

Dr. Manoj Kumar Gupta

Assistant Professor
Department of Chemistry
School of Basic Sciences
Central University of Haryana
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CONTACT INFO

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ACADEMIC AND PROFESSIONAL BACKGROUND

Assistant Professor (February 2016-Present)	Department of Chemistry, School of Basic Sciences, Central University of Haryana, Mahendergarh, Haryana
Fast Track Young Scientist (PI) of SERB funded project (April 2014-February 2016)	Centre of Biomedical Research (CBMR), Lucknow, Uttar Pradesh
FP7 Marie Curie (International Incoming Fellowship) Postdoctoral Researcher (September 2011-September 2013)	University College Cork, Ireland (Research Supervisor- Dr. Tim O'Sullivan)
Postdoctoral Researcher (November 2009-April 2011)	University of Alabama, Tuscaloosa, AL, USA and University of Tennessee Medical Centre (UTMC), Knoxville, TN, USA. (Research Supervisors- Prof. Timothy S. Snowden and Prof. G. W. Kabalka)
Research Associate (2008-2009)	Sai Advantium Pharma Ltd., Hyderabad, India,
Ph.D.* (2003-2008)	CSIR-Indian Institute of Chemical Technology (IICT), Hyderabad, India, (Research Adviser – Dr. J. S. Yadav)

*The conferred degree awarded from Vidyasagar University, Midnapore, W.B. on April 2, 2009

PROFESSIONAL RECOGNITIONS, AWARDS AND FELLOWSHIPS

<u>Year</u>	<u>Professional Recognition, Awards and Fellowships</u>	<u>Awarding agency</u>
2012	Ireland's Champions of EU Research	Seventh EU Framework Programme Ireland
2010	EU Marie-Curie International Incoming Fellowship	Marie-Curie Actions (European Union)
2009	Asia Outstanding Thesis Award (First Prize)	Eli-Lilly & Company, USA
2007	Director's Special Appreciation Award for SRF	CSIR-IICT Hyderabad, India
2005	Best SRF Award	CSIR-IICT Hyderabad, India
2004	Best JRF Award	CSIR-IICT Hyderabad, India
2005-2008	CSIR- Senior Research Fellowship (SRF)	CSIR New Delhi, India
2003-2005	CSIR-Junior Research Fellowship (JRF)	CSIR New Delhi, India
2002	Uttar Pradesh State Level Eligibility Test	UGC, India
2002	CSIR-JRF (June 2002) and CSIR-NET (Dec 2002)	CSIR-UGC, New Delhi

COURSES TAUGHT

- Reaction Mechanism: Structure and Reactivity
- Aliphatic Nucleophilic and Electrophilic Substitution Reactions
- Aromatic Electrophilic and Nucleophilic Substitution Reactions
- Elimination Reactions
- Addition to Carbon-Carbon and Carbon-Hetero Multiple Bonds
- Heterocycles and Natural Products
- Applications of Spectroscopy (NMR, UV-Visible Spectroscopy, IR Spectroscopy and Mass spectrometry)

- Medicinal & Pharmaceutical Chemistry (Antibiotics and Cardiovascular Drugs and Local Anti-infective Drugs and Psychoactive Drugs)
- Pharmaceutical Chemistry
- Basics of Medicinal Chemistry (Drug Design and Synthesis, Drugs and Society)
- Practical Organic Chemistry (Chemistry Laboratory)

RESEARCH INTERESTS

- Synthetic methodology
- Natural Product Synthesis
- Medicinal Chemistry
- Design, Synthesis, Gelation Study and Applications of Low Molecular Mass Gelators

RESEARCH GROUP

(i) Ph.D.

Sl. No.	Name of Student	Roll No. Registration No.	Nature of Fellowship	Date of Admission	Current Status
1	Mr. Anil Kumar	8841 CUH/2016/CHEM/029/8841	CSIR (JRF & SRF)	11 th July 2016	Awarded on July 26, 2021
2	Ms. Eqvinshi	10817 CUH1702910817	CSIR (JRF & SRF)	13 th July 2017	Ongoing
3	Ms. Monika	180300 CUH18029180300	CSIR (JRF & SRF)	19 th July 2018	Ongoing
4	Ms. Sharol Sebastian	190602 CUH19020190602	UGC JRF	13 th August 2019	Ongoing

(ii) M.Sc. Project / Dissertation

Sl. No.	Name of Student	Roll. No.	Period	Guide/Co-Guide	Status
1	Mr. Vikas Yadav	5193	February-May 2016	Guide	Completed
2	Mr. Anil Kumar	5171	February-May 2016	Guide	Completed
3	Mr. Vipin Arora	5194	February-May 2016	Guide	Completed
4	Ms. Pooja Yadav	5186	February-May 2016	Guide	Completed
5	Mr. Mandeep Malik	6165	January-June 2017	Co-guide	Completed
6	Mr. Vipin	6162	January-June 2017	Guide	Completed
7	Ms. Anuradha	6180	January-June 2017	Guide	Completed
8	Ms. Poonam	6186	January-June 2017	Guide	Completed
9	Ms. Meenakshi Sarwan	8830	January-June 2018	Guide	Completed
10	Ms. Lalita Kumari	8822	January-June 2018	Guide	Completed
11	Mr. Yogendra Singh	8802	January-June 2018	Guide	Completed
12	Ms. Ritu Bharadwaj	8803	January-June 2018	Co-guide	Completed
13	Ms. Damini Singh	8805	January-June 2018	Co-guide	Completed
14	Mr. Shashikant Tiwari	8801	January-June 2018	Co-guide	Completed
15	Ms. Aekta	8810	January-June 2018	Co-guide	Completed
16	Ms. Bhawna Swami	8815	January-June 2018	Co-guide	Completed
17	Ms. Manisha	8819	January-June 2018	Co-guide	Completed
18	Mr. Deepak Kumar	10776	January-June 2019	Guide	Completed
19	Ms. Monika	10787	January-June 2019	Guide	Completed
20	Mr. Lalit	10783	January-June 2019	Guide	Completed
21	Ms. Sonam	10800	January-June 2019	Guide	Completed
22	Mr. Suraj Singh	10803	January-June 2019	Co-guide	Completed
23	Mr. Akash Panja	180257	January-June 2020	Co-guide	Completed
24	Mr. Akshay Kumar	180258	January-June 2020	Guide	Completed
25	Ms. Jyoti Rani	180271	January-June 2020	Co-guide	Completed
26	Ms. Manisha	180274	January-June 2020	Co-guide	Completed
27	Ms. Nargis Sultana	180276	January-June 2020	Co-guide	Completed

28	Ms. Pooja	180278	January-June 2020	Co-guide	Completed
29	Mr. Rajat Kumar Sharma	180287	January-June 2020	Co-guide	Completed
30	Ms. Rashmi Prabha	180289	January-June 2020	Co-guide	Completed
31	Mr. Sagar	180290	January-June 2020	Guide	Completed
32	Mr. Adarsh Kumar Rai	190536	January-June 2021	Guide	Completed
33	Ms. Anu Supriya	190540	January-June 2021	Guide	Completed
34	Ms. Anukarita Mandal	190541	January-June 2021	Guide	Completed
35	Ms. Jitesh	190554	January-June 2021	Guide	Completed
36	Ms. Mamta	190558	January-June 2021	Guide	Completed
37	Ms. Monika	190563	January-June 2021	Guide	Completed

(iii) Students supervised during Postdoc

Supervised 2x final year undergraduate Pharmacy students in Department of Chemistry & School of Pharmacy, ABCRF Cavanagh Pharmacy Building, University College Cork, Ireland in 2012 & 2013.

LIST OF PUBLISHED PAPERS & REVIEWS IN PEER REVIEWED JOURNALS

Total number of publications	:	46
Total number of book/book chapter	:	01
Citations	:	936
<i>h</i> -index	:	18
<i>i</i> 10 index	:	28

(Source – Google Scholar

(https://scholar.google.co.in/citations?hl=en&user=6JDdfm4AAAAJ&view_op=list_works&authuser=2&sortby=pubdate)

JOURNAL WISE BREAK UP			
Journal	Publisher	Impact Factor (2020)	Number
<i>Nature Communications</i>	Nature Research	14.919	1
<i>Chemical Communications</i>	Royal Society of Chemistry	6.222	2
<i>Organic Letters</i>	American Chemical Society	6.005	1
<i>Advanced Synthesis & Catalysis</i>	Wiley-VCH	5.837	1
<i>J. Organic Chemistry</i>	American Chemical Society	4.354	2
<i>J. Mol. Catalysis A: Chemical</i>	Elsevier	3.958	3
<i>Org. Biomol. Chem.</i>	Royal Society of Chemistry	3.876	1
<i>Catalysis Communications</i>	Elsevier	3.626	2
<i>New J. Chem.</i>	Royal Society of Chemistry	3.591	1
<i>RSC Adv.</i>	Royal Society of Chemistry	3.361	2
<i>Synthesis</i>	Thieme	3.157	8
<i>Eur. J. Org. Chem.</i>	Wiley-VCH	3.021	1
<i>Synlett</i>	Thieme	2.454	3
<i>Tetrahedron Letters</i>	Elsevier	2.415	10
<i>Curr. Org. Chem</i>	Bentham Science	2.18	2
<i>Monatsh. Chem.</i>	Springer	1.451	4
<i>Int. J. Phar. Sci. Res.</i>		-	1

BOOK CHAPTER

Gupta MK, Monika, Sebastian S “Gallium and Indium Complexes in Organic Synthesis” in Comprehensive Organometallic Chemistry, Vol IV, Elsevier. Published online on 31st July 2021. (<https://doi.org/10.1016/B978-0-12-820206-7.00034-2>).

PUBLICATIONS

46. Khatana, AK, Singh V, **Gupta, MK**, Tiwari B, "Carbene catalyzed access to 3,6-disubstituted α -pyrones via Michael addition/lactonization/elimination cascade" *Adv. Synth. Catal.* **2021**. <https://doi.org/10.1002/adsc.202100760>
Impact Factor = 5.837
45. Sebastian S, Monika, Khatana AK, Yadav E, **Gupta MK** "Recent approaches towards one-carbon homologation functionalization of aldehydes" *Org. Biomol. Chem.* **2021**, *19*, 3055–3074.
Impact Factor – 3.876
44. Yadav E, Khatana AK, Sebastian S, **Gupta MK** "DAP derived fatty acid amide organogelators as novel carrier for drug incorporation and pH-responsive release" *New J. Chem.* **2021**, *New J. Chem.*, **2021**, *45*, 415-422.
Impact Factor – 3.591
43. An Sq, Murtagh J, Twomey KB, **Gupta MK**, O'Sullivan TP, Ingram R, Valvano MA and Tang JI "Modulation of antibiotic sensitivity and biofilm formation in *Pseudomonas aeruginosa* by interspecies diffusible signal factor analogues" *Nature Communications* **2019**, *10*, 2334.
Impact factor – 14.919
42. Kumar VP, **Gupta MK**, Horgan C and O'Sullivan TP, "Synthesis of the quorum sensing molecule Diffusible Signal Factor using the alkyne zipper reaction" *Tetrahedron Lett.* **2018**, *59*, 2193-2195.
Impact factor – 2.415
41. Khatana AK, Singh V, **Gupta MK** and Tiwari B, "A Highly Efficient NHC-Catalyzed Aerobic Oxidation of Aldehydes to Carboxylic Acids Synthesis" *Synthesis* **2018**, *50*, 4290-4294.
Impact factor – 3.157
40. An Sq, Murtagh J, Twomey KB, **Gupta MK**, O'Sullivan TP, Ingram R, Valvano MA and Tang JI, "Modulation of antibiotic sensitivity and biofilm formation in *Pseudomonas aeruginosa* by interspecies diffusible signal factor analogues" *bioRxiv* **2018**, 291260.
39. O'Reilly K, **Gupta MK**, Gandhi H, Kumar PV and O'Sullivan TP "Asymmetric peroxidation of α,β -unsaturated aldehydes under diarylprolinol ether catalysis" *Curr. Org. Chem.* **2017**, *21*, 2013-2016.
Impact factor – 2.18
38. Gandhi H, O'Reilly K, **Gupta, MK**, Horgan C, O'Leary EM and O'Sullivan TP "Advances in the synthesis of acyclic peroxides" *RSC Adv.* **2017**, *7*, 19506–19556.
Impact factor – 3.361
37. O'Reilly K, **Gupta MK**, Gandhi H, Kumar VP, Eccles KS, Lawrence SE and O'Sullivan TP "Cinchona-catalysed, enantioselective synthesis of β -peroxycarboxylic acids, β -peroxyesters and β -peroxyalcohols" *Curr. Org. Chem.* **2016**, *20*, 2633-2638.
Impact factor – 2.18
36. Li Z, **Gupta MK** and Snowden TS "One-carbon homologation of primary alcohols and the reductive homologation of aldehydes involving a Jovic-type reaction" *Eur. J. Org. Chem.* **2015**, 7009–7019.
Impact factor – 3.021
35. **Gupta MK**, Li Z and Snowden TS "Preparation of one-carbon homologated amides from aldehydes or primary alcohols" *Org. Lett.* **2014**, *16*, 1602-1605.
Impact factor - 6.005

34. Yadav JS, Yadav NN, **Gupta MK**, Srivastava N and Reddy BVS "GaCl₃-catalyzed activation of alkynyl glycosides for the synthesis of *O*-glycosides" *Monatsh Chem.* **2014**, *145*, 517–520.
Impact factor - 1.451
33. **Gupta MK** and O'Sullivan TP "Recent applications of gallium and gallium halides as reagents in organic synthesis" *RSC Adv.* **2013**, *3*, 25498–25522.
Impact factor – 3.361
32. Yadav JS, Reddy PKM, **Gupta MK** and Reddy BVS "A short and facile stereoselective total synthesis of cryptocarya diacetate" *Monatsh Chem.* **2013**, *144*, 1583–1587.
Impact factor - 1.451
31. **Gupta MK**, Li Z and Snowden TS "One-pot synthesis of trichloromethyl carbinols from primary alcohols" *J. Org. Chem.* **2012**, *77*, 4854-4860.
Impact factor - 4.354
30. Yadav JS and **Gupta MK** "Self-assembled lipid nanotubes, nanosheets and nanopipes" *Int. J. Phar. Sci Res.* **2012**, *3*, 4822-4826.
29. Yadav JS, **Gupta MK**, Jain R, Yadav NN and Reddy BVS "A practical synthesis of bis(indolyl)methanes employing boric acid" *Monatsh Chem.* **2010**, *141*, 1001-1004.
Impact factor – 1.451
28. Yadav JS, Reddy, BVS, Yadav NN and **Gupta MK** "Three-component coupling of isoquinoline, activated alkyne and nitromethane: a facile synthesis of nitromethyl derivatives of 1,2-dihydroisoquinolines" *Synthesis* **2009**, 1131-1136.
Impact factor – 3.157
27. Yadav JS, Reddy BVS, Yadav NN, **Gupta MK** and Sridhar B "Gold(III) chloride catalyzed three-component reaction: A facile synthesis of alkynyl derivatives of 1,2-dihydroquinolines and isoquinolines" *J. Org. Chem.* **2008**, *73*, 6857-6859.
Impact factor – 4.354
26. Yadav JS, Reddy BVS, Sengupta S, **Gupta MK**, Baishya G, Harshavardhana SJ and Dash U "Iodine as mild, efficient and cost-effective catalyst for the synthesis of thiiranes from oxiranes" *Monatsh Chem.* **2008**, *139*, 1363-1367.
Impact factor – 1.451
25. Yadav JS, Reddy BVS, Yadav NN and **Gupta MK** "Three-component coupling reactions of isoquinoline, dimethyl acetylenedicarboxylate and indoles: facile synthesis of 3-indolyl-1,2-dihydro-2-isoquinolinyl-2-butenedioate" *Tetrahedron Lett.* **2008**, *49*, 2815-2819.
Impact factor – 2.415
24. Yadav JS, Reddy BVS, Pandurangam T, Reddy YJ and **Gupta MK** "PMA/SiO₂ catalyzed amidation of alcohols with nitriles: A simple, cost-effective and recyclable catalytic system for Ritter reaction" *Cat. Commun.* **2008**, *9*, 1297-1301.
Impact factor – 3.626
23. Yadav JS, **Gupta MK**, Prathap I, Bhadra MP, Mohan K and Jagannadh B "Synthesis and cellular uptake of cell delivering 2,6-pyridinediylbiskanamide submicron-sheets in HeLa cells" *Chem. Commun.* **2007**, 3832-3834.
Impact factor – 6.222
22. Yadav JS, Reddy PMK, **Gupta MK** and Chary CJ "Stereoselective total synthesis of tarchonanthuslactone & formal synthesis of (-)-colleto" *Synthesis* **2007**, 3639-3646.

Impact factor – 3.157

21. Yadav JS, **Gupta MK** and Prathap I “Facile stereoselective synthesis of the C12-C24 fragment of macrolactin-A” *Synthesis* **2007**, 1343-1348.
Impact factor – 3.157
20. Yadav JS, Reddy BVS, **Gupta MK**, Dash U, Bhunia DC and Hossain SS “Mild and efficient coupling of diazo compounds with aza-aromatic systems under solvent-free conditions” *Synlett* **2007**, 2801-2804
Impact factor – 2.454
19. Yadav JS, Reddy BVS, Rao TS, Narender R and **Gupta MK**, “PMA/SiO₂ as efficient, cost-effective and recyclable catalytic system for the synthesis of highly substituted pyrroles” *J. Mol. Catal. A: Chemical* **2007**, 278, 42-46.
Impact factor – 3.958
18. Yadav JS, Reddy BVS, **Gupta MK**, Prathap I and Pandey SK “Amberlyst A-21[®]: an efficient, cost-effective and recyclable catalyst for the synthesis of substituted 4*H*-chromenes” *Cat. Commun.* **2007**, 8, 2207-2210.
Impact factor – 3.626
17. Yadav JS, Reddy BVS, **Gupta MK**, Prathap I and Dash U “Facile addition of ketones to activated isoquinolines using *N*-methyl-2-pyrrolidinone” *Synthesis* **2007**, 1077-1081.
Impact factor – 3.157
16. Yadav JS, Reddy BVS, **Gupta MK**, Dash U and Pandey SK “Gallium(III) chloride catalyzed stereoselective synthesis of *E*-configured α,β -unsaturated ketones” *Synlett* **2007**, 809-811.
Impact factor – 2.454
15. Yadav JS, Reddy BVS, **Gupta MK** and Pandey SK “Gallium(III) iodide-promoted stereoselective aldol coupling of α,β -acetylenic ketones” *J. Mol. Catal. A: Chemical* **2007**, 264, 309-312.
Impact factor – 3.958
14. Yadav JS, Reddy BVS, Reddy PMK, Dash U and **Gupta MK** “Indium(III) bromide catalyzed cleavage of cyclic and acyclic ethers: an efficient and practical ring opening reaction” *J. Mol. Catal. A: Chemical* **2007**, 271, 266-269
Impact factor – 3.958
13. Yadav JS, Reddy BVS, Reddy PMK and **Gupta MK** “Zn/[bmim]PF₆-mediated Markovnikov allylation of unactivated terminal alkynes” *Tetrahedron Lett.* **2005**, 46, 8411-8413.
Impact factor – 2.415
12. Yadav JS, Reddy BVS, Reddy PMK and **Gupta MK** “Mild and efficient method for the cleavage of cyclic and acyclic ethers by iodine under solvent-free conditions” *Tetrahedron Lett.* **2005**, 46, 8493-8495.
Impact factor – 2.415
11. Yadav JS, Reddy BVS, **Gupta MK** and Eeshwaraiah B “CeCl₃·7H₂O/Nal-promoted stereoselective Aldol coupling of α,β -acetylenic ketones” *Synthesis* **2005**, 57-60.
Impact factor – 3.157
10. Yadav JS, Reddy BVS, Baishya G, Harshavardhan SJ, Chary CJ and **Gupta MK** “Green approach for the conversion of olefins into *vic*-halohydrins using *N*-halosuccinimides in ionic liquids” *Tetrahedron Lett.* **2005**, 46, 3569-3572.
Impact factor – 2.415

9. Yadav JS, Reddy BVS, Eeshwaraiah B, **Gupta MK** and Biswas SK "Gallium(III) halide promoted synthesis of 1,3,5-triaryl-1,5-dihalo-1,4-pentadienes" *Tetrahedron Lett.* **2005**, *46*, 1161-1163.
Impact factor – 2.415
8. Yadav JS, **Gupta MK**, Pandey SK, Reddy BVS and Sarma AVS "Nucleophilic displacement by azide and cyanide on Baylis-Hillman acetates in water" *Tetrahedron Lett.* **2005**, *46*, 2761-2763.
Impact factor – 2.415
7. **Gupta MK** "Copper(II) trifluoromethanesulfonate" *Synlett*, **2005**, 1044-1045
Impact factor – 2.454
6. Ansari IA, Joyasawal S, **Gupta MK**, Yadav JS and Gree R "Wacker oxidation of terminal olefins in a mixture of [bmim][BF₄] and water" *Tetrahedron Lett.* **2005**, *46*, 7507-7510.
Impact factor – 2.415
5. Yadav JS, Reddy BVS, **Gupta MK** and Biswas SK "Rapid and efficient protocol for the synthesis of 4-halotetrahydropyrans using niobium(V) chloride and gallium(III) halides" *Synthesis* **2004**, 2711-2715.
Impact factor – 3.157
4. Yadav JS, Reddy BVS, Eeshwaraiah B and **Gupta MK** "Bi(OTf)₃/[bmim]BF₄ as novel and reusable catalytic system for the synthesis of furan, pyrrole and thiophene derivatives" *Tetrahedron Lett.* **2004**, *45*, 5873-5876.
Impact factor – 2.415
3. Yadav JS, Reddy BVS and **Gupta MK** "Ferric(III) chloride promoted efficient thiocyanation of arylalkenes: a facile synthesis of dithiocyanates" *Synthesis* **2004**, 1983-1986.
Impact factor – 3.157
2. Yadav JS, Reddy BVS, Padmavani B and **Gupta MK** "Gallium(III) halide catalyzed coupling of indoles with phenylacetylene: synthesis of bis(indolyl)phenylethanes" *Tetrahedron Lett.* **2004**, *45*, 7577-7579.
Impact factor – 2.415
1. Yadav JS, Reddy BVS, **Gupta MK**, Prabhakar A and Jagadeesh B "First example of ring expansion of activated quinolines and isoquinolines: novel benzoazepines" *Chem. Commun.* **2004**, 2124-2125.
Impact factor – 6.222

Conference Publications

3. Eqvinshi, Kumar A, **Gupta MK** "Exploiting the *gem*-Dichloroepoxide Intermediate Towards the Synthesis of New Medicinal Compounds and Natural Products Construction" 7th International Conference on Current Trends in Drug Discovery Research (CTDDR) at CSIR-CDRI, Lucknow, India, **2019**.
2. O'Reilly K, **Gupta MK** and O'Sullivan TP "Enantioselective Peroxidation of Unsaturated Aldehydes – A New Route to Plakortide P" 65th Irish Universities Chemistry Research Colloquium Dublin, Ireland in **2013**.
1. O'Reilly K, **Gupta MK** and O'Sullivan TP "Organocatalytic enantioselective peroxidation of unsaturated aldehydes - a new route to bioactive cycloperoxides" *North West Organic Chemistry Symposium* Liverpool, U.K in **2012**.

FUNDED PROJECT (EXTERNAL)

1. UGC-FRPS Start-up Research Grant funded by University Grants Commission, New Delhi, Amount ₹ 10,00,000/- (2017-2019)
2. Fast Track Young Scientist Startup Research Grant funded by Science & Engineering Research Board (SERB), New Delhi, Amount ₹ 29,87,333/- (2014-2016)

NATIONAL SEMINAR/WORKSHOP ORGANIZED

- National seminar on “Recent Trends in Eco-friendly Chemistry – 2016” held on 29th September 2016 at CUH
Role - Organizing Secretary
- National Workshop on **Intellectual Property Rights: Awareness and Implementation** held on 25th January 2019 at CUH
Role – Joint Organizing Secretary
- National Workshop (Online) on Hands on **Training on RT-PCR Testing Kit and Sanitizers** held on 29th May 2021
Role – Organizing Secretary

TEACHING AND LEARNING COURSES

- Participated in Two-week Inter-Disciplinary Refresher course in Advanced Research Methodology from 20-08-2021 to 03-09-2021 organized by Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with Eastern Karbi Anglong College Sarihajan, Karbi Anglong, Assam.
- Completed and passed Online Refresher Course in Chemistry for Higher Education Faculty through Annual Refresher Programme in Teaching (ARPIT) - March 2019.
- Participated in Short Term Course in Research Methodology from January 19 – 25, 2019 at HRDC, Lucknow University.
- Participated in Orientation Programme organized from August 23 - September 19, 2017 at HRDC, DDU Gorakhpur University.
- Teaching and Learning for Researchers 2012-2013 (Facilitators: Dr Bettie Higgs and Dr Marian McCarthy, and invited contributors, Ionad Bairre, The Teaching and Learning Centre, University College Cork, Ireland).

INVITED TALKS

- Centre of Biomedical Research, SGPGI MS Campus, Lucknow, Uttar Pradesh, July 5, 2016
Title - New Strategy for One-Carbon Homologation Functionalization Reactions

Delivered lectures in symposia

- Dr. K.V. Rao Scientific Society at B. M. Birla Science Centre, Hyderabad, 2008.
Title - Synthesis, self-assembly and cellular uptake studies of bioactive molecules.
- Second Junior National Organic Symposium Trust (J-NOST) at International College for Girls, Jaipur, India, 2006.
Title - Towards the total synthesis of macrolactin-A and development of one pot syntheses.

Poster presented in symposia

- Joint International Conference on Advances in Organic Synthesis and Chemical Biology, IICT Hyderabad, 2006.
Title: Exploring the application of activated quinolines and isoquinolines: L-proline catalyzed asymmetric addition reaction of activated isoquinolines with ketones.
- 2nd International Conference on Organic Synthesis and Process Chemistry, IICT Hyderabad, 2005.
Title- First Example of ring expansion of activated quinolines and isoquinolines: novel benzoazepines.

CORPORATE ACTIVITIES

- Member, Board of Studies of Chemistry
 - Member, School Board, School of Basic Sciences
 - Member, Departmental Research Committee
 - Member, Research Advisory Committees
 - Member, Central Instrumentation Centre, CUH
 - Member, Eco-Club of CUH
 - Member, Publishing Annual Report of CUH
-