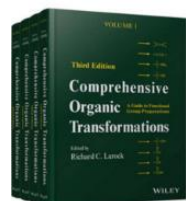


SHORT CV

<p>Akhilesh K. Verma, Ph.D (Professor, Organic Chemistry) Room No 115, Block B Department of Chemistry, University of Delhi, Delhi-110007, India. Chairman, Governing Body, Ramjas College, DU Tel.: 91-11-27666646 (Ext.175), 09717831262 E-mail: averma@acbr.du.ac.in, akhilesh682000@gmail.com Web page: www.akvresearch.com</p>		
Qualifications:	Ph.D. (Chemistry) from the Dept. of Chemistry (2000), University of Delhi, India	
Academic career	<p>Professor: 29th March 2013-Till date Department of Chemistry, University of Delhi, Delhi, India</p> <p>Professor: 21st January 2015-18th November 2015 (on Lien from DU) School of Physical Sciences, Jawaharlal Nehru University, Delhi, India</p> <p>Associate Professor: 29th March 2010-28th March 2013 Department of Chemistry, University of Delhi, Delhi, India</p> <p>Reader (Associate Professor): 23rd Jan 2009-29th March 2010 Department of Chemistry, University of Delhi, Delhi, India</p> <p>Lecturer (Assistant Professor): Feb 1998-Jan 2009 Dr. B. R. Ambedkar Center for Biomedical Research, Univ. of Delhi,</p>	
Post Research	<p>Doc. June 28th 2007-31st August 2008: Iowa State University, Ames, IA, USA, with Prof. Richard. C. Larock (14 months)</p> <p>Jan. 2001-Dec 2002: University of Florida, Gainesville, USA, with Prof. Alan R. Katritzky (Two Year)</p>	
Research area	<ul style="list-style-type: none"> ➤ Superbase Promoted/catalyzed Organic Transformation: <ul style="list-style-type: none"> i. Chemoselective hydroamination/hydrothiolation and hydroxylation of alkynes. ii Synthesis of small organic molecules from alkynes. ➤ Transition-Metal Catalyzed Organic Transformation: Activation/functionalization of C-H bond, triple and double C-H activation. ➤ Application of Mass-Spectrometry: Capturing fleeting reaction intermediates and identification of reaction path using online mass-spectrometry ➤ Medicinal Chemistry: i. Design and development of pharmaceutically important small molecules. ii. Construction of deuterated molecules. 	
Country Visited	USA, UK, Germany, France, Japan, Mexico, Cuba, Spain, Austria, Australia, UAE	
Academics:	Contributed to School of Physical Sciences (SPS), JNU for the start of M.Sc. in Chemistry and drafting of the syllabus during his short stay at SPS, JNU as Professor. While serving as Chairman of Ramjas College, University of Delhi, gave valuable inputs for setting up rank and acquired a national status in the field of education and research in India.	
Research Funding:	In the last ten years group has successfully completed more than 12 EMR funder projects from various agencies (DST, SERB, DRDO, CSIR, DST-PURSE, UGC) worth of Rs. > 3.5 Crore and also having bilateral exchange projects with Regensburg, Germany and CINVISTAV, Mexico.	
Teaching Exp.	> 22 Years	
Research Exp.	> 20 Years	
Ph.D. Guided	Twenty-eight (28)	

Publications	> 124 [Includes: Acc. Chem. Res. (01, IF: ~22); Angew. Chem. (01, IF: 12.95); Org. Lett. (10, IF: 6.09); J. Org. Chem. (24, IF: 4.33); Chem. Commun. (07, IF: 6.12)] Green. Chem. (04, IF: 9.58); Chem. Eu. J (03, IF: ~5.16); OBC (12; IF:3.4); EJOC (06; IF:3.02); TL/Tetra (09/03; IF: 2.27/2.64) Note: All are as a corresponding author
Last 5 Year pub.	> fifty (50)
Ave. I.F. of papers	> 4.24, h index 36, citation > 4000
Recent Lectures	80 (International Lectures in abroad: 14); National: 66
Selected honors /awards/ distinctions	<p>2020: "Dr. APJ Abdul Kalam National Dedication Award 2020" in the field of Science and Technology</p> <p>2017: UGC Mid-Career Award (Grant of Rs 10.0 Lakhs)</p> <p>2017: Editor Journal of Indian Chemical Society (Organic Section)</p> <p>2015: Member Expert Committee of Chem. Sci. (YS) SERB, DST. (2015-18)</p> <p>2014: Scientist-In-charge of Indian Chemical Society (Organic Chemistry and Biochemistry Section) for the year 2014-2016</p> <p>2014: Senior INSA visiting fellowship for the year 2014, to visit Germany.</p> <p>2012: Indian Chemical Society Award (Prof. A. S. R. Anjaneyulu 60th Birthday Commemoration Award)</p> <p>2011: Member Indian Delegation Team for Indo-Mexican Joint Cooperation in Science and Technology Committee</p> <p>2011: Member Indian Delegation Team for India-Cuba Joint Cooperation in Science and Technology Committee</p> <p>2009: Invited by Editor of Wiley-Blackwell for the Co-author ship for editing the 3rd Revision of Comprehensive Organic Transformation.</p> <p>2007: Awarded BOYSCAST Fellowship (2007-2008); Iowa State University of Science and Technology, Ames, Iowa, USA for the advance research (Mentor: Prof. R. C. Larock)</p> <p>2002: Awarded Postdoctoral Research Associate: Jan. 2002-December 2002, University of Florida, Gainesville, USA, (Mentor: Prof. Alan R. Katritzky)</p> <p>2001: Awarded Postdoctoral Fellowship: Jan. 2001-December 2001, University of Florida, Gainesville, FL, USA (Mentor: Prof. Alan R. Katritzky)</p> <p>2013: NOST Best Thesis Award: Trapti Aggarwal (1st Prize of 1500 USD)</p> <p>Note: First student from Delhi University</p> <p>Lindau Nobel Laureate participation: Trapti Aggarwal and Monika Patel has represented our country in prestigious Lindau Nobel Laureate meeting at Lindau, Germany for the Year 2014 and 2017 (First from Delhi University)</p> <p>2017 NOST Best Thesis Award: Dr. Rakesh K. Saunthwal</p> <p>2018 NOST Best Thesis Award: Dr. Monika Patel</p> <p>2019 NOST Best Thesis Award: Dr. Pawan Mishra</p> <p>2019 Marie-Curie Fellowship: Dr. Rakesh K. Saunthwal</p> <p>2019 NOST Best Thesis Award: Kapil Mohan Saini</p>
Significant Achievement by Ph.D. students	
Reference Book	<p>Comprehensive: Organic Transformations: A Guide to Functional Group Preparations, Hardback, Edited by Richard C. Larock,</p> <p>Authors: Akhilesh K. Verma (India), Anton V. Dubrovskiy (Russai), Tanay Kesharwani (USA), Nataliya A. Markina (Russai), Alexandre A. Pletnev, Cristiano Raminelli, Tuanli Yao Gilson Zeni, Li Zhang Author Xiaoxian Zhang, ISBN-139780470927953, Publishers: John Wiley and Sons Ltd, Wiley-Blackwell Publication date 2 Mar 2018, 3rd Edition. (Cost: 864\$; Rs. 54000/-)</p>



Selected Publications

S.No.	Publication Details	Imp. Factor
1	<i>Org. Lett.</i> 2020 , 22, (DOI: 10.1021/acs.orglett.0c04084)	6.09
1	<i>Org. Lett.</i> 2020 , 22, 4620–4626	6.09
1	<i>J. Org. Chem.</i> 2020 , 85, 13983–13996	4.33
2	<i>Chem. Commun.</i> , 2020 , 56, 6122–6125	6.12
3	<i>Org. Lett.</i> , 2020 , 22, 130–134	6.09
4	<i>Chem. Eur. J.</i> 2020 , 26, 1017–1021	5.20
5	<i>Chem. Eur. J.</i> 2019 , 25, 16063–16067	5.20
6	<i>Chem. Commun.</i> 2019 , 55, 12168–12171	6.12
7	<i>Chem. Commun.</i> 2019 , 55, 10721–10724	6.12
8	<i>Chem. Commun.</i> 2019 , 55, 9359–9362	6.12
9	<i>Chem. Commun.</i> 2019 , 55, 8278–8281	6.12
10	<i>Org. Lett.</i> , 2019 , 21, 5059–5063	6.09
11	<i>J. Org. Chem.</i> , 2019 , 84, 128067–8079	4.33
12	<i>J. Org. Chem.</i> , 2019 , 84, 2689–26987	4.33
13	<i>Org. Lett.</i> , 2018 , 20, 7182–7185	6.09
14	<i>J. Org. Chem.</i> 2018 , 83, 11686–11702	4.33
15	<i>J. Org. Chem.</i> 2018 , 83, 6650–6663	4.33
16	<i>J. Org. Chem.</i> 2018 , 83, 3339–3347	4.33
17	<i>Acc. Chem. Res.</i> 2017 , 50 (2), pp 240–254	22.0
18	<i>J. Org. Chem.</i> 2017 , 82, 10247–10262	4.33
19	<i>J. Org. Chem.</i> 2017 , 82, 6388–6397	4.33
20	<i>J. Org. Chem.</i> 2016 , 81, 9912–9923	4.33
21	<i>J. Org. Chem.</i> 2016 , 81, 9356–9371	4.33
22	<i>Green Chem.</i> , 2016 , 18, 6367–6372	9.95
23	<i>Chem. Asian J.</i> 2016 , 11, 3001–3007	4.62
24	<i>J. Org. Chem.</i> 2016 , 81, 6563–6572	4.33
25	<i>Org. Lett.</i> 2016 , 18, 2200–2203	6.09
26	<i>Chem. Eur. J.</i> 2015 , 21, 18601–18605	5.20
27	<i>J. Org. Chem.</i> 2015 , 80, 10548–10560	4.33
28	<i>Org. Lett.</i> 2015 , 17, 3658–3661 (Most read article)	6.09
29	<i>Green Chemistry</i> 2015 , 17, 1434–1441	9.95
30	<i>Chem. Commun.</i> 2014 , 50, 8526–8528	6.09
31	<i>J. Org. Chem.</i> 2014 , 78, 6657–6669	4.33
32	<i>J. Org. Chem.</i> 2013 , 78, 6657–6669	4.33
33	<i>J. Org. Chem.</i> 2013 , 78, 5372–5384	4.33
34	<i>J. Org. Chem.</i> 2013 , 78, 4386–4401	4.33
35	<i>Adv. Syn. Cat.</i> 2013 , 355, 421–438	5.90
36	<i>J. Org. Chem.</i> 2012 , 77, 10382–10392	4.33
37	<i>Org. Lett.</i> 2012 , 14, 5184–5187.	6.09
38	<i>J. Org. Chem.</i> 2012 , 77, 8562–8573	4.33
39	<i>J. Org. Chem.</i> 2012 , 77, 8191–8205	4.33
40	<i>J. Org. Chem.</i> 2012 , 77, 5633–5645	4.33
41	<i>Org. Lett.</i> 2012 , 14, 1106–1109.	6.09
42	<i>Org. Lett.</i> 2011 , 13, 1630–1633	6.09
43	<i>J. Org. Chem.</i> 2011 , 76, 5670–5684	4.33
44	<i>Green Chem.</i> 2011 , 13, 1640–1643	9.95
45	<i>Chem. Commun.</i> 2010 , 46, 4064–4066	6.12
46	<i>J. Org. Chem.</i> 2010 , 75, 7691–7703	4.33
47	<i>Angew. Chem. Int. Ed.</i> 2009 , 48, 1138–1143	12.90

Five Most Cited Selected Papers		Citations
1	<i>Angew. Chem Int. Ed.</i> 2009 , 48, 1138-1143	194
2	<i>Tetrahedron Letters</i> , 2007 , 48, 4207-4210	146
3	<i>Tetrahedron Letters</i> , 2007 , 48, 7199-7202	113
4	<i>J. Org. Chem.</i> 2010 , 75, 7691-7703	91
5	<i>Org. Lett.</i> 2011 , 13, 1630-1633	73

Administration/Services to the University:

1. Chairman Governing Body, Ramjas College, Univ. of Delhi (March 2019-Till Date)
2. Member selection Committee, IIT Jodhpur for the selection of Assistant and Associate Professor
3. Member selection Committee, SPS, JNU for the selection of Assistant/Associate/ Professors
4. Member selection Committee for the selection of Principal (KMC and Ramjas College).
5. Member Screening Committee for the post of Principal (Gargi/KNC/SSN College).
6. Expert member of various selection committees for the selection of Assistant/Associate professors in University Colleges.
7. Expert member of various selection committees for the selection of Assistant/Associate professors/Scientists in Central/State University/CSIR/NIPER and other academic Institutions.
8. Since year 2016 I am looking after the grievances of Delhi University admissions (UG/PG/Ph.D.) and M.Sc. and Ph.D. admissions.
9. Helping the University as a member of various committees (Selection/Screening etc).
10. NAAC coordinator, Department of Chemistry, University of Delhi.
11. Admission in-charge M.Sc. and Ph.D. admissions Department of Chemistry.
12. Looking after placement of master's students, Department of Chemistry.
13. Seminar in-charge, Department of Chemistry

Patents /Technology Transferred

We have discovered a novel, metal-free and cost-effective method for the deuteration of N, O and S-heterocycles/carbocycles. He has successfully synthesized Toluene- α, α, α -d₃ (NMR solvent), Aspirin-d₄ and Paracetamol-d₅ in gram scale using developed chemistry. We have been granted a patent entitled **"NOVEL HIGH YIELDING, ECONOMICAL, ECO-FRIENDLY AND SELECTIVE METHOD FOR THE PREPARATION OF DEUTERATED ALKYL ARENES"** for the selective deuteration of toluene (Toluene- α, α, α -d₃) and arenes.

Patent no: E-101/20744/2017-DEL (Application no: 201711013462)

The salient features of invention are:

1. Developed basic protocol applicable for the deuteration of toluene-d₃ and its derivatives selectively.
 1. Metal, ligand and additive free process for isotopic exchange of selective methyl proton.
 2. Selectivity towards the methyl hydrogen and aromatic hydrogen.
 3. Reduced toxicity
 4. More than 15-fold decline in the cost:

<p>Name of the firm: Santa Cruz Biotechnology</p> <p>Product Name: Toluene- α, α, α-d₃</p> <p>Catalog no.: sc-229471</p> <p>Price: \$440.00 for 5g</p>	<p>Name of the firm: Sigma Aldrich</p> <p>Product Name: Toluene- α, α, α-d₃</p> <p>Catalog no.: 487074 ALDRICH</p> <p>Price: \$492.50 for 5g</p>
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