




Faculty Details proforma for DU Web-site

(PLEASE FILL THIS IN AND Email it to websiteDU@du.ac.in)

Title	Dr	First Name	Ramendra	Last Name	Pratap	Photograph
Designation	Assist. Prof.					
Address	Room No. 211, Department of Chemistry, University of Delhi, North Campus, Delhi-110007					
Phone No	Office	Tel: +911127666646 ext 178				
Residence						
Mobile						
Email	ramendrapratap@gmail.com , rpratap@chemistry.du.ac.in					
Web-Page						
Educational Qualifications						
Degree	Institution				Year	
Ph.D.	Central Drug Research Institute (RML Avadh University Faizabad)				2007	
PG	DDU Gorakhpur University Gorakhpur, (U.P.) India				2001	
UG	DDU Gorakhpur University Gorakhpur, (U.P.) India				1999	
Career Profile						
August 2009-September 2010: Alexander von Humboldt Postdoctoral Research in Universität des Saarlandes, Saarbrücken, Germany (Mo and W catalyzed hydrostannation reactions)						
July 2007-June 2009: Postdoctoral Research in The City College and City University of New York, New York-10031, USA (DNA modification chemistry, Metal catalyzed C-C and C-N bond formation Reactions, metal catalyzed C-H bond activation reactions)						
2005-2007 (June): Doctoral Research in Central Drug Research Institute, Lucknow (Developed an efficient and concise approach to the synthesis polycyclic aromatics and heteroaromatics)						
2003-2005 (June): Doctoral Research in Central Drug Research Institute, Lucknow (Engaged in the development of novel route to diverse arenes and heteroarenes through ring transformation reactions of 2H-pyran-2-ones)						
2002-2003 (December): Doctoral Research in Central Drug Research Institute, Lucknow (Developed new protocol for the synthesis of antihyperglycemic agents)						
Administrative Assignments						

1. Serve as Member seminar Committee year 2012 1nd 2013
2. Serve as Deputy supertendent central evaluation examination 2013 (summer)
3. Served as observer for Delhi University examination

Areas of Interest / Specialization

Organic Chemistry

Subjects Taught

Organic Chemistry

Ist Semester- Reactive Intermediates, Stereochemistry

IIInd Semester: Spectroscopic technique for identification of Organic compounds, Methods in Organic Synthesis

Time table of the subjects taught during the current semester

S.No.	Subject	Days	Time	Classroom
1	Spectroscopy	Monday Tuesday	10:50-11:45 10:50-11:45	Lecture Hall 4
2	MSc Final Practical	Thursday Friday	09:00-13:00 09:00-13:00	Teaching Lab No. 5

Research Guidance

1. Supervision of awarded Doctoral Thesis -4
2. Supervision of Doctoral Thesis, under progress -5

Publications Profile

1. Goel, Atul; Agarwal, Nidhi; Singh, Fateh V.; Sharon, Ashoke; Tiwari, Priti; Dixit, Manish; **Pratap, Ramendra**; Srivastava, Arvind K.; Maulik, Prakas R.; Ram, Vishnu J. Antihyperglycemic activity of 2-methyl-3,4,5-triaryl-1*H*-pyrroles in SLM and STZ models. *Bioorganic & Medicinal Chemistry Letters* 2004, 14(5), 1089-1092.
2. **Pratap, Ramendra**; Sil, Diptesh; Ram, Vishnu J. An innovative approach to the synthesis of substituted benzaldehydes through carbanion induced ring transformation of suitably functionalized 2*H*-pyran-2-ones. *Tetrahedron Letters* 2004, 45(29), 5743-5745.
3. Sil, Diptesh; Sharon, Ashoke; **Pratap, Ramendra**; Maulik, Prakas R.; Ram, Vishnu J. Synthesis of benzocyclobutanes through ring transformation reactions of 2*H*-pyran-2-ones. *Synlett* 2004, 12, 2163-2164.
4. **Pratap, Ramendra**; Sharon, Ashoke; Maulik, Prakas R.; Ram, Vishnu J. A one-pot synthesis of an annelated[a]aza-thieno[3,2-*g*]naphthalenone through ring transformation followed by photocyclization. *Tetrahedron Letters* 2005, 46, 85-87.
5. Sharon, Ashoke; **Pratap, Ramendra**; Tripathi, Brajendra; Srivastava, A. K.; Maulik, P. R.; Ram, Vishnu J. Biaryls and heterobiaryls as α -glucosidase and protein tyrosine phosphatase inhibitors. *Bioorganic & Medicinal Chemistry Letters* 2005, 15(5), 1341-1344.
6. Sharon, Ashoke; **Pratap, Ramendra**; Maulik, Prakas R.; Ram, Vishnu J. Synthesis of annelated[a]aza-anthracenones and thieno[3,2-*g*]aza-naphthalenones through ring transformation of 2*H*-pyran-2-one followed by photocyclization. *Tetrahedron* 2005, 61(15), 3781-3787.
7. Sharon, Ashoke; **Pratap, Ramendra**; Tiwari, Priti; Srivastava, Arvind; Maulik, P. R.; Ram, Vishnu J.

- Synthesis and in vivo antihyperglycemic activity of 5-(1*H*-pyrazol-3-yl)methyl-1*H*-tetrazoles. *Bioorg. Med. Chem. Lett.* **2005**, *15*, 2115-2117.
8. **Pratap, Ramendra**; Sil, Diptesh; Ram, Vishnu J. Substituent dependent regioselective synthesis of pyranopyrandiones and 1,2-teraryls from 2*H*-pyran-2-ones. *Tetrahedron Letters* **2005**, *46*(30), 5025-5027.
 9. Sharon, Ashoke; **Pratap, Ramendra**; Vatsyayan, R.; Maulik, P. R.; Roy, U.; Goel, A.; Ram, Vishnu J. 6-Aryl-4-methylsulfanyl-2*H*-pyran-2-one-3-carbonitriles as PPAR- γ activators. *Bioorganic & Medicinal Chemistry Letters* **2005**, *15*(14), 3356-3360.
 10. **Pratap, Ramendra**; Kumar, R.; Maulik, P.R.; Ram, Vishnu J. A non-catalytic regioselective approach to the synthesis of (*E*)-stilbenes from suitably functionalized 2*H*-pyran-2-ones. *Tetrahedron Letters* **2006**, *47*, 2949-2952.
 11. Sil, D.; **Pratap, Ramendra**; Kumar, R.; Maulik, P.R.; Ram, Vishnu J. Unusual sulfanylation through ring transformation of arene-tethered 2*H*-pyran-2-ones by *in situ* built Michael adduct *Tetrahedron Letters* **2006**, *47*, 3759–3762.
 12. **Pratap, Ramendra**; Brijesh Kumar.; Ram, Vishnu J. Substituent induced regioselective synthesis of 1,2-teraryls and pyrano[3,4-*c*]pyran-4,5-diones from 2*H*-pyran-2-ones *Tetrahedron* **2006**, *62*(34), 8158-8163.
 13. **Pratap, Ramendra**; Ram, Vishnu J. A regioselective synthesis of aryl substituted arylacetates through ring transformation by ethyl levulinate *Tetrahedron Letters* **2006**, *47*, 5389-5391.
 14. **Pratap, Ramendra**; Kushwaha, S. P.; Goel, A.; Ram, V. J. An efficient synthesis of (*E*)-(2-aryl)pyrazino[1,2-*a*]pyridine-4-ylidene)acetonitriles and cyanomethyl appended pyrimidines *Tetrahedron Letters* **2007**, *48*, 549-553.
 15. **Pratap, Ramendra**; Roy, A. B.; Roy Raja and Ram, V. J. A novel synthesis of aryl tethered imidazo[4,5-*b*]pyrazine-2-ones through in situ ring construction and contraction *Tetrahedron Letters* **2007**, *48*, 1281-1285.
 16. **Pratap, Ramendra**; Ram, V. J. An efficient and versatile route to the synthesis of 9,10-dihydro-3-formylphenanthrenes *Tetrahedron Letters* **2007**, *48*, 1715-1719.
 17. **Pratap, Ramendra**; Ram, V. J. A non-catalytic approach to the synthesis of 5,6-dihydrobenzo[*h*]quinolines *Tetrahedron Letters* **2007**, *48*, 2755-2759.
 18. **Pratap, Ramendra**; Rishi Kumar, P. R. Maulik, Ram, V. J. Versatility of 2-oxobenzo[*h*]chromene for the synthesis of oxabenzo[*c*]chrysenes *Tetrahedron Letters* **2007**, *48*, 3311-3314.
 19. **Pratap, Ramendra**; Ram, V. J. 2-Oxobenzo[*h*]Chromene: A novel Entry for the concise and efficient synthesis of indeno[1,2-*c*]phenanthrenes *Tetrahedron Letters* **2007**, *48*, 4379-4382.
 20. **Pratap, Ramendra**; Farahanullah; Raghunandan R.; Maulik P. R.; Ram, V. J. Substituent directed regioselective synthesis of 2-oxonicotonic acids and methyl nicotines *Tetrahedron Letters* **2007**, *48*, 4939-4942.
 21. **Pratap, Ramendra**; Ram, V. J. 2-Oxobenzo[*h*]chromene: A novel entry for the synthesis of functionalized angular polycyclic azaarenes *Tetrahedron Letters* **2007**, *48*, 5039-5042.
 22. **Pratap, Ramendra**; Ram, V. J. An efficient and novel approach to the synthesis of tetrahydrophenanthro[4,3-*b*]thiophenes *Tetrahedron Letters* **2007**, *48*, 4715-4718.

23. **Pratap, Ramendra;** Ram, V. J. An efficient de novo synthesis of partially reduced phenanthrenes through C-C insertion *J. Org. Chem.* **2007**, *72*, 7402-7405.
24. **Pratap, Ramendra;** Ram, V. J. Acetyltrimethylsilane mediated synthesis of dihydrophenanthrenes *Tetrahedron Letters* **2007**, *48*, 6318-6320.
25. **Pratap, Ramendra;** Kumar, Brijesh; Ram, V. J. An efficient substituent dependent synthesis of congested pyridines and pyrimidines *Tetrahedron* **2007**, *63*, 10309-10319.
26. **Pratap, Ramendra;** Roy, A. B.; Kushwaha, S. P.; Goel, A.; Roy, Raja; Ram, V. J. Guanidine and amidine mediated synthesis of bridgehead triazaphenalenenes, pyrimidines and pyridines through domino reactions *Tetrahedron Letters* **2007**, *48*, 5845-5849.
27. **Pratap, Ramendra;** Kumar Brijesh; Ram, V. J. Synthesis of arylated highly congested indans using a domino sequence *Tetrahedron* **2007**, *63*, 10300-10319.
28. **Pratap, Ramendra;** Raghunandan R., Maulik P. R., Ram, V. J. An unusual synthesis of tetrahydrobenzo[f]isoquinolines *Tetrahedron Letters* **2007**, *48*, 7982-7985.
29. **Pratap, Ramendra;** Ram, V. J. Synthetic potential of 2-oxobenzo[h]chromene for the construction of polycyclic azaheteroaromatics with a steroid-like skeleton *Tetrahedron Letters* **2007**, *48*, 8547-8549.
30. **Pratap, Ramendra;** Ram, V. J. Synthesis of partially reduced ferrocenylphenanthrenes from 2-oxobenzo[h]chromenes through C-C insertion *Tetrahedron Letters* **2007**, *48*, 394-396.
31. Gupta, V. P.; Khartad, P.; Mishra, S.; **Pratap, Ramendra;** Ram, V. J. *Ab initio* and experimental studies on structure and vibrational spectra of some partially reduced benzo[c]phenanthrenes *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* **2008**, *82*-101.
32. **Pratap, Ramendra;** Ram, V. J. A substituent directed regioselective synthesis of aryl/pyronyl pendant unusual adipate and tetrahydronaphthalene *Tetrahedron Letters* **2008**, *49*, 3011-3014.
33. **Pratap, Ramendra;** Ram, V. J. Economical synthesis of novel class of heteroatom containing partially reduced polycyclic aromatic hydrocarbons *Tetrahedron Letters* **2009**, *50*, 2805-2807.
34. **Pratap, Ramendra;** Ram, V. J. An efficient non-catalytic, regioselective approach to the synthesis of angularly fused polycyclic systems *Tetrahedron Letters* **2009**, *50*, 4239-4242.
35. **Pratap, Ramendra;** Raghunandan R., Maulik P. R., Ram, V. J. A convenient synthesis of partially reduced benzo[c]phenanthrenes, its ketals and ketones *Tetrahedron* **2010**, *66*, 1458-1464.
36. **Pratap, Ramendra;** Parrish, Damon; Gunda, Padmaja and Lakshman, Mahesh K. Influence of Biaryl Phosphane Structure on C-N and C-C Bond Formation *J. Am. Chem. Soc.*, **2009**, *131*, 12240-12249.
37. Goel, Atul; Verma, D.; Pratap, Ramendra; Taneja, G.; Hemberger, Y.; Knauer, M.; Raghunandan, R.; Maulik, P. R.; Ram, V. J.; Bringmann, G., Partially Hydrogenated 7-Oxa[5]helicenes and [5]Helicenes: Synthesis, Structures, and Dynamics *Eur. J. Org. Chem.* **2011**, *16*, 2940. (**Impact factor- 3.206**)
38. Lakshman, Mahesh K.; Deb, A. C.; Chamala, R. R.; Pradhan, P.; **Pratap, Ramendra**, Direct Arylation of 6-Phenylpurine and 6-Arylpurine Nucleosides by Ruthenium-Catalyzed C-H Bond Activation *Angew. Chem. Int. Ed.*, **2011**, *50*, 2011, 11400-11404. (**Impact factor- 12.730**)
39. Lakshman, Mahesh K.; Deb, A. C.; Chamala, R. R.; Pradhan, P.; **Pratap, Ramendra**, Direct Arylation of 6-

Phenylpurine and 6-Arylpurine Nucleosides by Ruthenium-Catalyzed C-H Bond Activation *Angew. Chem. Int. Ed.*, **2011**, 50, 2011, 11264. (**Impact factor- 12.730**)

40. Maurya, Hardesh K.; Pratap, Ramendra; Tandon, Vishnu K.; Mishra, p.; Kumar, B.; Ram, V. J., Oxaheterocycles: Di- and Trioxabenz[3,4]cyclohepta[1,2-a]naphthalene-6,7-diones and Dibenzo[a,c]cycloheptene-3-carbonitriles, *Heterocycle*, **2012**, 84, 555-567. (**Impact factor- 1.093**)
41. Maurya, H. K.; Gautam, S. K.; **Pratap, R.**; Tandon, V. K.; Kumar, A.; Bajpai, V.; Kumar, B.; Ram, V. J. Sequential approach to the synthesis of 'U and Z' shaped polycyclic heteroarenes *Org. Biomol. Chem.*, **2012**, **10**, 4977-4986.
42. **Pratap, Ramendra**; Raghunandan, R.; Kumar, A.; Ram, Vishnu Ji, Bicyclic ketone mediated synthesis of oxygenated aromatic systems *RSC Adv.*, **2012**, **2**, 2688-2691.
43. Pratap, Ramendra; Raghunandan, R.; Maulik, P. R.; Vishnu Ji, Naphtho[2,1-*h*]isoquinolines: a new class of partially reduced polycyclic aromatic nucleus, *RSC Adv.*, 2012, 2, 1299-1302.
44. Pratap, Ramendra; Kumar, A.; Pick, Rigoberg; Hüch, Volker; Ram, Vishnu Ji, Metal-free synthesis of nitrile based partially reduced thia-and oxa-thia[5]helicenes: conformation and dynamics, *RSC Adv.*, **2012**, **2**, 1557-1564.
45. Maurya, H. K.; **Pratap, R.**; Kumar, A.; Kumar, B.; Hüch, V.; Tandon, V. K.; Ram, V. J. A carbanion induced ring switching synthesis of spiranes: an unprecedented approach *RSC Adv.*, **2012**, **2**, 9091-9099.
46. Singh, P.; Agrawal, S.; Tiwari, A. K.; Pratap, R.; Mishra, A. K. Design, Synthesis and biological evaluation of catecholamine vehicle for studying dopaminergic system *Chem. Biol. & Drug Design* **2013**, Accepted
47. Kumar, S.; Pratap, R.; Kumar, A.; Kumar, B.; Tandon, V. K.; Ram, V. J. Direct alkenylation of indolin-2-ones by 6-aryl-4-methylthio-2H-pyran-2-one-3-carbonitriles: a novel approach *Beilstein J. Org. Chem.*, **2013**, 2013, 9, 809-817.
48. Kumar, S.; Pratap, R.; Kumar, A.; Kumar, B.; Tandon, V. K.; Ram, V. J. Synthesis of Dibenzo[*d,f*]diazepinones and Alkenylindolinones through ring transformation of 2H-pyran-2-ones with indolin-2-ones *Tetrahedron*, **2013**, 69, 4857.
49. Sahu, S. N.; Gupta, M. K.; Jadhav, T.; Yadav, P.; Singh, S.; Misra, R.; **Pratap, Ramendra** Substituent dependent tunable fluorescence in thieno[3,2-*c*]pyrans *RSC Adv.*, **2014**, **4**, 56779-56783.
50. Singh, S.; Althagafi, I.; Yadav, P.; Panwar, R.; Kumar, A.; **Pratap, R.** Base mediated synthesis of α -aminated aroyl/acetylnaphthalenes through [4+2] annulations, *Tetrahedron*, **2014**, 70, 8879.
51. Singh, S.; Yadav, P.; Sahu, S. N.; Sharon, A.; Kumar, B.; Ram, V. J.; **Pratap, R.** One pot synthesis of arylated benzo[*h*]quinolines, *Synlett*, **2014**, 25, 2599-2604.
52. **Pratap, R.**; Ram, V. J.; Natural and Synthetic Chromenes, Fused Chromenes and Versatility of Dihydrobenzo[*h*]chromenes in Organic Synthesis, *Chem. Rev.*, **2014**, 2014, 114, 10476.
53. Singh, P.; Agrawal, S.; Tiwari, A. K.; Kumar, V.; **Pratap, R.**; Chuttani, K.; Mishra, A. K. Bis(Methylpyridine)-EDTA Derivative as a Potential Ligand for PET Imaging: Synthesis, Complexation and Biological Evaluation *Chem. Biol. & Drug Design* **2014**, DOI: 10.1111/cbdd.12366.
54. Maurya, H. K.; Gautam, S. K.; Pratap, R.; Tandon, V. K.; Kumar, A.; Kumar, B.; Saxena, S.; Tripathi, D.;

- Rajwanshi, M.; Das, M.; Ram, V. J. Regioselective synthesis of polycyclic aza-oxa and aza-oxa-thia heteroarenes as Colo-205 and HepG2 carcinoma cells growth inhibitors *European Journal of Medicinal Chemistry*, **2014**, *81*, 367-377.
55. Singh, S.; Yadav, P.; Sahu, S. N.; Althagafi, I.; Kumar, A.; Kumar, B.; Ram, V. J.; **Pratap, R.** Synthesis of 1-amino-2-aryl/acetylnaphthalenes through base mediated one pot inter and intramolecular C-C bond formation strategy *Org. Biomol. Chem.*, **2014**, 4730-4737.
56. Yadav, P.; Singh, S.; Sahu, S. N.; Hussain, F.; **Pratap, R.** Microwave assisted base dependent regioselective synthesis of partially reduced chromenes, isochromenes and phenanthrenes *Org. Biomol. Chem.*, **2014**, *12*, 2228-2234.
57. Singh, S.; Panwar, R.; Althagafi, I.; Sharma, V.; Chaudhary, S.; **Pratap, R.** Base mediated regioselective synthesis of highly functionalized conjugated enones *Tetrahedron Lett.* **2015**, *56*, 5203-5208.
58. **Pratap, R.**, Yadav, D. K., Singh, S., Rai, R., Kumar, N., Uhm, H.-S., Singh, H., Pérez-Sánchez, H. Molecular docking and biological evaluation of functionalized benzo[h]quinolines as colon cancer agents *Lecture Notes in Computer Science* (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), **2015**, 9044 pp. 664 – 673.
59. Sahu, S. N.; Gupta, M. K.; Singh, S.; Yadav, P.; Panwar, R.; Kumar, A.; Ram, V. J., Kumar, B.; **Pratap, R.** One pot synthesis of tetrasubstituted thiophenes: [3+2] Annulation Strategy *RSC Adv.*, **2015**, *5*, 36979.
60. Singh, S.; Panwar, P.; Yadav, P.; Althagafi, I.; Sahu, S. N.; **Pratap, R.** Precursor directed regioselective synthesis of partially reduced benzo[e]indene through oxidative cyclization and benzo[h]quinolines *RSC Adv.*, **2015**, *5*, 183351-18341.
61. Pooja,; Aggarwal, S.; Tiwari, A. K.; Kumar, V.; **Pratap, R.**; Singh, R.; Mishra, A. K. Novel pyridinium oximes: synthesis, molecular docking and in vitro reactivation studies *RSC Adv.*, **2015**, *5*, 23471-23480.
62. Yadav, D. K.; Rai, R.; Kumar, N.; Singh, S.; Misra, S.; Sharma, P.; Shaw, P.; Pérez-Sánchez, H.; Mancera, R. L.; Choi, E. H.; Kim, M.h.; Pratap, R. New arylated benzo[h]quinolines induce anti-cancer activity by oxidative stress-mediated DNA damage, *Scientific Report*, 2016, *6*, 38128.
63. Gautam, S. K.; Maurya, H. K.; Pratap, R.; Kumar, B.; Kumar, A.; Tandon, V. K.; Ram, V. J. Strategy to Construct Stair-Shaped Partially Reduced Naphtho[1,2-b]pyrano[2,3-d]oxepines and Dinaphtho[1,2-b,d]oxepines *J. Heterocycl. Chem.* **2016** *53*, 2070.
64. Sahu, S. N.; Singh, S.; Shaw, R.; Shally; Ram, V. J.; **Pratap, R.** One-pot and step-wise regioselective synthesis of thieno[3,2-c]pyridin-4-ones *RSC Adv.* **2016**, *6*, 85515.
65. Singh, S.; Shaw, R.; Shally; Chaudhary, S.; Kumar, A.; **Pratap, R.** Synthesis of arylated and aminated naphthalenes and their synthetic applications for aza-heterocycles *Tetrahedron*, **2016**, *72*, 6436 .
66. Singh, S.; Reddy, T. S.; Panwar R.; Misra, R.; **Pratap, R.** 2-(2,2-Bis-benzylamino-1-cyano-vinyl)-benzonitrile:

A Selective Turn-off Fluorescent Cu²⁺ Sensor Chemistry Select **2016**, 1, 2576 – 2580.

67. Singh, S.; Shally; Shaw, R.; Yadav, R.; Kumar, A.; **Pratap, R.** Microwave directed metal-free regioselective synthesis of 1,2-teraryls and study of supramolecular interactions *RSC Adv.*, **2016**, 6, 1557-1564.
68. Panwar, R.; Singh, S.; Shally, Yadav, P.; Shaw, R.; **Pratap, R.** Synthesis of Partially Reduced Imidazo[1,2-a]pyridines through an Unprecedented Base-Mediated (4+2) Cyclization Synlett, **2017**, 28, 819.
69. **Pratap, R.**; Ram, V. J. 2H-Pyran-2-ones and their annelated analogs as multifaceted building blocks for the fabrication of diverse heterocycles Tetrahedron. **2017**, 73, 2529.
70. Yadav, P.; Shaw, R.; Panwar, R.; Sahu, S. N.; Kumar, A.; **Pratap, R.** A Base-Mediated 6-exo-trig versus 6-exo-dig Carbocyclization Strategy for the Synthesis of Functionalized Biaryl Compounds, *Asian J. Org. Chem.* **2017**, 6, 1394.
71. Rai, R.; Dutta, R. K.; Singh, S.; Yadav, D. K.; Kumari, S.; Singh, H.; Gupta R. D.; **Pratap, R.** Synthesis, biological evaluation and molecular docking study of 1-amino-2-arylnaphthalenes against prostate cancer, *Bioorg. Med. Chem. Lett.* **2018** 28, 1574.
72. Yadav, P.; Shaw, R.; Elagamy, A.; Kumar, A.; Pratap, R. Base controlled diverse reactivity of allyl cyanide for synthesis of multi-substituted benzenes, *Org. Biomol. Chem.* 2018, 16, 5465.
73. Althagafi, I.; Shaw, R.; Tang, C. R.; Panwar, R.; Sinha, C.; Kumar, A.; Zheng Y. T.; Pratap, R. Chemoselective synthesis of isolated and fused fluorenones and their photophysical and antiviral properties *Org. Biomol. Chem.* 2018, 16, 7477.
74. Panwar, R.; Shaw, R.; Elagamy, A.; Pratap, R. Chemoselective synthesis of m-teraryls through ring transformation of 2 H-pyran-2-ones by 2-(1-arylethylidene)-malononitriles, *Org. Biomol. Chem.* 2018, 16, 8994.
75. Panwar, R.; Shally; Shaw, R.; Elagamy, A.; Shah, C.; Pratap, R. Substituent-Dependent Chemoselective Synthesis of Highly Functionalized Benzo[h]quinolines and 4-Benzylpyrans from 2-Methyl-5-nitrobenzonitrile, 2018, 2, 276.
76. Elagamy, A.; Shaw, R.; Panwar, R.; Shally; Ram, V. J.; Pratap, R. Synthesis of Highly Functionalized Spirobutenolides via a Nitroalkane-Mediated Ring Contraction of 2-Oxobenzo[h]chromenes through Denitration *J. Org. Chem.* 2019, 84, 1194.
77. Pratap, R.; Yorimitsu, H. Palladium-Catalyzed Amination of Aryl Sulfides and Sulfoxides with Azaarylamines of Poor Nucleophilicity, *Synthesis*, 2019, Accepted.

Publications in the Last one year

1. Yadav, P.; Shaw, R.; Elagamy, A.; Kumar, A.; Pratap, R. Base controlled diverse reactivity of allyl cyanide for synthesis of multi-substituted benzenes, *Org. Biomol. Chem.* 2018, 16, 5465.
2. Althagafi, I.; Shaw, R.; Tang, C. R.; Panwar, R.; Sinha, C.; Kumar, A.; Zheng Y. T.; Pratap, R. Chemoselective synthesis of isolated and fused fluorenones and their photophysical and antiviral properties *Org. Biomol. Chem.* 2018, 16, 7477.

<p>3. Panwar, R.; Shaw, R.; Elagamy, A.; Pratap, R. Chemoselective synthesis of m-teraryls through ring transformation of 2 H-pyran-2-ones by 2-(1-arylethylidene)-malononitriles, <i>Org. Biomol. Chem.</i> 2018, 16, 8994.</p> <p>4. Panwar, R.; Shally; Shaw, R.; Elagamy, A.; Shah, C.; Pratap, R. Substituent-Dependent Chemoselective Synthesis of Highly Functionalized Benzo[h]quinolines and 4-Benzylpyrans from 2-Methyl-5-nitrobenzonitrile, 2018, 2, 276.</p> <p>5. Elagamy, A.; Shaw, R.; Panwar, R.; Shally; Ram, V. J.; Pratap, R. Synthesis of Highly Functionalized Spirobutenolides via a Nitroalkane-Mediated Ring Contraction of 2-Oxobenzo[h]chromenes through Denitration <i>J. Org. Chem.</i> 2019, 84, 1194.</p> <p>6. Pratap, R.; Yorimitsu, H. Palladium-Catalyzed Amination of Aryl Sulfides and Sulfoxides with Azaarylamines of Poor Nucleophilicity, <i>Synthesis</i>, 2019, Accepted.</p>
Conference Organization/ Presentations (in the last three years)
<i>Conference Attended: 6</i>
Research Projects (Major Grants/Research Collaboration)
<i>R and D Grant from University of Delhi CSIR Project (Major) 15 Lac and One Student UGC Project (Major) 6-36 Lac DST Project (Major) 21.9 Lac + overhead CSIR Project (Major) 12.5 Lac and One Research Associate ICMR Project (Major) 10 Lacs and one Scientist C</i>
Awards and Distinctions
Alexander von Humboldt fellow JSPS invitation fellowship (May 2016-March 2017)
Association With Professional Bodies
<ol style="list-style-type: none"> 1. <i>Reviewing: Arkivoc, Tetrahedron Letters, Bentham Journals, Bioorg. Med. Chem, Bioorg. Med. Chem Lett etc</i> 2. <i>Committees and Boards: Associate Editor of OJMC (Hindawi Journal)</i> 3. <i>Memberships: Royal Society of Chemistry, Indian Science Congress</i>
Other Activities

Signature of Faculty Member

- You are also requested to also give your complete resume as a DOC or PDF file to be attached as a link on your faculty page.