


Title	Dr.	Name	Shubha Jain	Photograph
Department	School of Studies in Chemistry & Biochemistry, Vikram University, Ujjain-456010, Madhya Pradesh, India.			
Designation	Professor			
Address	118, Dashera Maidan, Opp. M.L.N. Park, Ujjain, Madhya Pradesh-456010, India.			
Phone- Office	0734-2511321			
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Educational Qualifications

Degree	Institution	Year
Ph.D.	Vikram University	1981
PG	Vikram University	1977
UG	Vikram University	1975
Other		

Career Profile

Worked as Lecturer in S S School of Studies in Chemistry from 1981-1994
 Worked as Reader in School of Studies in Chemistry from 1994-2002
 Worked as professor in School of Studies in Chemistry & Biochemistry 2002 to till date

Area of Interest/ Specialization

Organic photochemistry, Reactive intermediates, Heterocyclic chemistry

Subjects Taught

Organic Chemistry and Chemistry of drugs

Publication Profile

Research Papers:

(A). Journal Papers:

International:

1. Shubha Verma, N.M.Kansal, R.S. Mishra, M.M.Bokadia, Synthesis of some heterocyclic compounds from phosphorous ylids, *Heterocycles*, **1981**, 16(9), 1537.
2. ShubhaVerma, M.M.Bokadia, A new method for the preparation of (2,2-Diphenyl vinylidene)-tri-phenylphosphorane and its reaction with carbonyl compounds, *Acta Chimica Academia*

Scientiarum Hungaricae, **1982**, Tomus III(1), 35-36.

3. Shubha Verma, N.M. Kansal, M.M. Bokadia, A deviation from the Witting reaction III, *Acta Chemica Academia Scientiarum Hungaricae*, **1982**, 109(4), 341-343.
4. Sushma Jaiswal, B.K. Mehta, Shubha Jain, Protein bound amino acids of medicinally important plant seeds, *Plantae Medicinales et phototherapeie*, **1984**, XVIII (4), 248.
5. Rakesh Dubey, Pinki Bala Gandhi, Shubha Jain Mishri Mal Bokadia, Dye sensitized photo-oxygenation of sym-diphenylthiourea, *Acta Chimica Hungarica*, **1985**, 120(3), 207-208.
6. M.A. Shah, M.M. Bokadia, B.K. Mehta, Shubha Jain, Chemical composition and antimicrobial activity of some seed oils, *Fitoterapia*, **1988**, 69(2), 126.
7. S. Lata Kaul, M.M. Bokadia, B.K. Mehta, Shubha Jain, Fatty acid composition of seeds of leguminaceae family, *Grasasy Aceites*, **1990**, 41(3), 224.
8. Shubha Jain and Rekha Nagwanshi, Kinetics of photooxidation of oxalate ion by Chloramine-T in an aqueous acidic medium, *Oxidation communications*, **2006**, 29(1), 41-47.
9. Shubha Jain, Rekha Nagavanshi, Photooxygenation of pyrozone by singlet molecular oxygen, *Oxidation Communication*, **2009**, 32(2), 330-334.
10. Srinivasa Rao Jetti, Neelaiah Babu G., Pradeep Paliwal, Anjna Bhatewra, Tanuja Kadre, Subha Jain, Amberlyst® 15 DRY Resin: A green and recyclable catalyst for facile and efficient one-pot synthesis of 3,4-dihydropyrimidin-2(1H)-ones, *Der Pharma Chemica*, **2012**, 4(1), 417-427.
11. Shubha Jain, B. N. Reddy, and K.S. Rao, Synthesis of Biheterocycles Containing Indole Nucleus and Their Antibacterial Activity, *Journal of Scientific Research*, **2012**, 4(1), 273-278.
12. Tanuja Kadre, Srinivasa Rao Jetti, Anjna Bhatewara, Pradeep Paliwal, Shubha Jain, Green protocol for the synthesis of 3,4-Dihydropyrimidin-2(1H)- ones/thiones using TBAB as a catalyst and solvent free condition under microwave irradiation, *Archives of Applies Science Research*, **2012**, 4(2), 988-993.
13. Rekha Nagwanshi, Meena Bakhru, Shubha Jain, Photodimerization of heteroarylchalcones: Comparative antimicrobial activities of chalcones and their photoproducts, *Medicinal Chemistry Research*, **2012**, 21(8), 1587-1596.
14. Anjna Bhatewara, Srinivasa Rao Jetti, Tanuja Kadre, Pradeep Paliwal, Shubha Jain, An efficient one-pot multi component synthesis of pyrimidine derivatives in aqueous media, *Archives of Applied Science Research*, **2012**, 4(3), 1274-1278.
15. Shubha Jain, Meena Chourey, Srinivasa Rao Jetti, Photolysis of N-(2-thiazolyl) sulphanilamide, 2-

(4-thiazolyl) benzimidazole and Thiacetazone, *Croatica Chemica Acta*, **2012**, 85(2), 15-157.

16. Shubha Jain, Neelaiah Babu, Srinivasa Rao Jetti, Harshada Shah, Surya Prakash Dhaneria, Synthesis, antitubercular and antifungal activities of heteroaryl-substituted oxiranes derived from Baylis-Hillman adducts, *Medicinal Chemistry Research*, **2012**, 21(10), 2744-2748.
17. Srinivasa Rao Jetti, Divya Verma, Shubha Jain, Carbon-Based Solid Acid as an Efficient and Reusable Catalyst for the Synthesis of 4,6-diarylpyrimidin-2(1H)-ones under solvent-free conditions, *Der Chemica Sinica*, **2012**, 3(3), 636-640.
18. Srinivasa Rao Jetti, Divya Verma, Shubha Jain, An efficient One-Pot Green Protocol for the Synthesis of 5-Unsubstituted 3,4- Dihydropyrimidin-2(1H)-ones Using Recyclable Amberlyst® 15 DRY as a Heterogeneous Catalyst via three component Biginelli-like Reaction, *ISRN Organic Chemistry*, **2012**, Volume 2012, Article ID 480989, 8 pages.
19. Shubha Jain, Balwant S. Keshwal, Deepika Rajguru, A clean and efficient L-proline-catalyzed synthesis of polysubstituted benzenes in the ionic liquid 1-butyl-3-methylimidazolium hexafluorophosphate, *Journal of the Serbian Chemical Society*, **2012**, 77(10), 1345-1352.
20. Shubha Jain, Balwant S. Keshwal, Deepika Rajguru, Vasant W. Bhagwat, A simple and clean synthesis of polysubstituted 2,6-dicyanoanilines catalyzed by KF/alumina, *Journal of the Korean Chemical Society*, **2012**, 56(6), 712-715.
21. Srinivasa Rao Jetti, Divya Verma, Shubha Jain, Microwave assisted synthesis of spiro-fused heterocycles using Decatungstodivanado germanic heteropoly acid as a novel and reusable heterogeneous catalyst under solvent-free conditions, *Journal of Catalysts*, **2013**, Volume 2013, Article ID 392162, 8 pages.
22. Pradeep Paliwal, Srinivasa Rao Jetti, Anjna Bhatewara, Tanuja Kadre, Shubha Jain, DABCO catalyzed synthesis of xanthene derivatives in aqueous media, *ISRN Organic Chemistry*, **2013**, Volume 2013, Article ID 526173, 6 pages.
23. Meena Wadhvani, Shubha Jain, Rekha Nagwanshi, Sandhya Bageria, Kinetics of oxidation of lactose with photo chemically generated radicals, *Journal of Chemistry and Chemical Engineering*, **2013**, 7(2), 187-192.
24. Anjna Bhatewara, Srinivasa Rao Jetti, Tanuja Kadre, Pradeep Paliwal, Shubha Jain, Microwave assisted synthesis and biological evaluation of dihydropyrimidinone derivatives as anti-inflammatory, antibacterial and antifungal agents, *International Journal of Medicinal Chemistry*, **2013**, Volume 2013, Article ID 197612, 5 pages.
25. Shubha Jain, Pradeep K. Paliwal, Srinivasa Rao Jetti, Green approach towards the facile synthesis of dihydropyrano(c)chromene and pyrano [2,3-d]pyrimidine derivatives and their biological

evaluation, *Medicinal Chemistry Research*, **2013**, 22(6), 2984-2990.

26. Deepika Rajguru, Balwant S. Keshwal, Shubha Jain, Vasant W. Bhagwat, Alum [KAl(SO₄)₂.12H₂O]: a green and efficient catalyst for synthesis of pyrano[4,3-b]pyrans in water under conventional and microwave conditions, *Monatshefte fur Chemie Chemical Monthly*, **2013**, 144(9), 1411-1416.
27. Deepika Rajguru, Balwant S. Keshwal, Shubha Jain, H₆P₂W₁₈O₆₂.18H₂O: A green and reusable catalyst for one-pot synthesis of pyrano[4,3-b]pyrans in water, *Chinese Chemical Letters*, **2013**, 24(11), 1033-1036.
28. Deepika Rajguru, Balwant S. Keshwal, Shubha Jain, Solvent free green and efficient one-pot synthesis of dihydropyrano[3,2-c]chromene derivatives, *ISRN Organic Chemistry*, **2013**, 2013, Article ID 185120, 5 pages
29. Deepika Rajguru, Balwant S. Keshwal, Shubha Jain, Solvent-free, green and efficient synthesis of pyrano[4,3-b]pyrans by grinding and their biological evaluation as antitumor and antioxidant agents, *Medicinal Chemistry Research*, **2013**, 22(12), 5934-5939.
30. G. Neelaiah Babu, Haile Micheal Ayalew, Shubha Jain, DABCO promoted one-pot synthesis of heteroaryl substituted benzenes and their biological evaluation, *Medicinal Chemistry Research*, **2013**, (Published Online)
31. Srinivasa Rao Jetti, Shubha Jain, Decatungstodivanadogermanic heteropoly acid (H₆GeW₁₀V₂O₄₀.22H₂O): A novel, green and reusable heterogeneous catalyst for the synthesis of Biginelli-type 3,4-dihydropyrimidin-2-(1H)-ones, *Iranian Journal of Catalysis*, **2013**,
32. Srinivasa Rao Jetti, Anjna Bhatewara, Tanuja Kadre, Shubha Jain, Silica-bonded N-propyl sulfamic acid as an efficient recoverable catalyst for the synthesis of 3,4-dihydropyrimidin-2-(1H)-ones/thiones under heterogeneous conditions, *Chinese Chemical Letters*, **2013**, (Accepted)
33. Srinivasa Rao Jetti, Divya Verma, Shubha Jain, 3-[(3-(trimethoxysilyl)propyl)thio]propane-1-oxysulfonic acid: An Efficient Recyclable Heterogeneous catalyst for the synthesis of 3,4-Dihydropyrimidin-2(1H)-ones/thiones, *Arabian Journal of Chemistry*, **2013**, (Accepted)
34. Shubha Jain, Pradeep K Paliwal, Neelaiah Babu G., Anjna Bhatewra, DABCO promoted one-pot synthesis of dihydro pyrano[c]chromene and pyrano[2,3-d]pyrimidine derivatives and their biological activities, *Journal of Saudi Chemical Society*, **2011**. (Published Online)
35. Shubha Jain, Meena Bakhru, Rekha Nagwanshi, Photochemical oxidation of some carbohydrates by Chloramine-T in acidic medium: A kinetic Study, *Oxidation Communications*, **2013**, (Accepted)

Nationals:

1. N.M. Kansal, R.S. Mishra, Shubha Jain, M.M. Bokadia, *Studies in the chemistry of phosphorous*

- ylids, *The Vikram*, **1979**, 23, 67.
2. Shubha Verma, N.M. Kansal, M.M. Bokadia, A deviation from Witting reaction, *Indian Journal of Chemistry*, **1980**, 19(4), 318-319.
 3. N.M. Kansal, Shubha Verma, M.M. Bokadia, A deviation from Witting reaction-Part II, *Indian Journal of Chemistry*, **1980**, 19(7), 61.
 4. N.M. Kansal, Shubha Verma, R.S. Mishra, M.M. Bokadia, A new approach to the synthesis of diphosphirane and polarity effect on anomalous Witting reaction with aldehydes and ketones and formation of phosphirane & phosphirene, *Indian Journal of Chemistry*, **1980**, 19 (7), 610.
 5. Shubha Verma, N.M. Kansal, M.M. Bokadia, R.S. Mishra, Studies in the chemistry of dihalo ylids of phosphorous, *Acta Cientia Indica*, **1982**, VIIIc, No.1, 29-33.
 6. S.C. Ameta, S. Verma, M.M. Bokadia, Correlation analysis in infra-red spectroscopy, *National Academy Science Letters*, **1982**, 5(4),
 7. Shubha Jain, N.M. Kansal, M.M. Bokadia, A new dialkoxy ylid, *Bpl. Univ. Res. J.*, **1983**, III, 1.
 8. Shubha Jain, Notation for fatty acids, *Chemistry Education*, **1984**, 1(4), 61.
 9. N.M. Kansal, Shubha Jain, M.M. Bokadia, Synthesis of hexaphenyl carbodiphosphirane, *Current Science*, **1984**.
 10. G.C. Dubey, S.C. Ameta, Shubha Jain, M.M. Bokadia, Photocyclization of 3-bromochalcone, *Current Science*, **1984**.
 11. Meera Athale, Shubha Verma, M.M. Bokadia, Phosphorous ylid rasayan (Hindi), *Rasayan Sameeksha*, **1984**.
 12. Sushma Jaiswal, Anita Batra, S. Verma, M.M. Bokadia, Free amino acids of some regionally available medicinally important plant seeds, *Science & Culture*, **1984**, 50, 24.
 13. G.C. Dubey, Shubha Jain, S.C. Ameta, M.M. Bokadia, Photocyclization of 2-hydroxyl-3-bromo-5-methylchalcone, *Current Science*, **1984**, 53(4), 194-195.
 14. Rakesh Dubey, Pinki Bala Gandhi, Shubha Verma, M.M. Bokadia, Dyesensitized photooxygenation of t-cinnamic acid, *Science and Culture*, **1985**, 52, 379-381.
 15. Madhu Porwal, B.K. Mehta, Shubha Jain, Light induced reaction of Chalcone with dibromoylid; photochemical chalcone reaction, *National Academy Science Letters*, **1985**, 8(2), 381-382.
 16. N.M. Kansal, R.S. Mishra, Shubha Jain, M.M. Bokadia, Some new heterocycles from phosphorous

ylids, National Academy Science Letters, 1985.

17. Rakesh Dubey, Pinki Bala Gandhi, Shubha Jain, Mishri Mal Bokadia, Dyesensitized photo-oxygenation of sym-diphenylthiourea, *Current Science*, **1985**, 54(7), 340-342.
18. Shubha Jain, Photochemical reaction of some flavones, *National Academy Science Letters*, **1992**, 15(8), 259-261.
19. Shubha Jain, Photochemical reaction of some chalcones-Part-I, *Asian Journal of Chemistry*, **1993**, 5(3), 659-661.
20. Neera Jain, Shubha Jain, Photochemical reaction of some chalcones-Part-II, *Asian Journal of Chemistry*, **1994**, 6(2), 447-448.
21. Shubha Jain, Photolysis of some flavanones by ultraviolet irradiations, *National Academy Science Letters*, **1997**, 20(9&10), 130-132.
22. Amitbhod Upadhyaya, Shubha Jain, Photolysis of some purines by UV Light, *Journal of Indian Council of Chemists*, **1997**, XIV (2), 20-23.
23. Shubha Jain, M.M. Bokadia, Light induced photo transformation of nicotinic acid with laser and UV light- A Comparative Study, *Indian Journal of Chemistry*, **1999**, 38B, 232-233.
24. Amitbhod Upadhyaya, Deepali Pradhan Shubha Jain, Light induced 2+2 cycloaddition reaction of adenine in acidic and alkaline medium and determination of molecular structures, *Indian Journal of Chemistry*, **1999**, 38(B), 234-236.
25. Amitbhod Upadhyaya, M.M. Bokadia, Shubha Jain, Laser Versus UV photolysis: A comparative study with carbazole, *Journal of Indian Chemical Society*, **2000**, 77, 97.
26. Shivraj Singh Chawada, Shubha Jain, Photolysis of some pyrimidines by UV light: Part I, *Asian Journal of Chemistry*, **2001**, 13(3), 1006-1010.
27. Shivraj Singh Chawada, Shubha Jain, pH dependent photo transformation of some pyrimidines: Part-II, *Asian Journal of Chemistry*, **2001**, 13(3), 1231-1233.
28. Binita Kheradia and Shubha Jain, pH-dependent phototransformation of 5, 5-diphenylhydantoin, *National Academy of Science Letters*, **2001**, 24(1&2), 13-15.
29. Amitbhod Upadhyaya, Deepali Pradhan, Shubha Jain, Photooxygenation of some alkaloids with singlet molecular oxygen, *Indian Journal of Chemistry*, **2001**, 40B, 1255.
30. Shivraj Singh Chawada, M.M. Bokadia, Shubha Jain, Laser Versus lamp photolysis: A comparative account of the photolysis of papavarine by Laser and UV lamp, *Indian Journal of Chemistry*, **2002**,

41B, 865-867.

31. Shubha Jain and Shivraj Singh Chawada, *Laser photolysis of some alkaloids*, *Indian Journal of Heterocyclic Chemistry*, **2002**, 11, 247.
32. Shubha Jain, Amitbodh Upadhyaya, Binita Kheradia, *pH-dependent phototransformation of Atropine*, *International Journal of Chemical Sciences*, **2003**, 1(2), 107-110.
33. Shubha Jain, Rajbala Pandey, Meena Chourey, *Benzophenone and Methylene Blue sensitized photooxidation of Piperine: A comparative study of photooxidation of piperine by ground state & singlet oxygen*, *Indian Journal of Chemistry*, **2004**, 43B, 2245-2248.
34. Shubha Jain, Binita Kheradia, Amitbodh Upadhyaya, *Light Induced phototransformation of Quinine: Studies in the effect of pH*, *National Academy Science Letters*, **2004**, 27(7&8), 273-274.
35. Shivraj Singh Chawada, Suresh C. Ameta, Shubha Jain, *Wavelength dependent phototransformation of dibenzylideneacetone dibromide*, *Journal of Indian Chemical Society*, **2004**, 81, 965-967.
36. Shubha Jain, Rajbala Pandey, Binita Kheradia, *Studies in the effect of intensity and solvent on the course of photolysis of 5,5-diphenylhydantoin*, *Asian Journal of Chemistry*, **2005**, 17(2), 1295-1297.
37. Shubha Jain, Rakha Chauhan, Rajbala Pandey, *pH-dependent phototransformation of 1-formyl piperidine*, *International Journal of Chemical Sciences*, **2007**, 5(1), 51-54.
38. Shubha Jain, Rekha Nagavanshi, Meena Bhakru, Rajbala Pandey, *Benzophenone and methyl orange sensitized photooxidation of flavone and 4'-methoxy flavone: A comparative study*, *Journal of Indian chemical Society*, **2009**, 86, 1237-41.
39. Shubha Jain, Archana Kushwah, Pradeep. K. Paliwal, Neelaiah Babu. G. *pH dependent photooxygenation of Guanine by singlet oxygen in presence of Rose Bengal*, *International Journal of Chemical Sciences*, **2010**, 8(2), 763-768.
40. Shubha Jain, Archana Kushwah, Pradeep. K. Paliwal, Neelaiah Babu. G., *Photooxygenation of Adenosine by Singlet molecular oxygen in different conditions*, *Asian Journal of Research in Chemistry*, **2010**, 3(1), 110-112.
41. Shubha Jain, B. Nagi Reddy, K. Sambasiva Rao, Neelaiah Babu G., *Microwave Assisted Synthesis of Indole Substituted Alkenes Using Knoevenagel Condensation Reaction and their Antibacterial Activity Study*, *E-Journal of Chemistry*, **2010**, 7(S1), S543-S551.
42. Shubha Jain, Nagi Reddy Bhimireddy, Sambasiva Rao Kolisetty, *L-proline catalyzed Knoevenagel condensation: Synthesis of some new indole derivatives and biological activities*, *International*

Journal of Chemtech Research, **2011**, 3(2), 817-824.

43. Shubha Jain, Meena Bakhru, Rekha Nagawanshi, A kinetic study of photochemical oxidation of sucrose by chloramines T in acidic Medium, *Journal of Indian Chemical Society*, **2011**, 88, 963-967.
44. Shubha Jain, Pradeep K.Paliwal, Anjna Bhatewra, Srinivasa Rao J., Neelaiah Babu G., Ionic Liquid TEAA promoted Knoevenagel Condensation: Synthesis and Characterization, *Purva Mimaansa*, **2011**, 2(2), 17-22.
45. Shubha Jain, Rekha Nagwanshi, Meena Bakhru, Sandhya Bageria, Stereoselective photodimerization and antimicrobial activities of heteroaryl chalcones and their photo products, *Journal of Indian Chemical Society*, **2011**, 88, 1571-1576.
46. Shubha Jain, Nagwanshi R., Pandey R., Bakhru M. and Kheradiya B., Light induced condensation of some formyl derivatives of alkaloids with aromatic amines: Formation of schiff's base, *Journal of Environmental Research and development*, **2012**, 6(3), 468-471.
47. Shubha Jain, Archana Kushwah, Anjna Bhatewara, pH Dependent Photooxygenation of Xanthine and Uric acid, *Journal of Indian Chemical Society*, **2012**, 89, 1289-1293.
48. Pradeep Paliwal, Srinivasa Rao Jetti, Shubha Jain, DABCO promoted multi-component one-pot synthesis of xanthene derivatives, *Research Journal of Chemical Sciences*, **2012**, 2(8), 21-25.
49. Pradeep K. Paliwal, Srinivasa Rao Jetti, Shubha Jain, Uncatalyzed Synthesis of Heteroarylidine Derivatives in aqueous medium and their Antibacterial evaluation, *Chemical Science Transactions*, **2012**, 1(3), 494-499.
50. Shubha Jain, Meena Chourey, Srinivasa Rao Jetti, Photooxygenation of N-(2-thiazolyl) sulfanilamide, 2-(4-thiazolyl) benzimidazole and Thiacetazone, *Proceedings of National Academy of Sciences India*, **2012**, 82(4), 291-294.
51. Pradeep Paliwal, Srinivasa Rao Jetti, G.N. Babu, Vikas Mujalda, Shubha Jain, Synthesis and in-vitro antimicrobial evaluation of 2,4-diamino-8,8-dimethyl-6-oxo-5-(heteroaryl)-6,7,8,9-tetrahydro-5H-chromeno [2,3-b]pyridine-3-carbonitrile, *International Journal of Drug Design and Discovery*, **2012**, 3(4), 930-934.
52. Srinivasa Rao Jetti, Divya Verma, Shubha Jain, NBS/AIBN promoted one-pot multi component regioselective synthesis of spiro heterobicyclic rings via Biginelli-like condensation reaction *Journal of Chemical and Pharmaceutical Research*, **2012**, 4(5), 2373-2379.
53. Srinivasa Rao Jetti, Divya Verma, Shubha Jain, One-pot three-component Biginelli-type reaction to synthesize 5-carboxanilide-dihydropyrimidinones catalyzed by ionic liquids in aqueous media, *International Journal of Chemtech Research*, **2012**, 4(4), 1720-1727.
54. Shubha Jain, Pradeep Paliwal, Srinivasa Rao Jetti, V.W. Bhagawat, An efficient and environment

friendly procedure for the synthesis of arylidine derivatives catalyzed by Amberlyst® 15 DRY cation exchange resin as recyclable heterogeneous catalyst, Journal of Engineering Science and Management Education, 2012, 5(4), 683-686.

55. *Shubha Jain, Manoj Dubey, Srinivasa Rao Jetti, Studies in the Effect of Light on Trimethoprim, Furosemide, and Metoclopramide, Journal of Indian Chemical Society, 2013, 90, 69-72.*

(B). Conference Papers:

International:

1. *Shubha Jain, Meena Wadhvani, Kinetics of photochemical oxidation of glucose by chloramines-T in acidic medium: A mechanistic approach, International conference on Manufacturing Science & Technology, Dubai, 2-3 August, 2013, 7-12.*
2. *Shubha Jain, Neelaiah Babu. G, Anjna Jaiswal, Tanuja Kadre, Srinivasa Rao Jetti, Cation Exchange Resin (Amberlyst®15 DRY): An Efficient, Environment Friendly and Recyclable Heterogeneous Catalyst for the Biginelli Reaction, International Conference on Chemistry of Phytopotentials: Health, Energy and Environmental perspectives, Agra, 4-6 November, 2012, 279-283.*

Books Published:

1. *Shubha Jain, Stereochemistry (A monograph), Ratan Prakashan, Agra, 1985.*
2. *Shubha Jain, Karbonic Rasayan (for B.Sc.), Hindi Granth Academy, Bhopal, 1992.*
3. *Shubha Jain, Karbonic Abhikriya Kriyairdhi, Hindi Granth Academy, Bhopal, 2004.*
4. *Shubha Jain, Karbonic Rasayan (for M.Sc.), Hindi Granth Academy, Bhopal, 2006.*

Research Guidance

Supervision of awarded Doctoral Thesis:

1. *Sushma Jaiswal, 1985, Isolation and characterization of proteins and amino acids from plant seeds*
2. *Lalima Shukla, 1989, Photochemical studies of some flavanoids*
3. *Anita Sharma, 1991, Thermal reactions of some chalcones and flavones*
4. *Neerja Jain, 1995, Studies in photolysis (with laser and with UV lamp) and singlet molecular oxygenation of some organic compounds*
5. *Amitbodh Upadhyaya, 2000, Photolysis of some organic compounds by UV light*

6. Deepali Pradhan, **2001**, *Studies in the singlet molecular oxygenation of some alkaloids*
7. Mukesh Sharma, **2001**, *Photochemical studies of some purines, pyrimidines and alkaloids*
8. Archana Kushwaha, **2001**, *Photooxygenation of some purines by singlet molecular oxygen*
9. Shivraj Singh Chawda, **2002**, *Phototransformation of some ketones and their derivatives*
10. Binita Kheradia, **2004**, *Studies in the photolysis of some benzothiazole substituted pyrazolines*
11. Rajbala Pandey, **2005**, *Photolytic study of formyl derivatives of Morpholine, Piperidine and Piparazin by UV light*
12. Manoj Dubey, **2006**, *Studies in the effect of light on Trimethoprim, Furosemide and Metoclopramide*
13. Sandhya Bageria, **2006**, *Studies in the phototransformation of some fluorenes and the effect of substituents on the course of the reaction*
14. Rekha Nagwanshi, **2008**, *Photolytic studies of heterocyclic analogues of Chalcones*
15. Deepti Khare, **2008**, *A topological endeavour to design lipophilicity of macrocyclic compounds (crown ethers)*
16. Prerana Manana, **2008**, *Application of topological indices to QSPR of biologically active Flavanones, hydrazone and pyrazoline derivatives*
17. Meena Chourey, **2008**, *Photolysis and Photooxygenation of N-(2-thiazolyl) sulphanilamide, 2-(4-thiazolyl) benzimidazole and thiacetazone*
18. Meena Bhakru, **2009**, *Studies in the kinetics and mechanism of photochemical oxidation of carbohydrates by Chloramine-T*
19. Rekha Chauhan, **2010**, *The Kinetics of photochemical oxidation of some dicarboxylic acids by Chloramine-T*
20. Rishu Upadhyaya, **2011**, *Studies in the photooxidation of some Chalcones and their derivatives*
21. Neelaiah Babu Ganjinaboyina, **2012**, *Studies in the Synthesis, Characterization and biological activity of some 5-membered heterocyclic compounds using Domino reactions*
22. Nagi Reddy Bhimireddy, **2012**, *Studies in the Synthesis, Characterization and biological activity of some indole derivatives*
23. Pradeep Kumar Paliwal, **2013**, *Studies in the Synthesis, Characterization and biological activities*

of some heteroaryl substituted compounds using combination reactions

24. *Srinivasa Rao Jetti, 2013, Studies in the Synthesis, Characterization and biological activity of some Acridine and Pyrimidinone derivatives*

Supervision of Doctoral Thesis, Submitted:

1. *Anjna Jaiswal, 2013, Synthesis and Characterization of some 5- and 6-membered heterocyclic derivatives by multistep reaction and their biological activities*
2. *Tanuja Kadre, 2013, Studies in the Synthesis, Characterization and biological activities of some Pyrazole and Pyrimidinone derivatives*
3. *Ashish Awasthi, 2013, Application of topological indices to QSPR studies Aziridines and thiazoles and synthesis of compounds proposed on the basis of best model*
4. *Balwant Singh Keshwal, 2013, Synthesis and Characterization of some polysubstituted benzenes linked to heteroaromatics and studies in their biological activities*

Supervision of Doctoral Thesis, under progress:

1. *Veena Pareek, Studies in the photolysis of some benzothiazole substituted pyrazolines*
2. *Deepika Rajguru, Studies in the Synthesis and Characterization of some Pyran derivatives and their biological activity*

Supervision of M.Phil dissertations:

More than 100 dissertations
Working - 04

Conferences Organized

Organization of a Conference

1. *Organized an "Academic Workshop on New trends in Chemistry" held on 26-27 March, 2010.*
2. *Organized a National Conference on "Social, Educational, Technological and Medicinal Relevance of Chemistry" held on 25-26 November, 2011.*

Conferences / Seminars etc. Attended

1. *Convention of Chemists-2000 held at G K University, Haridwar*

2. *Indian Chemical Society-2001 held at J N Vyas University, Jodhpur*
3. *Indian Council of Chemists-2002 held at RDVV, Jabalpur*
4. *Attended the "National Conference on Recent Approaches in Chemical and Environmental Sciences" held at Lakshmi Narain College of Technology & Science, Bhopal on 17th August 2013.*

Research Projects

Name of Project: *Studies in the photolysis of some organic compounds by N₂ laser or UV light*

Position in Project: *Principal Investigator*

Period: *3 years*

Grant: *Rs. 2,00,000/-*

Name of Project: *Photochemistry of some inorganic complexes*

Position in Project: *Principal Investigator*

Period: *2 years*

Grant: *Rs. 16,000/-*

Name of Project: *Synthesis, Characterization and biological activities of some new heteroaryl substituted benzenes*

Position in Project: *Principal Investigator*

Period: *3 years*

Grant: *Rs. 7,19,000/-*

Awards and Distinctions

Received Foolwati Devi Jaiswal silver medal from M P Board of secondary education in 1972

Received Merit scholarship from M. P. Govt. from 1972-77

UGC-SRF from 1980-81

UGC-PDF 1981(May-July)

Association with Professional Bodies

Committees and Boards

President, Vikram University Teachers Association 2005-06

Memberships

1. *Indian Chemical Society*
2. *Indian Council of Chemists*
3. *Indian Science Congress*

Other Activities

Research Interests

Organic Photochemistry, Heterocyclic Synthesis

Survey Articles

Articles of Homogeneous, Heterogeneous Catalysis and Nanotechnology.

Popular Article

Srinivasa Rao Jetti, Divya Verma, Shubha Jain, 3-[(3-(trimethoxysilyl)propyl)thio]propane-1-oxysulfonic acid: An Efficient Recyclable Heterogeneous catalyst for the synthesis of 3,4-Dihydropyrimidin-2(1H)-ones/thiones, Arabian Journal of Chemistry, 2013, (Accepted)

Delivered Lectures

Delivered a lecture on Green Chemistry in "National Conference on Recent Approaches in Chemical and Environmental Sciences" held at Lakshmi Narain College of Technology & Science, Bhopal on 17th August 2013.

Forthcoming Research

Development of greener methods for the synthesis of heterocyclic analogues which have medicinal importance.