSN No.: 2231-3176 ; Peer reviewed & indexed	<i>Journal of Computational Methods and Molecular Design</i>
30	Conventional QSAR analysis on 2-cyano-4-fluoro-1-thiovalylpyrrolidine analogues as dipeptidyl peptidase-IV inhibitors, Sanmati K. Jain, Sarthak Rout and AmitaJaiswal, 2(3), 2011, 20-30. ISSN No.: 0976-8688; Peer reviewed & indexed	<i>Der Pharmacia Sinica</i>
31	Three Dimensional Quantitative Structure Activity Relationship (QSAR) Analysis on Arylbenzofuran Derivatives as Histamine H3 Antagonists using k-Nearest Neighbor Molecular Field Analysis, Sanmati K. Jain and PriyankaSinha, 3(3), 2011, 69-81. ISSN 0975-5071; Peer reviewed & indexed	<i>Der Pharmacia Letttre</i>
32	Aloe-emodin novel anticancer Herbal Drug KhemkaranAhirwar, Sanmati K. Jain, 3, 2011, 27-31. ISSN No.: 0975-0185; Peer reviewed & indexed	<i>International Journal of Phytomedicine,</i>
33	Fragile X Syndrome is the Most Common Form of Inherited Mental Retardation, KhemkaranAhirwar, S.S. Shukla, Vijay Singh, Sanmati K. Jain, 1(5), 2011, 40-53. ISSN No.: 2229-6824; Peer reviewed & indexed	<i>IJPI's Journal of Biotechnology and Biotherapeutics</i>
34	3D-QSAR Analysis on Pyrrolidine Derivatives as DPP IV Inhibitors, S.K. Jain, S. Vishwakarma and P. Nayak, 2 (3) ,2011, 1021-1032. ISSN No.: 2229-3701; Peer reviewed & indexed	<i>International Journal of Research in Pharmaceutical and Biomedical Sciences</i>
35	QSAR analysis on some N-Alkyl-N-[1-(3,3-Diphenyl Propyl)Piperidin-4-yl]-2-Aryl Acetamides as CCR5 Receptor Modulators, Sanmati K Jain, Sumit Jain and Ashutosh Mishra, 83 (5), 2011,129-140. ISSN: 0020-3254; Peer reviewed & indexed	<i>Journal of Institution of Chemists (India),</i>
36	2D QSAR Analysis on 5 β -Methylprolyl-2-Cyanopyrrolidine Derivatives as DPP IV Inhibitors, S.K. Jain, S. Vishwakarma and P. Nayak, 3 (4), 2011, 158-170. ISSN No.: 0975-413X; Peer reviewed & indexed	<i>Der PharmaChemica,</i>
37	Comparative Molecular Field Analysis Study on Some 1,3,4-Thiadiazole Derivatives as Anti-inflammatory Agents, Sanmai K. Jain and Pradeep Mishra,	<i>Journal of Computational Methods and Molecular Design,</i>

	1 (3), 2011,29-38. ISSN No.: 2231-3176 ; Peer reviewed & indexed	
38	3D-QSAR Analysis on Oxadiazole Derivatives as Anticancer Agents, Sanmati K Jain Arvind K. Yadav, PragyaNayak, 3(3), 2011, 230-235. ISSN No.: 0975X-248X; Peer reviewed & indexed	<i>International Journal of Pharmaceutical Sciences and Drug Reserch</i>
39	Screening of <i>in vitro</i> cytotoxicity of some medicinal plants used traditionally to treat cancer in Chhattisgarh state, India. Ritesh Jain and Sanmati K Jain*, 2011, S147-S150. ISSN: 2221-1691;Peer reviewed & indexed [Elsevier]; SJIR: 0.570	<i>Asian Pacific Journal of Tropical Biomedicine</i>
40	<i>In-vitro</i> Anti-microbial Activity of Some 2-(substituted)amino-5-Aryl-1,3,4-Thiadiazoles, Sanmai K. Jain and Pradeep Mishra, 1 (2), 2011,1-6. ISSN: 2248-9215; Peer reviewed & indexed	<i>European Journal of Experimental Biology</i>
41	2D-QSAR Analysis on Oxadiazole Derivatives as Anticancer Agents, Sanmati K Jain Arvind K. Yadav, PragyaNayak, 3(4), 2011, 27-33. ISSN: 0975-7066; Peer reviewed & indexed	<i>International Journal of Current Pharmaceutical Reserch,</i>
42	Total Phenolic contents and Antioxidant Activities of some selected Anticancer Medicinal Plants from Chhattisgarh State, India. Ritesh Jain, Sanmati K. Jain*, 2011, 755-762. ISSN: 1827-8620; Peer reviewed & indexed	<i>Pharmacologyonline2</i>
43	3D-QSAR ANALYSIS ON USING K-NEAREST NEIGHBOR MOLECULAR FIELD ANALYSIS (kNN-MFA), Naveen Raj, Sanmati K Jain, 6(4), 2011, 1811-1821 ISSN 1842 – 3582; Peer reviewed & indexed	<i>Digest Journal of Nanomaterials and Biostructures</i>
44	Effect of BuchananialanzanSpreng. Bark Extract on Cyclophosphamide induced Genotoxicity and Oxidative Stress in Mice. Ritesh Jain, Sanmati K. Jain*, 5(3), 2012, 187-191. ISSN:1995-7645; Peer reviewed & indexed [Elsevier]	<i>Asian Pacific Journal of Tropical Medicine</i>
45	QSAR Analysis on 2-(4-(Piperidin-1-yl)piperidin-1-yl)-6-Substituted Thiazolo[4,5-B]Pyridines as H ₃ Receptor Antagonists Sanmati K. Jain*, LokeshSahu, Rahul Jain and Arvind K. Yadav, 4 (3), 2012,1080-1088.	<i>Der PharmaChemica,</i>

	ISSN No.: 0975-413X; Peer reviewed & indexed	
46	COMPARATIVE MOLECULAR FIELD ANALYSIS STUDY ON 2-(SUBSTITUTED)-N-(5-ARYL-1,3,4-THIADIAZOL-2-YL) ACETAMIDE DERIVATIVES FOR SPONTANEOUS MOTOR ACTIVITY, Sanmati K Jain & P Mishra, 4 (3), 2012, 1145-1152. ISSN No.: 0975-413X; Peer reviewed & indexed	<i>Der PharmaChemica,</i>
47	QSAR ANALYSIS ON 3,5-DISUBSTITUTED-4,5-DIHYDROPYRAZOLE -1-CARBOTHIOAMIDES AS EPIDERMAL GROWTH FACTOR RECEPTOR (EGFR) KINASE INHIBITORS, Sanmati K. Jain*, Rahul Jain, Lokesh Sahu and Arvind K. Yadav 4(6), 2012, 3215-3223. ISSN No.: 0975-7384; Peer reviewed & indexed	<i>Journal of Chemical and Pharmaceutical Research</i>
48	QSAR Analysis on 3,4-disubstituted-1H-pyrazol-5(4H)-ones as KDR/VEGFR-2 kinase inhibitors, Sanmati K. Jain*, Rahul Jain, Lokesh Sahu and Arvind K. Yadav, 4 (4), 2012, 1060-1070. ISSN 0975-5071; Peer reviewed & indexed	<i>Der Pharmacia Lettre</i>
49	2D QSAR Study of Substituted 2-Phenyl-Benzimidazole Derivatives as Potent Anti Allergic Agents, Navin Raj*, Sanmati K. Jain, 4(4), 2012, 1350-1360. ISSN : 0974-4290; Peer reviewed & indexed	<i>International Journal of ChemTech Research</i>
50	3D QSAR Analysis on Arylbenzofuran derivatives as Histamine H3 Receptor Inhibitors using k Nearest Neighbor Molecular Field Analysis (KNNMFA), Sanmati K. Jain* and Sudip Nag, 4(4), 2012, 1691-1702. ISSN : 0974-4304; Peer reviewed & indexed	<i>International Journal of PharmTech Research</i>
51	3D QSAR Analysis of Some Piperidinyl Amide and Ureas as CCR5 Antagonist, Naveen K. Mahobia1*, Sanmati K. Jain2, Roshan Patel1, Sudarshan K. Singh3, Achal Mishra4, Ravindra Dhar Dubey 5, 5(9), 2012, 4706-4709. ISSN: 0974-6943; Peer reviewed & indexed	<i>Journal of Pharmacy Research</i>
52	NOVEL 1, 1-DIMETHYL-3-PHENYL-3-(5-PHENYL-1,3,4-THIADIAZOL-2-YL) UREA DERIVATIVE HAS POTENTIAL ANTI-PROLIFERATIVE ACTIVITY AGAINST HUMAN LEUKEMIA CELL LINES - K562 Khemkaran Ahirwar1*, Sanmati K. Jain2, Bholenath Tamrakar1, 2(1), 2014, 52-60. ISSN No. 2348 – 0335; Peer reviewed & indexed	<i>Journal of Applied Pharmaceutical Research,</i>
53	Study of analgesic and anti-inflammatory activity of some -2-substituted acetamido-5-aryl-1,3,4-thiadiazoles,	<i>European Journal of Experimental Biology</i>

	Sanmati K. Jain and Pradeep Mishra, 4(2), 2014, 337-341. ISSN: 2248-9215; Peer reviewed & indexed	
54	Evaluation of analgesic and anti-inflammatory activity of some-2,5-disubstituted -1,3,4-thiadiazoles, Sanmati K. Jain and Pradeep Mishra, 6(3), 2014, 146-150. ISSN 0975-5071; Peer reviewed & indexed	Der Pharmacia Lettre
55	3D QSAR studies on thiazolidinone derivatives as potential epidermal growth factor receptor inhibitors, Sanmati K Jain*, Ravi Tripathi and PiyushGhode, 3(6), 2014,890-901. ISSN 2277-7105; Peer reviewed & indexed	World Journal of Pharmaceutical Research
56	Synthesis and biological evaluation of 3,5-disubstituted-1,2,4-oxadiazoles as antihistaminic agents, Sanmati K. Jain and JyotsanaNandan 3(7), 2014, 762-773. ISSN 2278-4357; Peer reviewed & indexed	World Journal of Pharmacy and Pharmaceutical Sciences
57	Conventional QSAR studies of thiazolidinone derivatives as potential epidermal growth factor receptor inhibitors, Sanmati K. Jain, Ravi Tripathi and PiyushGhode, 3(8), 2014, 1811-1821. ISSN 2278-4357; Peer reviewed & indexed	World Journal of Pharmacy and Pharmaceutical Sciences
58	Appraisal of analgesic and anti-inflammatory activity of some 2,5-disubstituted-1,3,4-thiadiazoles, Sanmati K. Jain and Pradeep Mishra, 3(10) , 2014,849-855. ISSN 2319-7706; Peer reviewed & indexed	International Journal of Current Microbiology and Applied Sciences
59	3D QSAR Analysis on Isatin Derivatives as Carboxyl Esterase Inhibitors Using K-Nearest Neighbor Molecular Field Analysis, Sanmati KJ*, Achal M, 2:2, 2015 http://dx.doi.org/10.4172/jtco.1000124 ISSN 2376-130X; Peer reviewed & indexed	Journal of Theoretical & Computational Science,
60	Quantitative Structure Activity Relationship Studies on Imidazo [2, 1-b][1, 3, 4] thiadiazole Derivatives as Murine Leukemia Cell Inhibitors, Sanmati K. Jain*, Vikas Singh, PiyushGhode, 27(11), 2015,4040-4044. ISSN: 0970-7077; Peer reviewed & indexed; Impact	Asian Journal of Chemistry
61	Quantitative Structure Activity Relationship (QSAR) Analysis on Imidazo [2, 1-b][1, 3, 4] thiadiazole Derivatives as Murine Leukemia Cell (L1210) Inhibitors: A Free Wilson Approach, Sanmati K. Jain*, Vikas Singh, PiyushGhode, 25, 2015, 11-18. ISSN: 0971-1627; Peer reviewed & indexed;	Indian Journal of Heterocyclic Chemistry
62	2-(2-Arylidenehydrazinyl) thiazol-4(5H)-ones as Epidermal Growth Factor Receptor inhibitors: A Combined	Current Enzyme Inhibition

	Quantitative Structure Activity Relationship and Pharmacophore Study PiyushGhode, Ravi Tripathi and Sanmati K Jain*, 12(2),2016, 137-144. DOI:10.2174/1573408011666150817201136 ISSN: 1875-6662 (Online); ISSN: 1573-4080 (Print)	
63	3D QSAR Studies on Some 5-(<i>1H</i> -Indol-5-yl)-1, 3, 4-Thiadiazol-2 Amines as Potential PIM-1 Inhibitors PancheTulesh Kumar, GhodePiyush, Jain Sanmati Kumar*, Vol 9, Issue 2, Apr-Jun, 2017, 162-167.	Journal of Young Pharmacist
64	Ligand Based In-silico Study on Pyridopyrimidinedione Derivatives as Dipeptidyl Peptidase-IV Inhibitors GhodePiyush, Jain Sanmati Kumar*, Vol 51, Issue 4, Oct-Dec, 2017, 136-143. DOI: 10.5530/ijper.51.1.18 ISSN: 0019-5464; Peer reviewed & indexed	Indian Journal of Pharmaceutical Education and Research
65	<i>De-novo</i> Design of Some New Lead Compounds as Dipeptidyl Peptidase-IV Inhibitors PiyushGhode, Sanmati K. Jain Journal of Drug Delivery & Therapeutics, Vol 7, Issue 7, 2017:165-167 ISSN: 2250-1177; Peer reviewed & indexed	Journal of Drug Delivery & Therapeutics
66	Structural Requirements for some 3-amino-N-substituted-4-(substituted phenyl) Butanamides as Dipeptidyl Peptidase-IV Inhibitors Using 3D-QSAR and Molecular Docking Approaches P. GHODE AND S. K. JAIN* Vol79, Issue 6, November-December 2017:974-986 ISSN:0250-474X; Peer reviewed & indexed	Indian J Pharm Sci
67	Quantitative structure–activity relationship and combinatorial design of 1,3,4-oxadiazolebased thymidine phosphorylase inhibitors as potential anti-cancer agents Shalini Bajaj, PiyushGhode, Jagadish Singh, ParthaPratim Roy and Sanmati Kumar Jain* VOL. 114, NO. 10, 25 MAY 2018, 2063-2071 ISSN: 0011–3891; Peer reviewed & indexed	Current Science
68	QSAR Analysis of some N, N-diphenyl urea derivatives as CCR5 Receptor Antagonist Yogesh Vaishnav1*, Aloksingh Thakur1, Chanchal Deep Kaur1, Shekhar Verma2, Achal Mishra3, Sanmati Kumar Jain4 , Piyush Ghode5 2018; 11(9): 3802-3810. DOI: 10.5958/0974-360X.2018.00697.2 ISSN Print : 0974-3618; ISSN Online : 0974-360X	<i>Research J. Pharm. and Tech.</i>
69	3D-QSAR and Molecular Docking Studies on Oxadiazole Substituted Benzimidazole Derivatives: Validation of	Curr. Comput. Aided Drug Des.

	Experimental Inhibitory Potencies Towards COX-2 Vivek Asati ¹ , Piyush Ghode ^{1,2} , Shalini Bajaj ¹ , Sanmati Kumar Jain ¹ and Sanjay Kumar Bharti ¹ CurrComput Aided Drug Des, 2019;15(4):277-293.	
70	Quantification of β -Sitosterol in <i>SesbaniaGrandiflora</i> Bark using High Performance Thin Layer Chromatography Ritesh Jain, ¹ Milan Hait, ^{2,*} Sanmati K. Jain ^{3,*}	ES Food Agrofor., 2022, 9, 37-42. (ES Food and Agroforestry)
71	Design of amide bioisosteres of flutamide as novel androgen receptor antagonist in prostate cancer therapy Ajay K. Gupta, Sanmati K. Jain (Research Journal of Pharmacy and Technology ¹)	<i>Research J. Pharm. and Tech</i> 2022; 15(10):4667-4676. DOI: 10.52711/0974-360X.2022.00783
72	“SIMULTANEOUS REVERSE PHASE-HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (RP-HPLC) ESTIMATION OF AZELASTINE HYDROCHLORIDE, FLUTICASONE PROPIONATE AND PHENYL ETHYL ALCOHOL IN DYMISTA NASAL SPRAY”. A. K. Gupta ^{1,2} , P. K. Singour ² and S. K. Jain ^{1*}	Rasayan Journal of Chemistry, 2023, 16(1), pp. 76-84.
73	Design of <i>p</i> -methylBioisosters of Celecoxib as Selective COX-II Inhibitors Using Bioisosteric Approach Dipti Pal, Smita Suthar, Aman Naskar and Sanmati K. Jain *	Chhattisgarh Journal of Science and Technology CJST
74	Design of EthanolicBioisosteres of Miglitol as Novel Alpha-Glucosidase Enzyme Inhibitor for Diabetes Mellitus Smita Suthar [#] , Dipti Pal, Aman Naskar, Sanmati K. Jain*	Chhattisgarh Journal of Science and Technology CJST
75	QSAR ANALYSIS ON CRF ₁ RECEPTOR ANTAGONISTS Sanmati Kumar Jain*, Sanjay Kumar Lanjhiyana	Chhattisgarh Journal of Science and Technology CJST
76	Design of Phenyl urea Bioisosteres of Sorafenib as Novel VEGFR-2 Inhibitor in Hepatocellular Carcinoma AMAN NASKAR, DIPTI PAL, SMITA SUTHAR, SANJAY KUMAR LANJHIYANA, SANMATI KUMAR JAIN*	Chhattisgarh Journal of Science and Technology CJST
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1	Sanmati Kumar Jain (Editor)	Bioisosteric Approach and Drug Design	2024	ISBN: 978-93-94174-48-1	Department of Pharmacy, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur 495009, Chhattisgarh, India	Excellent Publishers, India
2	Sanmati Kumar Jain (Editor)	Futuristic Trends in Chemical, Material Sciences & Nano Technology Volume 3, Book 12, 2024, IIP Series	2024	ISBN: 978-93-94174-48-1	Department of Pharmacy, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur 495009, Chhattisgarh, India	Iterative International Publishers, Selfypage Developers Pvt. Ltd., Pushpagiri Complex, Beside SBI Housing Board, K.M. Road Chikkamagaluru, Karnataka.
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4	Dr. Sanmati Kumar Jain, Mr. Rakshit Choksi, Mrs. Ritu Rani Yadav, Mr. Pravin Kumar Sahu, Ms. Bhagyashree Agrawal	A Textbook of Medicinal Chemistry	2024	ISBN: 978-93-6087-511-4	Shashwat Publication, Ram das Nagar, Bilaspur, Chhattisgarh-495001	
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6	Anil Kumar, Tripathy Amrutanand S, Sunil Kumar Pandey, Sanmati Kumar Jain (<i>Editors</i>)	Plant-Based Cancer Fighters: The Molecular Science and Therapeutic Potential of Herbal Remedies in Oncology	2025	ISBN: 978-93-49307-15-5 E-ISBN: 978-93-49307-16-2 https://doi.org/10.70593/978-93-49307-16-2	Deep Science Publishing USA UK India Turkey Reg. No. MH-33-0523625 www.deepscienceresearch.com	Citation: Kumar, A., Amrutanand, T. S., Pandey, S. K., & Jain, S. K. (2025). <i>Plant-Based Cancer Fighters: The Molecular Science and Therapeutic Potential of Herbal Remedies in Oncology</i> . Deep Science Publishing. https://doi.org/10.70593/978-93-49307-16-2

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2	Chapter 1 Isatin Derivatives as Human Intestinal Carboxylesterase Inhibitors: An Approach towards 3D-QSAR, Pharmacophore and Molecular Docking Sanmati K. Jain*, PiyushGhode and Achal Mishra DOI: 10.9734/bpi/caprd/v2/12980D Print ISBN: 978-93-5547-055-3, eBook ISBN: 978-93-5547-056-0	Current Aspects in Pharmaceutical Research and Development Vol. 2
3	Chapter 4 Colon Directed Drug Transport by Way of AZO Prodrugs Sanmati K. Jain*, Sanjay K. Lanjhiyana, BhartiAhirwar, Ajay Gupta, B. G. V. S. Jagan and Ioannis S. Vourdoubas DOI: 10.9734/bpi/capr/v1/15696D Print ISBN: 978-93-5547-352-3, eBook ISBN: 978-93-5547-356-1	Challenges and Advances in Pharmaceutical Research Vol. 1
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8	Chapter 9	Challenges and

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9	<p><i>Chapter 7</i> A Review on Colon Specific Drug Delivery Systems: Novel Approach in Pharmaceutical Perspective ReenaKaushik , S. K. Lanjhiyana *, Sanmati K. Jain , SweetyLanjhiyana, A. C. RanaandVipul Kumar DOI: 10.9734/bpi/capr/v4/16539D (Print ISBN: 978-93-5547-693-7, eBook ISBN: 978-93-5547-694-4)</p>	<p><i>Challenges and Advances in Pharmaceutical Research Vol. 4</i></p>
10	<p><i>Chapter 8</i> Recent Advancements of <i>In-vitro</i> and <i>In-vivo</i> Evaluation Strategies for Colonic Delivery Systems: An Overview ReenaKaushik, S. K. Lanjhiyana*, Sanmati K. Jain, SweetyLanjhiyana and A. C. Rana DOI: 10.9734/bpi/capr/v4/16545D (Print ISBN: 978-93-5547-693-7, eBook ISBN: 978-93-5547-694-4)</p>	<p><i>Challenges and Advances in Pharmaceutical Research Vol. 4</i></p>
11	<p><i>Chapter 9</i> A Review on Designing and Formulation Approaches for Development of Novel Colon Specific Drug Delivery Systems ReenaKaushik, S. K. Lanjhiyana*, Sanmati K. Jain, SweetyLanjhiyanaand A. C. Rana DOI: 10.9734/bpi/capr/v4/3199B (Print ISBN: 978-93-5547-693-7, eBook ISBN: 978-93-5547-694-4)</p>	<p><i>Challenges and Advances in Pharmaceutical Research Vol. 4</i></p>
12	<p><i>Chapter 12</i> Modern Pharmaceutical Technologies for Drug Targeting: A Review on Colon Specific Drug Delivery Systems ReenaKaushik, S. K. Lanjhiyana*, Sanmati K. Jain, SweetyLanjhiyanaand A. C. Rana DOI: 10.9734/bpi/capr/v4/16667D (Print ISBN: 978-93-5547-693-7, eBook ISBN: 978-93-5547-694-4)</p>	<p><i>Challenges and Advances in Pharmaceutical Research Vol. 4</i></p>
13	<p><i>Chapter 2</i> <i>In-silico</i>Design of Novel Prazosin Analogues in the Treatment of Hypertension Sunil SahuandSanmati K. Jain* DOI: 10.9734/bpi/capr/v7/2987C (Print ISBN: 978-93-5547-801-6, eBook ISBN: 978-93-5547-802-3)</p>	<p><i>Challenges and Advances in Pharmaceutical Research Vol. 7</i></p>
14	<p><i>Chapter 7</i> Quantitative Structure Activity Relationship (QSAR) Analysis on Substituted Pyrimidine Derivatives as Corticotropin-Releasing Factor1 Receptor Antagonists Sanmati Kumar Jain*, Ajay Kumar Gupta and Sanjay Kumar Lanjhiyana DOI: 10.9734/bpi/capr/v9/4166E (Print ISBN: 978-93-5547-963-1, eBook ISBN: 978-93-5547-964-8)</p>	<p><i>Challenges and Advances in Pharmaceutical Research Vol. 9</i></p>

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16	<p><i>Chapter ----</i> QSAR Analysis and ADMET Study on 3,5-Disubstituted Oxadiazole Derivatives as Anticancer Agents Sanmati Kumar Jain*, Ajay Kumar Gupta and Sanjay Kumar Lanjhiyana DOI:</p>	<p>Challenges and Advances in Pharmaceutical Research manuscript number 2022/BP/4296E</p>
17	<p>DESIGNING OF NEW ANALOGUES OF ENZALUTAMIDE USING BIOISOTERIC APPROACH FOR PROSTATE CANCER THERAPY Ajay Kumar Gupta, A. K. Dixit, S.S. Thakur, Sanmati Kumar Jain*</p> <p>Recent Advances in Pharmaceutical Sciences, Chapter 16, pp123-137.</p>	<p>Veer Bahadur Publications, Lucknow.</p>
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72	Pharmacophore	CRC Press
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IV. Patents: Published/Granted - (04 / 62 = 66)

S. No.	Patent Number	Name of the Faculty	Title of the patent	Year of Award of patent	Status
1	6354039 (UK)	Dr. Sanmati Kumar Jain	Vapour Phase Reactor for Developing Semisynthetic Derivatives	27/03/2024	Granted
2	408278-001	Dr. Sanmati Kumar Jain	WRIST BAND FOR MOSQUITO ERADICATION	09/04/2024	Granted
3	408282-001	Dr. Sanmati Kumar Jain	MULTICHAMBERED DEVICE FOR PHYTOCHEMICAL ANALYSIS	12/04/2024	Granted
4	408017-001	Dr. Sanmati Kumar Jain	NANO BIOSENSOR FOR DETECTING GLYCATED HEMOGLOBIN LEVEL	19/04/2024	Granted
5	407185-001	Dr. Sanmati Kumar Jain	Portable UV Based Thin Layer Chromatography Apparatus	10-02-2024	Granted
6	408752-001	Dr. Sanmati Kumar Jain	APPARATUS FOR SYNTHESIS OF NANOPARTICLES	25/04/2024	Granted

7	409713-001	Dr. Sanmati Kumar Jain	WRISTBAND FOR EPILEPSY SEIZURE PATIENT	02/05/2024	Granted
8	411455-001	Dr. Sanmati Kumar Jain	CRYOGENIC WRIST BAND FOR DETECTION OF BLOOD SUGAR LEVEL	16/05/2024	Granted
9	6366669	Dr. Sanmati Kumar Jain	Device for Phytochemical Analysis of Crude drugs	24/05/2024	Granted
10	418158-001	Dr. Sanmati Kumar Jain	AI ENABLED DEVICE FOR DETECTION OF NEUROLOGICAL DISORDERS	28/06/2024	Granted
11	202321078030	Dr. Sanmati Kumar Jain	DESIGN OF SOME NEWER ANALOGUE AS SELECTIVE COX-II INHIBITOR USING IN SILICO APPROACHES	15/12/2023	Published
12	202321078031	Dr. Sanmati Kumar Jain	EXPLORING BIOISOSTERIC ANALOGUES OF MIGLITOL FOR ENHANCED ALPHA-GLUCOSIDASE INHIBITION: A NOVEL DRUG DESIGN APPROACH	15/12/2023	Published
13	202321078029	Dr. Sanmati Kumar Jain	DESIGN OF SOME NEWER ANALOGUES AS ANTI-CANCER COMPOUNDS TARGETING VEGFR-2 USING IN-SILICO APPROACHES	15/12/2023	Published
14	202441001889	Dr. Sanmati Kumar Jain	PHARMACOLOGY-BASED APPROACHES FOR MODULATING G PROTEIN-COUPLED RECEPTOR ACTIVITY	09/02/2024	Published
15	414582-001	3.Dr. Sanmati Kumar Jain	DEVICE FOR PREPARATION OF TRANSFERSOMES	04/07/2024	G
16	416474-001	4.Dr. Sanmati Kumar Jain	SHOCK WAVE THERAPY DEVICE FOR FROZEN SHOULDER	05/07/2024	G
17	417717-001	6.Dr. Sanmati Kumar Jain	APPARATUS FOR ESTIMATION OF NERVE DAMAGE IN DIABETIC NEUROPATHY	08/07/2024	G
18	421603-001	5.Dr. Sanmati Kumar Jain	DIGITAL ANALGESIOMETER FOR MONITORING PAIN ACTIVITY	12/07/2024	G
19	420118-001	4.Dr. Sanmati Kumar Jain	APPARATUS FOR RECOVERY OF SOLVENTS	25/07/2024	G
20	419424-001	5.Dr. Sanmati Kumar Jain	DOUBLE DISTILLATION APPARATUS FOR PURIFICATION OF CRUDE EXTRACTS	25/07/2024	G
21	419965-	1.Dr. Sanmati	CHROMATOGRAPHIC	26/07/20	G

	001	Kumar Jain	APPARATUS FOR ISOLATION OF NATURAL COMPOUNDS	24	
22	420608-001	7.Dr. Sanmati Kumar Jain	AUTOMATED INFUSION APPARATUS FOR TARGETED LIPOSOMAL THERAPEUTIC DELIVERY	01/08/2024	G
23	6381046	Dr. Sanmati Kumar Jain	HPTLC for Qualitative Analysis of Chemical Compounds	05 August 2024	G
24	6381047	Dr. Sanmati Kumar Jain	Automated device for detecting disintegration time for different tablets	05 August 2024	G
25	424441-001	1.Dr. Sanmati Kumar Jain 2. Ajay Kumar Gupta 3.Gajendra Singh Thakur 4.Dipti Pal 5.Aashif Khan 6.Yogita Sahu 7.Dr. Yogesh Vaishnav 8.Dr. Achal Mishra 9.Dr. Sanjay Bharti	BIOSENSOR DEVICE FOR THE DETECTION OF CANCER CELLS	02/09/2024	G
26	425128-001	3.Dr. Sanmati Kumar Jain	STEAM DISTILLATION APPARATUS FOR ISOLATION OF ESSENTIAL OILS	03/09/2024	G
27	6386916	Dr. Sanmati Kumar Jain	SMART DERMATOSCOPE TO DETECT SKIN MELANOMA	05 September 2024	G
28	6387569	Dr. Sanmati Kumar Jain, Dr. Pradeep Kumar Samal	SMART TRANSDERMAL PATCH FOR MONITORING OF TYPE 2 DIABETES	09 September 2024	G
29	423160-001	Dr. Sanmati Kumar Jain	APPARATUS FOR DEVELOPING POLYHERBAL EXTRACTS	11/09/2024	G
30	425634-001	2. Dr. Sanmati Kumar Jain	PORTABLE ANALYTICAL DEVICES FOR QUALITATIVE ASSAY OF DRUGS	19/09/2024	G
31	422951-001	2. Dr. Sanmati Kumar Jain	HAND OPERATED INSTANT TABLET COATING MACHINE	19/09/2024	G
32	424281-001	3.Dr. Sanmati Kumar Jain	PORTABLE DEVICE FOR NON INVASIVE DELIVERY OF INSULIN	19/09/2024	G
33	425632-001	5.Dr. Sanmati Kumar Jain	DEVICE FOR BREAST CANCER DETECTION	25/09/2024	G
34	426927-001	5.Dr. Sanmati Kumar Jain	APPARATUS FOR PERFORMING MOLECULAR	07/10/2024	G

			DOCKING STUDIES		
35	428185-001	5.Dr. Sanmati Kumar Jain	DEVICE FOR SYNTHESIS OF TRANSDERMAL PATCHES	15/10/2024	G
36	429168-001	5.Dr. Sanmati Kumar Jain	DEVICE FOR INVITRO EVALUATION OF BIOAVAILABILTY OF DRUGS	22/10/2024	G
37	426237-001	5.Dr. Sanmati Kumar Jain	FRANZ DIFFUSION CELL FOR PERMEATION STUDIES OF TRANSDERMAL DOSAGE FORMS	17/10/2024	G
38	429587-001	5.Dr. Sanmati Kumar Jain	DEVICE FOR MICROWAVE ASSISTED SYNTHESIS OF CHEMICAL COMPOUNDS	18/10/2024	G
39	430287-001	6.Dr. Sanmati Kumar Jain	PORTABLE RP-HPLC APPARATUS FOR ESTIMATION OF DRUG IN RAT PLASMA	04/11/2024	G
40	427245-001	5.Dr. Sanmati Kumar Jain	DIGITAL DEVICE FOR ORGAN BATH FOR ANIMAL TISSUE ACTIVITY	13/11/2024	G
41	6392832	3.Dr. Sanmati Kumar Jain	Double distillation apparatus for extraction of Volatile oils	08 November 2024	G
42	430285-001	6. Dr. Sanmati Kumar Jain	SENSOR OPERATED TABLET FRIABILITY APPARATUS	28/11/2024	G
43	431658-001	5.Dr. Sanmati Kumar Jain	PORTABLE DEVICE FOR IDENTIFICATION OF ALZHEIMER'S DISEASE THROUGH BLOOD PLASMA PROTEIN	09/12/2024	G
44	434290-001	2. Dr. Sanmati Kumar Jain	DEVICE FOR JOINT PAIN RELIEF	09/12/2024	G
45	432306-001	3.Dr. Sanmati Kumar Jain	BRONCHOHALER FOR INSTANT RELIEF IN ASTHMA	13/12/2024	G
46	432456-001	4. Dr. Sanmati Kumar Jain	DEVICE FOR PREDICTION OF DIABETIC NEUROPATHY THROUGH BLOOD PLASMA PROTEIN	13/12/2024	G
47	2024/03309	PIYUSH GHODE, SANMATI KUMAR JAIN, YOGESH VAISHNAV	A METHOD FOR DESIGNING AND SYNTHESIZING COMPOUNDS EXHIBITING DPP-IV INHIBITORY POTENTIAL	27/11/2024	G
48	433086-001	1.Dr. Sanmati Kumar Jain	DIGITAL BROOKFIELD VISCOMETER FOR	16/12/2024	G

			NANO SUSPENSIONS		
49	436722-001	1.Dr. Sanmati Kumar Jain	VAPOUR PHASE REACTOR FOR DEVELOPING SEMI SYNTHETIC DERIVATIVES	06/01/2025	G
50	434289-001	1.Dr. Sanmati Kumar Jain	APPARATUS FOR EXTRACTION OF PHYTOCHEMICALS	07/01/2025	G
51	432457-001	3.Dr. Sanmati Kumar Jain	CHROMATOGRAPHIC DEVICE FOR IMPURITY ANALYSIS OF CHEMICAL COMPOUNDS	07/01/2025	G
52	437831-001	3.Dr. Sanmati Kumar Jain	DEVICE FOR DEVELOPING LIPID LABRYNTHS AND NANOSTRUCTURES FOR ENHANCED DRUG DELIVERY	13/01/2025	G
53	432778-001				
54	6415523	2. Dr. Sanmati Kumar Jain	AI Digital Rotary Laboratory Apparatus for Developing Semi Synthetic Derivatives	15 January 2025	G
55	436720-001	1.Dr. Sanmati Kumar Jain	DEVICE FOR HERBAL DRUG DELIVERY	24/01/2025	G
56	437185-001	2. Dr. Sanmati Kumar Jain	DEVICE FOR DETECTION OF DIABETIC PERIPHERAL NEUROPATHY	27/01/2025	G
57	439616-001	2. Dr. Sanmati Kumar Jain	DEVICE FOR TESTING FAST DISSOLVING TABLETS	28/01/2025	G
58	440132-001	1.Dr. Sanmati Kumar Jain	DEVICE FOR DEVELOPING LIPID LABYRINTHS AND NANO-STRUCTURES FOR ENHANCED DRUG DELIVERY	28/01/2025	G
59	1230554	3. DR. SANMATI KUMAR JAIN	ALKALOID-ENCAPSULATED NANOPARTICLES FROM HOODIA GORDONII: SYNTHESIS, CHARACTERIZATION, AND ANTIOXIDANT EFFECTS IN RECTAL CANCER	07 FÉVR / FEB 2025	G
60	440787-001	1.Dr. Sanmati Kumar Jain	AUTOMATED EVAPORATOR FOR NANOPARTICLES SYNTHESIS	13/02/2025	G
61	441925-001	1.Dr. Sanmati Kumar Jain	DIGITAL ROTA ROD APPARATUS FOR MONITORING RODENT	06/03/2025	G

			ACTIVITY		
62	442937-001	1.Dr. Sanmati Kumar Jain	RECRYSTALLIZATION DEVICE FOR FILTRATION AND SEPARATION SOLID COMPOUNDS	11/03/2025	G
63	444405-001	2.Dr. Sanmati Kumar Jain	AI ASSISTED DEVICE FOR PLASMA ESTIMATION OF BIOMARKERS FOR NEUROLOGICAL DISORDERS	18/03/2025	G
64	441528-001	1.Dr. Sanmati Kumar Jain	DOUBLE DISTILLATION APPARATUS EXTRACTION OF CRUDE DRUGS	20/03/2025	G
65	442936-001	6.Dr. Sanmati Kumar Jain	AI ASSISTED DEVICE FOR PREDICTION OF BREAST CANCER	18/03/2025	G
66	444121-001	9.Dr. Sanmati Kumar Jain	AI ASSISTED DEVICE FOR IDENTIFICATION OF ACTIVE CONSTITUENTS FROM HERBS	26/03/2025	G
67	443938-001	3.Dr. Sanmati Kumar Jain	APPARATUS FOR PRODUCING EFFEVESCENT TABLETS	26/03/2025	G
68	404078-001	5.Dr. Sanmati Kumar Jain	DEVICE TO DETECT AUTOIMMUNE DISORDER THROUGH BLOOD	21/04/2025	G
	11-10-2024	9.Dr. Sanmati Kumar Jain [9th /10k]	Novel Formulation for Male Infertility	Indian Utility Patent	

V. Research presentations in Seminar/Conference: 24

S. No.	Title of the Lecture delivered or Paper presented	Name of the Seminar/ Conference	Internati onal/ National / State/ Universi ty level	Name and Place of Institution/ Organization	Date of Lecture delivered/ Paper presented
1	Comparative molecular field analysis (CoMFA) of some 1,3,4-thiadiazoles for anti-inflammatory agents	International Convention of Association of Pharmaceutical Teachers of India (A.P.T.I.)	Internatio nal	Andhra University, Visakhapatnam	2 nd & 3 rd October, 2004.
2	Code: Medicinal	57 th Indian	National	Hyderabad	2 nd to 4 th

	Chemistry BP2	Pharmaceutical Congress			December, 2005
3	Love Herbs	Recent Trends in Herbal Therapy	National	Guru Ghasidas University, Bilaspur (CG)	27 th - 28 th March, 2006
4	CCR5 Antagonists	APTI – 12 th Annual National Convention	National	Panjab University, Chandigarh	October, 2007
5	2D-QSAR Analysis on some N-alkyl-[1-(3,3-diphenyl propyl)piperidin-4-yl]-2-aryl acetamides as CCR5 receptor modulators [Lecture delivered]	MedChemIndia, 2007	International	Select Biosciences, organized at Hyderabad (AP)	12-13 April, 2007
6	QSAR	Convention of Association of Pharmaceutical Teachers of India (A.P.T.I.)	National	Guru Ghasidas University, Bilaspur (CG)	October, 2008
7	SYNTHESIS AND BIOLOGICAL EVALUATION OF THIAZOLIDINE-2,4-DIONE DERIVATIVES CONTAINING QUINAZOLINONE MOIETY AS ANTIDIABETIC AGENTS	Drug Targeting for Therapeutic Benefit [DBT and CSIR Sponsored]	National	Sagar (MP)	2 nd & 3 rd February, 2013
8	<i>In-vitro</i> antibacterial and antifungal activity of some 2-(substituted)amino-5-aryl-1,3,4-thiadiazole derivatives	Microbial Diversity: Exploration, Conservation & Application [UGC, CGCOST SPONSORED]	National	Bilaspur (CG)	16 th & 17 th February, 2013
9	Synthesis And Biological Evaluation of 1-Aroyl/Alkanoyl-3-(5-Aryl-1,3,4-Thiadiazol-2-yl) Thiourea Derivatives as Anticancer Agent	Advances in Molecular Pharmaceutics, Nanomedicine, Nanobiotechnology and Drug Research [DBT SPONSORED]	National	Raipur (CG)	17 th March, 2013
10	QSAR Analysis on Aryl -benzofuran derivatives as Histamine H3	Emerging frontiers and challenges in nanotechnology and drug design ([SERB-DBT,	National	Dr. H.S. Gour Vishwavidyalaya, Sagar (MP)	March 01, 2015

	Receptor Inhibitors using MLR, PLSR and PCR	ICMR and MPCST Sponsored]			
11	Use of computational approaches in quantitative structure activity relationship (QSAR) study on N,N'-diphenyl urea derivatives as anti-HIV agents	Science Sensitization among commons: An academic-public library venture of chhattisgarh [Raja Rammohun Roy Library Foundation, & CCOST sponsored]	National	Bilaspur (CG)	27-28 March, 2015
12	QSAR studies on N,N'-diphenylurea derivatives as CCR5 anagonists	Ethnomedicine and new drug discovery: Opportunities and challenges	National	Guru Ghasidas Vishwa vidyalaya, Bilaspur (CG)	April 10-11, 2015
13	3D-QSAR and pharmacophore studies of some 5-(substituted)-1-[5(methylsulfonyl)pyridine-2-yl]-3-(di/tri fluoromethyl)-1H-pyrazoles as COX-2 inhibitors	India-Pharmacy to the world: Role of Indian Regulators and Pharma Industry	National	66 th IPC, Hyderabad (AP)	23 rd – 25 th January, 2015
14	QSAR and pharmacophore studies on arylbenzofuran derivatives as histamine H3 receptor antagonists	Nanotechnology: Past, present and future trends	National	ShriShankaracharya Group of Institutions, Bhilai (CG)	8 th Nov., 2014
15	3D-QSAR and pharmacophore studies of some 5-(substituted)-1-[5(methylsulfonyl/sulfamoyl)pyridin-2-yl]-3-(di/tri fluoromethyl)-1H-pyrazole-4-caronitriles as canine COX-2 inhibitors	Cutting edge technology in new drug discovery and drug delivery systems	National	Columbia Institute of Pharmacy, Raipur (CG)	11 th – 12 th October, 2014
16	<i>In vitro</i> anti-bacterial study of some 2,5-disubstituted-1,3,4-thiadiazoles	National Conference on “Recent Advances in Microbiology and Biofuels” [CGCOST Sponsored]	National	Bilaspur University, Bilaspur (CG)	12 th - 13 th September, 2015
17	Synthesis of some 1-(1,3,4-thiadiazol-2-yl)-	National Seminar on “Bridging Gap Between	National	Columbia Institute of	5 th & 6 th March,

	3- aroyl/alkanoylthiourea derivatives and their evaluation for anticancer activity	Academic and Pharmaceutical Industry” [CCOST Sponsored]		Pharmacy, Raipur (CG)	2016
18	Comparative 3D- QSAR and pharmacophoric analysis for a series of 2- (1,4/-Bipiperidin-1/-yl) thiazolopyridines as H3 receptor antagonists	National Seminar on “Traditional and Futuristic Explorations of Biological and Chemical Sciences (TFEBCS)”	National	MATS University, Raipur (CG)	11 th & 12 th March, 2016
19	SYNTHESIS OF SOME THIAZOLIDIN-4- ONE DERIVATIVES FOR ANTIMICROBIAL ACTIVITY	National Seminar on “Innovative Research in Biological and Chemical Sciences”	National	MATS University, Raipur (CG).	4 th March, 2017
20	ISATIN DERIVATIVES AS SELECTIVE INHIBITORS OF CARBOXYL ESTERASES: QUANTITATIVE STRUCTURE ACTIVITY RELATIONSHIP (QSAR) STUDY	UGC-SAP (DRS-II) National Conference on “Advances in Environment & Chemical Sciences”	National	Pt. Ravishankar Shukla University, Raipur (CG).	17-18 March, 2017
21	Screening of <i>In vitro</i> cytotoxic activity of <i>Sesbaniagrandiflora</i> plant used traditionally to treat cancer in Chhattisgarh state, India.	National Conference on “Plant Science Technologies: Current status and Future Prospects”	National	SLT Institute of Pharmaceutical Sciences, GGV, Bilaspur (CG).	21-23 March, 2017
22	Study of <i>in-vitro</i> cytotoxic activity of <i>W. tinctoria</i> plant used traditionally to treat cancer in Chhattisgarh state, India.	International Conference on “Frontier in Pharmaceutical Sciences and Research”	International	Columbia Institute of Pharmacy, Raipur (CG).	23 rd & 24 th September, 2017
23	Use Of MLR, PLSR and PCR Analysis in The Development of	International Conference on “Mathematical Sciences and	International	Department of Pure and Applied	23 rd - 25 th February, 2018

	Quantitative Structure Activity Relationship: A Case Study on Isatin Derivatives as Human Intestinal Carboxylesterase Inhibitors	Applications”		Mathematics, GGV, Bilaspur (CG).	
24	SYNTHESIS, CHARACTERIZATION AND APPRAISAL OF SOME 2-[(SUBSTITUTED) ETHANOYL]AMINO-5-ARYL-1,3,4-THIADIAZOLES AS DIURETIC AGENTS	National Conference on “Recent Trends in Drug Discovery, Development and Delivery Systems”	National	SLT Institute of Pharmaceutical Sciences, GGV, Bilaspur (CG).	12 th February, 2018

VI. Invited Lectures / Chairperson at National or International Conference / Seminars / Workshop / Refresher Course:

S. No.	Seminar/ Conference/Workshop/Refresher Course
1	Lecture delivered on “2D-QSAR Analysis on some N-alkyl-[1-(3,3-diphenyl propyl)piperidin-4-yl]-2-aryl acetamides as CCR5 receptor modulators” held between 12 th -13 th April, 2007 conducted by Select Biosciences, at Hyderabad (AP) [MedChemIndia, 2007].
2	Participated & delivered a talk in three days’ workshop on Research Methodology in Sciences: Managing Quality in Research and Identification of Thrust Areas held between 29 th Sept. 2007 to 1 st October, 2007 conducted by Deptt. of Pure and Applied Physics, GGV, Bilaspur (CG).
3	Lecture delivered on “Drug Interaction & Prodrug Approach” in Refresher course for Pharmacist organized by SECL, Bilaspur (CG).
4	Chairperson of a scientific session in 2 nd International Conference “Frontiers in Pharmaceutical Sciences and Research” held on 23 rd and 24 th September, 2017, organized by Columbia Institute of Pharmacy, Raipur (CG).
5	Chairperson in National Seminar “Ethnomedicines-A Source of Complementary and Alternative Medicines for Navigating the Future in Therapeutics” held on 23 rd February, 2018, organized by School of Pharmacy, Chouksey Group of Colleges, Bilaspur (CG).
6	Delivered a talk in two day PCI Sponsored International conference on “New Horizon of Health Science” held on 4 th -5 th March, 2020 conducted by School of Pharmacy, Chouksey Group of Colleges, Bilaspur (CG).

VII. Training/Workshop/QIP:

S. No.	
1	Quality Improvement Programme (QIP) sponsored by AICTE at College of Pharmacy, PushpVihar, New Delhi entitled “Recent Advances in Analytical Chemistry” held between 4 th to 8 th March, 2002.
2	“Training Programme of Repair and Maintenance of Medical Laboratory Instruments” jointly conducted by Western Regional Instrumentation Centre, Mumbai and Deptt. of Biochemistry, CIMS, Guru Ghasidas University, Bilaspur held between 20 th to 24 th Dec., 2004 at Deptt. of Biochemistry, CIMS, Bilaspur.
3	“Workshop on Pharmacoinformatics in Drug Design” conducted by National Institute of Pharmaceutical Education and Research held between 14 th to 16 th April, 2005 at NIPER, S.A.S. Nagar, Punjab.

VIII. Research Project - 01

S. No.	Name of the funding agency (AICTE/ Others)	Name of the Scheme	Programme Title	Year of Funding	Duration	Amount Sanctioned	Status Completed/ Ongoing
1	AICTE	RPS	“Design, synthesis and biological evaluation of some heterocyclic amides/ureas as CCR5 antagonists”	2006	3 Years [2006-2009]	9.3 Lakhs	Completed

IX. Research Supervision:

i) Ph. D. awarded: 03

Serial no	Name of the Ph D Scholar	Name of the Department	Name of the Guide/s	Title of thesis	Year of award of Ph. D.
1	Shri Ritesh Jain	Pharmacy / Natural Resources, Guru Ghasidas	Dr. Sanmati K. Jain	“STUDY OF ANTIOXIDANT AND ANTICANCER	2014 (20-03-2014)

		Vishwavidyalaya (A Central University), Bilaspur (CG)		ACTIVITY OF SOME TRADITIONAL MEDICINAL PLANTS FROM CHHATTISGARH STATE”	
2	Shri Navin Ramprasad Raj	Pharmacy / Natural Resources, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur (CG)	Dr. Sanmati K. Jain	“DESIGN, SYNTHESIS AND EVALUATION OF (SUBSTITUTED) 2-PHENYL BENZIMIDAZOLE DERIVATIVES AS POTENT ANTI ALLERGIC COMPOUNDS”	2015
3	Shri Piyush Ghode	Pharmacy / Natural Resources, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur (CG)	Dr. Sanmati K. Jain	DESIGN, SYNTHESIS, AND DPP-IV INHIBITORY ACTIVITY OF SOME NOVEL HETEROCYCLIC COMPOUNDS	2023

ii) **Ph.D. Registered:** 05 [ICMR Fellowship-01; University (UGC) Fellowship-04]

iii) **M. Pharm. (Dissertation Thesis):** 32

iv) **B. Pharm. (Project Report):** 54

X. Administrative Responsibilities:

As a member of Board of Studies, Discipline Committee, Examination Committee, HOD, Assistant Centre Superintendent, Centre Superintendent, Sessional Examination Committee, etc.

XI. Additional Information:

A. Qualified GATE with All India Rank 29.

B. Received JRF & SRF of UGC, New Delhi during Ph.D.

C. Awards and Honors:

- i. Prof. K. A. Thaker Cash Award for best paper published in the journal of the Institution of Chemists (India), Vol 83, 2011, Part 5.

- ii. Best Researcher Award in the DBT and CSIR Sponsored National Seminar on “Drug Targeting for Therapeutic Benefit” held on 2nd& 3rd February, 2013, organized by Adina College of Pharmacy, Sagar (MP).
- iii. "Best Article Award" for research work entitled “SUSTAINABLE AND GREEN APPROACHES IN NOVEL DRUG DELIVERY SYSTEMS: INNOVATIONS IN ECO-FRIENDLY DRUG DELIVERY TECHNOLOGIES” published in WORLD JOURNAL OF ADVANCE HEALTHCARE RESEARCH (WJAHR), Volume 8, Issue 10, 2024.
- iv. "International Outstanding Academician Award" by Asia Research Awards in the conference International Science, Technology and Research Awards Congress 2024.
- v. "Best Scientist Award" by Mantra Research Solution in collaboration with Mantra Publication (2024).
- vi. **Identifiers**

Web of Science Researcher ID: LUY-4202-2024

ORCID ID: <https://orcid.org/0000-0002-4798-7151>

SCOPUS ID: 55319687900

Academic Editor

Academic Editor of ‘International Research Journal of Pure and Applied Chemistry’
(Website: <https://journalirjpac.com>).

Reviewer Certificate

Reviewed one manuscript for "Naunyn-Schmiedeberg's Archives of Pharmacology".

XII. Membership in Professional bodies:

1. Life member of Indian Pharmaceutical Association (IPA), Mumbai (MS).
2. Life member of Association of Pharmaceutical Teachers of India (APTI), Bangalore (Karnataka).
3. Life member of Society of Pharmaceutical Education and Research (SPER), Gwalior (MP).