

Curricuram Vatie



1. Name of the Applicant : Dr. Vivek Tukaramji Humne
2. Post : Assistant Professor in Chemistry
3. Department : Chemistry
4. Date of Joining : 25th Sept 2019
5. Father`s Name : Shri. T. S. Humne
6. Gender : Male
7. Maritus Status : Married
8. Caste : SC
9. Religion : Hindu
10. Educational Qualification :

S.No	Exam Passes	Year of Passing	Board/University	Percentage	Subject
1	Ph.D	2015	Savitribai Phule Pune University	Awarded	Chemistry
2	M.Sc	2002	Amravati Univ.	60.00 %	Organic, Spectroscopy, Natural product chemistry
3	B.Sc	2000	Amravati Univ.	62.00 %	Chem, Phy, Math
4	H.S.C	1997	Amravati Divisional Board	52.86 %	Math, Chem, Phy, Bio, Eng, Marathi

Ph.D from Department of Chemistry, University of Pune, India of entitled “*Synthesis of Glycozoline, Clausenol, Murrayafoline A, Murrayaquinone A as Bioactive carbazoles and iodine catalyzed aromatization of Dihydrobenzo[a]carbazoles and Dihydropyridazin-3-ones*”

11. Research experience : (a) Working as Associate Research Scientist-II in SaiLife Science Ltd from Feb 2018 to 3rd Sept 2019.
- (b) Worked as Post-doctoral fellow in CSIR-National Chemical Laboratory from Sept 2016 to Jan 2018.
- (c) Worked as Post-doctoral fellow in Uppsala University from Jan 2016 to July 2016.
- (d) Worked as Senior Project Fellow in CSIR-National

Chemical Laboratory from Jan 2015 to Jan 2016.

12. Teaching experience : Worked as Assistant Professor in Vidyabharati College, Amravati, India from Sept 2004 to July 2008.
At undergraduate: 4 yrs
At postgraduate: 4 yrs
13. Awards and Merits: : (a) Qualified CSIR-NET (JRF) in 2007.
(b) Qualified CSIR-NET (LS) in 2004.
(c) Qualified SET in 2004.
(d) Awarded best poster presentation in national seminar on “Novel synthetic and computational strategies in chemical sciences” at Department of Chemistry, Annamalai University (India) in 2011.
14. Publications : 16 (List of publications attached separate)
15. Books : 00
16. Member : (a) Member of Amravati University Chemistry Teachers Association (AUTCA) S. No. 144
(b) Member of The Indian Science Congress Association, Kolkata
17. Relevant scientific techniques: Hand on CHEMDRAW, ISSI, ACD, MestReNova and skills acquired Orgin 6.0 (Software related to chemistry)
18. E-mail id : vivekhumne2013@gmail.com
19. Phone No. : 9307449233 and 9823572896

Dr. VIVEK T. HUMNE

Publications

(1) “A one-pot direct regioselective iodination of Fischer-Borsche product using periodic acid in PEG-400”

Monica H. Ghom, Mahavir S. Naykode, Vivek T. Humne, P. D. Lokhande, *Tetrahedron Lett.* **2019**, 60, 1029–1031. (Impact Factor: 2.37)
<https://www.sciencedirect.com/science/article/pii/S0040403919302308>

(2) “Transition-Metal-Free Regioselective One-Pot Synthesis of Aryl Sulfones from Sodium Sulfinates via Quinone Imine Ketal”

Priyanka Halder, Vivek Humne, Santosh Mhaske, *J. Org. Chem.* **2019**, 84 (3), 1372-1378. (Impact Factor: 4.80)
<https://pubs.acs.org/doi/abs/10.1021/acs.joc.8b02835?journalCode=jocah&quickLinkVolume=84&quickLinkPage=1372&selectedTab=citation&volume=84>

(3) “Achmatowicz Reaction: A Versatile Tool in Bioactive Natural Products Synthesis”

Pankaj S. Mahajan, Vivek T. Humne, Santosh B. Mhaske, *Current Organic Chemistry*, **2017**, 21 (43) 503-545. (Impact Factor: 2.15)
<https://www.ingentaconnect.com/contentone/ben/coc/2017/00000021/00000006/art00005%3bjsessionid=3mi9sg0nd41vi.x-ic-live-03>

(4) “The radical Beckmann rearrangement and its application in the formal total synthesis of antimalarial natural product Isocryptolepine via C-H Activation”

Pankaj S. Mahajan, Vivek T. Humne, Subhash D. Tanpure, Santosh B. Mhaske, *Organic Lett.* **2016**, 14, 3450. (Impact Factor: 6.49)
<https://pubs.acs.org/doi/10.1021/acs.orglett.6b01634>

(5) “Total synthesis of diverse oxygenated carbazoles by modified aromatization using molecular iodine”

Vivek T. Humne, Mahavir S. Naykode, Monica H. Ghom, Pradeep D. Lokhande, *Tetrahedron Lett.* **2016**, 57, 688. (Impact Factor: 2.37)
<https://www.sciencedirect.com/science/article/pii/S0040403916300028>

(6) “A one-pot direct iodination of Fischer-Borsche ring using molecular iodine and its utility in the synthesis of 6-oxygenated carbazole alkaloids”

Mahavir S. Naykode, Vivek T. Humne, Pradeep D. Lokhande, *J. Org. Chem.* **2015**, 80, 2392. (Impact Factor: 4.80)
<https://pubs.acs.org/doi/10.1021/jo5025128>

(7) “Biotransformation of Nitro Aromatic Compounds by Flavin-Free NADH Azoreductase”

Santosh A. Misal, Vivek T. Humne, Pradeep D. Lokhande, Kachru R. Gawai, *J. Bioremed Biodeg.* **2015**, 6, 272. (Impact Factor: 2.01)

<https://www.omicsonline.org/open-access/biotransformation-of-nitro-aromatic-compounds-by-flavinfree-nadhazoreductase-2155-6199.1000272.php?aid=40765>

(8) “Iodine-catalyzed aromatization of tetrahydrocarbazoles and its utility in total synthesis of Glycozoline and Murrayafoline A”

Vivek T. Humne, Pradeep D. Lokhande, *Org. Biomol. Chem.* **2014**, 12, 4832. (Impact Factor: 3.56)

<https://pubs.rsc.org/en/content/articlelanding/2014/ob/c4ob00635f#!divAbstract>

(9) “A metal-free protocol for direct oxidative de-alkoxycarbonylation of alkyl phenyl acetate by molecular iodine”

Vivek T. Humne, Pradeep D. Lokhande, *Tetrahedron Lett.* **2014**, 55, 2337. (Impact Factor: 2.37)

<https://www.sciencedirect.com/science/article/pii/S0040403914002913>

(10) “An efficient cleavage of allyl ethers in the synthesis of substituted flavones by molecular iodine in PEG-400 as ecofriendly solvent”

Vivek T. Humne, Pradeep D. Lokhande, *Synth. Comm.* **2014**, 44, 929. (Impact Factor: 1.06)

<https://www.tandfonline.com/doi/full/10.1080/00397911.2013.837489>

(11) “Copper (II) Chloride - A regioselective catalyst for oxidative aromatization of pyrazoline, isoxazoline and 3-methyl flavanones”

Pradeep D. Lokhande, Bhakti A. Dhalvi, Vivek T. Humne, Beena R. Navghare, Abdul Kareem, *Indian J. Chem.*, **2014**, Vol 53B, 1091. (Impact Factor: 0.35)

<http://nopr.niscair.res.in/bitstream/123456789/29263/1/IJC%2053B%288%29%201091-1097.pdf>

(12) “Selective O-deallylation of dihydropyrazoles by molecular iodine in the presence of active N-allyl and formyl groups”

Vivek T. Humne, Kamal Hasanzadeh, Pradeep D. Lokhande *Res. Chem. Intermed.* **2013**, 39, 585. (Impact Factor: 1.36)

<https://link.springer.com/article/10.1007/s11164-012-0581-2>

(13) “Rapid and selective deallylation of allyl ethers and esters using iodine in polyethylene glycol-400”

Shankaraiah G. Konda, Vivek T. Humne, Pradeep D. Lokhande, *Green Chem.* **2011**, 13(9), 2354. (Impact Factor: 9.12)

<https://pubs.rsc.org/en/content/articlelanding/2011/GC/C1GC15153C#!divAbstract>

(14) “Iodine-mediated facile dehydrogenation of dihydropyridazine-3(2H)one”

Vivek T. Humne, Shankaraiah G Konda, Kamal Hasanzadeh, Pradeep D. Lokhande, *Chinese Chem. Lett.* **2011**, 22(12), 1435. (Impact Factor: 1.58)

<https://www.sciencedirect.com/science/article/pii/S100184171100235X>

(15) “Facile Aromatization Of 3,4-Dihydropyrimidin-2(1H)-Ones (DHPMs) By Iodine”

Manisha Kodape, A. S. Aswar, Nandkishor Gawhale, Vivek T. Humne, Bilal Ahmad Mir, *Chinese Chemical Lett.* **2012**, 23, 1339. (Impact Factor: 1.58)

<https://www.sciencedirect.com/science/article/pii/S1001841712003385>

(16) “Synthesis of some new condensation product of 1-hydroxy-9H-xanthen-9-one”

V. H. Masand, K. N. Patil, V. T. Humne, Nasir Baig, *Indian J. Hetero. Chem.* **2008**, 17(4), 375.

<https://www.tib.eu/en/search/id/olc%3A1805005200/Synthesis-of-some-new-condensation-products-of/>