

Vidya Bharati Mahavidyalaya, Camp, Amravati

Department of Chemistry

FACULTY PROFILE

- 1.Name of Teacher: **Dr. Vijay H. Masand**
2.Designation: **Professor**
3.Educational Qualifications: **M.Sc., B.Ed., SET, Ph.D.**
4.Date of Appointment: **01/08/2005**
5.Experience in Years: **20 Years**
6.Corresponding Address, Email and Contact no.: **A-101, Platinum Empire Building, New Cotton Market Road, Amravati, Maharashtra-444 603**
e-mail: **vijaymasand@gmail.com**
Contact no.: **9403312628**
7.Area of Research Interest: **Organic Synthesis and Computer Aided Drug Design**
8.Research Experience: **16 Years**
9.Research Projects Completed/ Ongoing:

S. No.	Name of Research Project	Name of Funding Agency	Fund Sanctioned	Duration
1	Co-Investigator for "Study of acoustical and transport properties of some carbohydrates with biochemic inorganic tissue salts in aqueous solutions"	UGC, New Delhi	Rs. 1,60,000/-	24/2/2012 to 24/2/2014

10. Number of students for Ph.D. degree:

S. No.	Name of Student	Title of the Thesis	University	Status (Awarded/ Working/ Enrolled)	Notification No.
1.	Dr. Nilesh Kadu	Preparation, Spectral Characterization And Biological Evaluation Of Some Substituted 1,3,4-Thiadiazole Derivatives	SGBAU, Amravati	Awarded	SGBAU/Ph.D./Chem./1383/2022

2.	Mr. Rahul Rahate	Designing, Synthesis, Spectral Characterization And Pharmacological Evaluation Of Some Derivatives Of 1,3,4-Thiadiazole Scaffold	SGBAU, Amravati	Working	SGBAU/Ph.D./Chem./1382/2022
3.	Mr. Rajkumar Bethekar	Synthesis, Characterization And Biological Evaluation Of Some Novel Derivatives Of 1,3,4-Thiadiazole And 1,3,4-Oxadiazole	SGBAU, Amravati	Working	SGBAU/Ph.D./Chem./2466/2023
4.	Mr. Nityanand Dahake	Design, Synthesis, Spectral Characterization And Biological Assessment Of Novel, Heterocyclic Compounds	SGBAU, Amravati	Working	SGBAU/Ph.D./Chem./2467/2023
5.	Ms. Dipali Madavi	--	SGBAU, Amravati	Enrolled	--

11. Worked as a referee for doctoral thesis:

S. No.	Name of Student	Title of the Thesis	University
1	Dr. Amol Shirsat	Synthesis And Antimicrobial Screening Of Some Heterocyclic Compounds Containing Pyrazole Moiety	B.A.M.U., Auranagabad

12. Publications:

A. In Journals: Total-125, h-index-28, i-10 index-65 (as per Google Scholar)

S.N	Author(s)	Title	Name of Journal	Volu	Page	Ye
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1.	Jawarkar RD, Sharma P, Jain S, Shah U, Zaki MEA, Al-Hussain SA, Mali S, Lai C-H, Masand VH, Humne VT:	Synthesis, in silico studies and in vitro cytotoxicity evaluation of novel posaconazole derivative as a alk tk inhibitor.	Journal of Taibah University for Science) DOI: 10.1080/16583655.2024.2336674.	18(1)		20 24
2.	Masand VH, Al-Hussain SA, Alzahrani AY, Al-Mutairi AA, Hussien RA, Samad A, Zaki MEA:	Estrogen receptor alpha binders for hormone-dependent forms of breast cancer: E-qsar and molecular docking supported by x-ray resolved structures.	ACS Omega (). DOI: 10.1021/acsomega.4c00906.	9(14)	1675 9- 1677 4	20 24
3.	Jawarkar RD, Zaki MEA, Al-Hussain SA, Al-Mutairi AA, Samad A, Masand V, Humane V, Mali S, Alzahrani AYA, Rashid S, Elossaily GM:	Mechanistic qsar modeling derived virtual screening, drug repurposing, admet and in vitro evaluation to identify anticancer lead as lysine-specific demethylase 5a inhibitor.	Journal of Biomolecular Structure and Dynamics DOI: 10.1080/07391102.2024.2319104.		1-31	20 24
4.	Ghosh A, Zaki MEA, Al-Hussain SA, Al-Mutairi AA, Samad A, Masand VH, Ingle RG, Rathod VD, Gaikwad NM, Rashid S, Khatale PN et al:	Application of in-silico drug discovery techniques to discover a novel hit for target-specific inhibition of sars-cov-2 mpro's revealed allosteric binding with mao-b receptor: A theoretical study to find a cure for post-covid neurological disorder.	Plos One DOI:10.1371/journal.pone.0286848.	19(1)	1932- 6203.	20 24
5.	Gawali R, Bhosale R, Nagesh N, Masand VH, Jadhav S, Zaki	Design, synthesis, docking studies and biological screening of 2-pyrimidinyl-2, 3-dihydro-1	Journal of Biomolecular Structure and Dynamics DOI:10.1080/07391102.2023.2266766.	--	1-18	20 23

	MEA, Al-Hussain SA:	h -naphtho [1, 2- e][1, 3] oxazines as potent tubulin polymerization inhibitors.				
6.	Masand VH, Al-Hussain S, Alzahrani AY, El-Sayed NNE, Yeo CI, Tan YS, Zaki MEA	Leveraging nitrogen occurrence in approved drugs to identify structural patterns.	Expert Opinion on Drug Discovery DOI: 10.1080/17460441.2023.2 266990.	19(1) :	111- 124.	20 23
7.	Shah S, Chaple D, Masand VH, Zaki MEA, Al- Hussain SA, Shah A, Arora S, Jawarkar R, Tauqeer M	: In silico study to recognize novel angiotensin- converting-enzyme-i inhibitors by 2d-qsar and constraint-based molecular simulations.	Journal of Biomolecular Structure and Dynamics DOI: 10.1080/07391102.2023.2 203261.	42(5) :	2211- 2230.	20 23
8.	El-Sayed NNE, Al-Otaibi TM, Barakat A, Almarhoon ZM, Hassan MZ, Al- Zaben MI, Krayem N, Masand VH, Ben Bacha A:	Synthesis and biological evaluation of some new 3-aryl- 2-thioxo-2,3- dihydroquinazolin- 4(1h)-ones and 3- aryl-2- (benzylthio)quinazoli n-4(3h)-ones as antioxidants; cox-2, ldha, α -glucosidase and α -amylase inhibitors; and anti- colon carcinoma and apoptosis-inducing agents.	Pharmaceuticals DOI:10.3390/ph16101392.	16(1 0).	1424- 8247.	20 23
9.	Rahul D. Jawarkar, Magdi E. A. Zaki, Sami A. Al-Hussain, Aamal A. Al- Mutairi, Abdul Samad, Nobendu Mukerjee, Arabinda Ghosh, Vijay H.	QSAR modeling approaches to identify a novel ACE2 inhibitor that selectively bind with the C and N terminals of the ectodomain	Journal of Biomolecular Structure and Dynamics DOI: 10.1080/07391102.2023.2 205948			20 23

	Masand, Long Chiau Ming & Summya Rashid					
10.	Eslam Pourbasheer, Leila Malekpour, Zhila Azari, Vijay H. Masand & Mohammad Reza Ganjali	Magnetic solid phase extraction of Sunitinib malate in urine samples assisted with mixed hemimicelle and spectrophotometric detection	Nature Scientific Reports	13	3361	20 23
11.	Vaishali M. Patil, Neeraj Masand, Saroj Verma, Vijay Masand	Chromones: Privileged scaffold in anticancer drug discovery	Chem Biol Drug Des.	98(5)	943-953	20 21
12.	Vijay H. Masand , Sami A. Al-Hussain, Mithilesh M. Rathore, Sumer D. Thakur, Siddhartha Akasapu, Abdul Samad, Aamal A. Al-Mutairi, Magdi E. A. Zaki	Pharmacophore Synergism in Diverse Scaffold Clinches in Aurora Kinase B	International journal of molecular sciences	23(23)	14527	20 22
13.	Mohamed Moutaouakil, Said Tighadouini, Zainab M. Almarhoon, Maha I. Al-Zaben, Abir Ben Bacha, Vijay H. Masand , Jamal Jamaledine, Rafik Saddik	Quinoline Derivatives with Different Functional Groups: Evaluation of Their Catecholase Activity	Catalysts	12(11)	1468	20 22
14.	Nobendu Mukerjee, Anubhab Das, Rahul D. Jawarkar, Swastika Maitra,	Repurposing food molecules as a potential BACE1 inhibitor for Alzheimer's disease	Frontiers in Aging Neuroscience	14		20 22

	Padmashree Das, Melvin A. Castrosanto, Soumyadip Paul, Abdul Samad, Magdi E. A. Zaki, Sami A. Al-Hussain, Vijay H. Masand , Mohammad Mehedi Hasan, Syed Nasir Abbas Bukhari, Asma Perveen, Badrah S. Alghamdi, Athanasios Alexiou, Mohammad Amjad Kamal, Abhijit Dey, Sumira Malik, Ravindra L. Bakal, Adel Mohammad Abuzenadah, Arabinda Ghosh, Ghulam Md Ashraf					
15.	Rahul D. Jawarkar, Ravindra L. Bakal, Nobendu Mukherjee, Arabinda Ghosh, Magdi E. A. Zaki, Sami A. Al-Hussain, Aamal A. Al-Mutairi, Abdul Samad, Ajaykumar Gandhi, Vijay H. Masand	QSAR Evaluations to Unravel the Structural Features in Lysine-Specific Histone Demethylase 1A Inhibitors for Novel Anticancer Lead Development Supported by Molecular Docking, MD Simulation and MMGBSA	Molecules	27(15)	4758	2022
16.	Rahul D. Jawarkar, Praveen Sharma,	QSAR, Molecular Docking, MD Simulation and MMGBSA	Molecules	27(15)	4951	2022

	Neetesh Jain, Ajaykumar Gandhi, Nobendu Mukerjee, Aamal A. Al- Mutairi, Magdi E. A. Zaki, Sami A. Al- Hussain, Abdul Samad, Vijay H. Masand , Arabinda Ghosh, Ravindra L. Bakal	Calculations Approaches to Recognize Concealed Pharmacophoric Features Requisite for the Optimization of ALK Tyrosine Kinase Inhibitors as Anticancer Leads				
17.	Nahed N. E. El- Sayed, Magdi E. A. Zaki, Sami A. Al- Hussain, Abir Ben Bacha, Malika Berredjem, Vijay H. Masand , Zainab M. Almarhoon, Hanaa S. Omar	Synthesis and Evaluation of Some New 4H-Pyran Derivatives as Antioxidant, Antibacterial and Anti-HCT-116 Cells of CRC, with Molecular Docking, Antiproliferative, Apoptotic and ADME Investigations	Molecules	27(1 5)	891	20 22
18.	Syed Nasir Abbas Bukhari, Mervat Abdelaziz Elsherif, Kashaf Junaid, Hasan Ejaz, Pravej Alam, Abdul Samad, Rahul D. Jawarkar, Vijay H. Masand	Perceiving the Concealed and Unreported Pharmacophoric Features of the 5- Hydroxytryptamine Receptor Using Balanced QSAR Analysis	Pharmaceuticals	15(7)	834	20 22
19.	Magdi E. A. Zaki, Sami A. Al-Hussain, Aamal A. Al- Mutairi, Vijay H. Masand , Abdul Samad, and Rahul D.	Mechanistic Analysis of Chemically Diverse Bromodomain-4 Inhibitors Using Balanced QSAR Analysis and Supported by X-ray	Pharmaceuticals 2022	745	15	20 22

	Jawarkar	Resolved Crystal Structures				
20.	Ravindra L. Bakal, Rahul D. Jawarkar, J. V. Manwar, Minal S. Jaiswal, Arabinda Ghosh, Ajaykumar Gandhi, Magdi E. A. Zaki, Sami Al-Hussain, Abdul Samad, Vijay H. Masand , Nobendu Mukerjee, Syed Nasir Abbas Bukhari, Praveen Sharma, Israa Lewaa,	Identification of potent aldose reductase inhibitors as antidiabetic (Anti-hyperglycemic) agents using QSAR based virtual Screening, molecular Docking, MD simulation and MMGBSA approaches,	Saudi Pharmaceutical Journal	30	693–710	2022
21.	Magdi E. A. Zaki, Sami A. Al-Hussain, Syed Nasir Abbas Bukhari, Vijay H. Masand , Mithilesh M. Rathore, Sumer D. Thakur, Vaishali M. Patil,	Exploring the Prominent and Concealed Inhibitory Features for Cytoplasmic Isoforms of Hsp90 Using QSAR Analysis,	Pharmaceuticals	15(3)	303	2022
22.	Debanjan Sen, Bimal Debnath, Pradip Debnath, Sudhan Debnath, Magdi E. A. Zaki, Vijay H. Masand ,	Identification of potential edible mushroom as SARS-CoV-2 main protease inhibitor using rational drug designing approach,	Scientific Reports	12(1)	1503	2022
23.	R. D. Jawarkar, Ravindrakumar L. Bakal, Magdi E. A. Zaki, Sami Al-Hussain,	QSAR based virtual screening derived identification of a novel hit as a SARS CoV-229E 3CLpro Inhibitor: GA-MLR	Arabian Journal of Chemistry	15(1)	1034–99	2022

	Arabinda Ghosh, Ajaykumar Gandhi, Nobendu Mukerjee, Abdul Samad, Vijay H. Masand , Israa Lewaa,	QSAR modeling supported by molecular Docking, molecular dynamics simulation and MMGBSA calculation approaches,				
24.	Vijay H. Masand , Magdi E. A. Zaki, Sami A. Al-Hussain, Anis Ben Ghorbal, Siddhartha Akasapu, Israa Lewaa, Arabinda Ghosh, Rahul D. Jawarkar,	Identification of concealed structural alerts using QSTR modeling for Pseudokirchneriella subcapitata,	Aquatic toxicology	239	1059 62	20 21
25.	A. Gandhi, V. Masand , M. E. A. Zaki, S. A. Al-Hussain, A. Ben Ghorbal, A. Chapolikar,	QSAR analysis of sodium glucose co-transporter 2 (SGLT2) inhibitors for anti-hyperglycaemic lead development,	SAR and QSAR in Environmental Research	32(9)	731- 744.	20 21
26.	Ajaykumar Gandhi, Vijay Masand , Magdi E. A. Zaki, Sami A. Al-Hussain, Anis Ben Ghorbal, Archana Chapolikar,	Quantitative Structure–Activity Relationship Evaluation of MDA-MB-231 Cell Anti-Proliferative Leads	Molecules	26(1 6)	4795	20 21
27.	Nahed El-Sayed, Taghreed Al-Otaibi, Mona Alonazi, Vijay Masand , Assem Barakat, Zainab Almarhoon, Abir Ben Bacha	Synthesis and Characterization of Some New Quinoxalin-2(1H)one and 2-Methyl-3H-quinazolin-4-one Derivatives Targeting the Onset and Progression of CRC with SAR, Molecular Docking,	Molecules	26(1 1)	3121	20 21

		and ADMET Analyses				
28.	Magdi E. A. Zaki, Sami A. Al-Hussain, Vijay H. Masand , Manoj K. Sabnani, Abdul Samad	Mechanistic and Predictive QSAR Analysis of Diverse Molecules to Capture Salient and Hidden Pharmacophores for Anti-Thrombotic Activity, International journal of molecular sciences	International journal of molecular sciences	22(15)	8352	20 21
29.	Vijay H. Masand , Md Fulbabu Sk, Parimal Kar, Vesna Rastija, Magdi E. A. Zaki,	Identification of Food Compounds as inhibitors of SARS-CoV-2 main protease using molecular docking and molecular dynamics simulations	Chemometrics and Intelligent Laboratory Systems	217	1043 94	20 21
30.	Magdi E. A. Zaki, Sami A. Al-Hussain, Vijay H. Masand , Siddhartha Akasapu, Sumit O. Bajaj, Nahed N. E. El-Sayed, Arabinda Ghosh and Israa Lewaa	Identification of Anti-SARS-CoV-2 Compounds from Food Using QSAR-Based Virtual Screening, Molecular Docking, and Molecular Dynamics Simulation Analysis	Pharmaceuticals	14(4)	357	20 21
31.	Magdi E. A. Zaki, Sami A. Al-Hussain, Vijay H. Masand , Siddhartha Akasapu, Israa Lewaa	QSAR and Pharmacophore Modeling of Nitrogen Heterocycles as Potent Human N-Myristoyltransferase (Hs-NMT) Inhibitors	Molecules	26(7)	1834	20 21
32.	Meghshyam K. Patil, Vijay H. Masand , and Atish K. Maldhure	Schiff Base Metal Complexes Precursor for Metal Oxide Nanomaterial: A Review	Current Nanoscience	17(4)	634- 645	20 21
33.	Vijay H. Masand , Meghshyam K. Patil, Nahed Nasser E. El-	Balanced QSAR analysis to identify the structural requirements of ABBV-075	Journal of Molecular Structure	1229	1295 97	20 21

	Sayed, Magdi E.A. Zaki,Zainab Almarhoon, Sami A Al-Hussain	(Mivebresib) analogues as bromodomain and extraterminal domain (BET) family bromodomain inhibitor				
34.	Vijay H. Masand , Siddhartha Akasapu, Ajaykumar Gandhi, Vesna Rastija, Meghshyam K. Patil	Structure features of peptide-type SARS-CoV main protease inhibitors: Quantitative structure activity relationship study	Chemometrics and Intelligent Laboratory Systems	206	1041-72	20 20
35.	V.H. Masand , V. Rastija , M.K. Patil , A. Gandhi & A. Chapolikar	Extending the identification of structural features responsible for anti-SARS-CoV activity of peptide-type compounds using QSAR modelling	SAR and QSAR in Environmental Research	31(9)	643-654	20 20
36.	C. Cynitha Wise Bell, D. Aruldas., S. Balachandran, I. Hubert Joe, Vijay Masand	Structural, spectroscopic and OeH/O hydrogen bonding interaction on monomer and dimer form of hydroxy phenoxy acetic acid derivatives by experimental and computational techniques	Journal of Molecular Structure	1204	1274-71-1274 90	20 20
37.	R. S. SHINDE, V. H. MASAND , M. K. PATIL	Antiinflammatory Activity of Triazine Thiazolidinone Derivatives: Molecular Docking and Pharmacophore Modelling	Indian J Pharm Sci	81(5)	851-859	20 19
38.	Vijay H. Masand , Nahed N. E. El-Sayed, Vesna Rastija, Mithilesh M. Rathore, Maja	Identification of prodigious and under-privileged structural features for RG7834 analogs as Hepatitis B virus	Medicinal Chemistry Research	28 (12)	2270-2278	20 20

	Karnaš	expression inhibitor				
39.	Vijay H. Masand , Nahed N. Elsayed, Sumersingh D. Thakur, Nandkishor Gawhale, Mithilesh M. Rathore	Quinoxalinones Based Aldose Reductase Inhibitors: 2D and 3D-QSAR Analysis	Molecular Informatics	38	1800 149	20 19
40.	S. Chtita, M. Ghamali, A. Ousaa, A. Aouidate, A. Belhassan, A. I. Taourati, Vijay H. Masand , M. Bouachrine, T. Lakhlifi	QSAR study of anti-Human African Trypanosomiasis activity for 2-phenylimidazopyridines derivatives using DFT and Lipinski's descriptors	Heliyon	5(3)	e013 04	20 19
41.	Vijay H. Masand , Nahed N. E. El-Sayed, Mukesh U. Bambole, Vaijant R. Patil, Sumer D. Thakur	Multiple Quantitative Structure-Activity Relationships (QSARs) analysis for Orally Active Trypanocidal N-Myristoyltransferase Inhibitors	Journal of Molecular Structure	1175	481- 487	20 19
42.	Radhakrishnan S. Jisha, Lilly Aswathy, Vijay H. Masand , Jayant M. Gajbhaye, Indira G. Shibi	Exploration of 3, 6-dihydroimidazo (4, 5-d) pyrrolo (2, 3-b) pyridin-2 (1H)-one derivatives as JAK inhibitors using various in silico techniques	In Silico Pharmacology	5: 9		20 17
43.	Lilly Aswathy, Radhakrishnan S. Jisha, Vijay H. Masand , Jayant M. Gajbhaye, Indira G. Shibi	Design of novel amyloid β aggregation inhibitors using QSAR, pharmacophore modeling, molecular docking and ADME prediction	In Silico Pharmacology	6:12		20 18
44.	Vijay H. Masand , Nahed N.E. El-Sayed, Mukesh U. Bambole, Syed	Multiple QSAR models, pharmacophore pattern and molecular docking	Journal of Molecular Structure	1157	89-96	20 18

	A. Quazi	analysis for anticancer activity of α, β -unsaturated carbonyl-based compounds, oxime and oxime ether analogues				
45.	Vesna Rastija, Maja Molnar, Tena Siladi, Vijay Hariram Masand	QSAR Analysis for Antioxidant Activity of Dipicolinic Acid Derivatives	Combinatorial Chemistry & High Throughput Screening	21	204-214	2018
46.	Vijay H. Masand , Vesna Rastija	PyDescriptor: A new PyMOL plugin for calculating thousands of easily understandable molecular descriptors	Chemometrics and Intelligent Laboratory Systems	169	12-18	2017
47.	VESNA RASTIJA, DEJAN AGIĆ, KRISTIAN BRLAS, VIJAY MASAND	Application a New PyMOL Plugin in Quantitative Structure-Toxicity Relationship Study of Pesticides	WSEAS TRANSACTIONS on BIOLOGY and BIOMEDICINE	14	105-111	2017
48.	S. Athawale, V.H. Masand , S.E. Bhandarkar	Eco-Friendly Synthesize and Biological Evaluation of 2-Amino-5-substituted-1,3,4-thiadiazoles	Research Journal of Chemical Sciences	6(11)	40-43	2016
49.	V. H. Masand , N. N. E. El-Sayed, D. T. Mahajan & V. Rastija	QSAR analysis for 6-arylpyrazine-2-carboxamides as Trypanosoma brucei inhibitors	SAR And QSAR in Environmental Research	28(2)	165-177	2017
50.	Nahed N. E. El-Sayed, Ahmed M. Alafeefy, Mohammed A. Bakht, Vijay H. Masand , Ali Aldalbahi, Nan Chen, Chunhai Fan, Abir Ben Bacha	Synthesis, Antiphospholipase A2, Antiprotease, Antibacterial Evaluation and Molecular Docking Analysis of Certain Novel Hydrazones	Molecules	21	1664-1681	2016
51.	Vijay H. Masand , Nahed N.E. El-Sayed,	QSAR modeling for anti-human African trypanosomiasis	Journal of Molecular Structure	1130	711-718	2017

	Devidas T. Mahajan, Andrew G. Mercader, Ahmed M. Alafeefy, I.G. Shibi	activity of substituted 2-Phenylimidazopyridines				
52.	K.M. Talkit, D.T. Mahajan, N.S. Deshmukh, V. H. Masand	Correlation between physicochemical properties of soybean oil blends with different vegetable oils	Journal of Advances in Food Science & Technology	2 (4)	163-168	2015
53.	Mohamed Ashraf Ali, Hasnah Osmana, Raju Suresh Kumar, Abdulrahman I. Almansour, Vijay H. Masand , Theivendren Panneerselvam	Synthesis and Evaluation of Compounds Containing 4-arylpiperazinyl Moieties Linked to a 2-(pyridin-3-yl)-1H-benzimidazole as p38 MAP Kinase Inhibitors	Letters in Drug Design & Discovery	13	691-696	2016
54.	Lilly Aswathy, Radhakrishnan S. Jisha, Vijay H. Masand , Jayant M. Gajbhiye & Indira G. Shibi	Computational Strategies to Explore Antimalarial Thiazine Alkaloid Lead Compounds Based on an Australian Marine Sponge Plakortis Lita	Journal of Biomolecular Structure and Dynamics	35 (11)	2407-2429	2017
55.	I. Shibi, L. Aswathy, R. Jisha, V. Masand and J. Gajbhiye	Virtual Screening Techniques to Probe the Antimalarial Activity of some Traditionally Used Phytochemicals	Combinatorial Chemistry & High Throughput Screening	19	572-591	2016
56.	Vijay H. Masand , Devidas T. Mahajan, Atish K. Maldhure, Vesna Rastija	Quantitative structure–activity relationships (QSARs) and pharmacophore modeling for human African trypanosomiasis (HAT) activity of pyridyl benzamides and 3-(oxazolo[4,5-	Med Chem Res	25	2324-2334	2016

		b]pyridin-2-yl)anilides				
57.	A. Barakat, A. M. Al-Majid, M. S. Islam, I. Warad, V. H. Masand , S. Yousuf and M. I. Choudhary	Molecular structure investigation and biological evaluation of Michael adducts derived from dimedone	Res Chem Intermed	42	4041-4053	20 16
58.	S. N. A. Bukhari, X. Zhang, I. Jantan, H. L. Zhu, M. W. Amjad and V. H. Masand	Synthesis, Molecular Modeling, and Biological Evaluation of Novel 1, 3-Diphenyl-2-propen-1-one Based Pyrazolines as Anti-inflammatory Agents	Chem Biol Drug Des	85	729-742	20 14
59.	Kailas M. Talkit, D. T. Mahajan, V. H. Masand	Analytical studies on lubrication properties of different vegetable oils blends at different temperatures	Archives of applied science research	7(5)	22-26	20 15
60.	U. G. Malode, N. Mohammad, S. Quazi, D. Mahajan and V. Masand	Phytochemical investigations of <i>Dioscorea bulbifera</i> linn	Indian Journal of Research in Pharmacy and Biotechnology	3(1)	20-23	20 15
61.	T. B. Hadda, Z. K. Genc, V. H. Masand , N. Nebbache, I. Warad, S. Jodeh, M. Genc, Y. N. Mabkhot, A. Barakat and H. S. Zamora	Computational POM and DFT Evaluation of Experimental in-vitro Cancer Inhibition	Acta Chimica Slovenica	62	679-688	20 15
62.	S.A.Quazi, D.T.Mahajan, Noor Mohammad, M.L.Narwade, Vijay Masand , M.R. Ingle	Studies of relative and specific viscosities of Aceclofenacin 70% Dioxane water mixture at different temperature	Indian Journal of Research in Pharmacy and Biotechnology	3(1)	13-14	20 15
63.	S.A.Quazi, D.T.Mahajan, Noor Mohammad, M.L.Narwade,	Studies of ultrasonic and Viscometric behavior of Azithromycin with different Solvent	International Journal of Pharma Sciences and Research (IJPSR)	6(1)	143-144	20 15

	Vijay Masand, M.R. Ingle	systems dioxane- water And methanol- water mixture At 305.15K				
64.	C. Patil, V. H. Masand and K. Patil	Design, synthesis and anti-microbial evaluation of xanthone nucleus unified with thiadiazoles and Schiff's base scaffolds	J. Med. Chem. Drug Disco.	3	1-6	20 15
65.	V. H. Masand, D. T. Mahajan, A. M. Alafeefy, S. N. A. Bukhari and N. N. Elsayed	Optimization of Antiproliferative Activity of substituted Phenyl 4-(2-Oxoimidazolidin-1-yl) benzenesulfonates: QSAR and CoMFA analyses	European Journal of Pharmaceutical Sciences	77	230-237	20 15
66.	E. Pournasheer, S. Shokouhi Tabar, V. H. Masand, R. Aalizadeh and M. R. Ganjali	3D-QSAR and docking studies on adenosine A _{2A} receptor antagonists by the CoMFA method	SAR and QSAR in Environmental Research	26(6)	461-477	20 15
67.	J. Gajbhiye, N. More, M. D. Patil, R. Ummanni, S. Kotapalli, P. Yogeewari, D. Sriram and V. Masand	Discovery of Rimnabant and its potential analogues as anti-TB drug candidates	Medicinal Chemistry Research	24(7)	2960-2971	20 15
68.	I. Shibi, L. Aswathy, R. Jisha, V. Masand, A. Divyachandran and J. Gajbhiye	Molecular docking and QSAR analyses for understanding the antimalarial activity of some 7-substituted-4-aminoquinoline derivatives	European Journal of Pharmaceutical Sciences	77	9-23	20 15
69.	S. Lahsasni, T. B. Hadda, V. Masand, N. B. Pathan, A. Parvez, I. Warad, U.	POM analyses of Raltegravir derivatives: a new reflection enlightening the mechanism of HIV-	Res Chem Intermed	41	5121-5136	20 15

	Shaheen, A. Bader and M. Aljofan	integrase inhibition				
70.	V. H. Masand , D. T. Mahajan, G. M. Nazeruddin, T. Ben Hadda, V. Rastija and A. M. Alfeefy	Effect of information leakage and method of splitting (rational and random) on external predictive ability and behavior of different statistical parameters of QSAR model	Med. Chem. Res	24	1241 – 1264	20 15
71.	A. C. Wei, M. A. Ali, Y. K. Yoon, S. B. Choi, H. Osman, V. H. Masand and T. S. Choon	Antimycobacterial activity and in silico study of highly functionalised dispiropyrrolidines	Med. Chem. Res	24(2)	818- 828	20 15
72.	Noor Mohammad, S. Azhar Quazi, Devidas T. Mahajan, Vijay Masand	Study of seed germination activity (plant growth regulator) of 2[(Z)-(2-phenyl-4H-chromen-4-ylidene)aminophenol and its Ni(III) and Cu (III) complexes on vegetable plant <i>Trigonella foenum-graecum</i>	International Journal of Biosciences and Nanosciences	1(5)	100- 103	20 14
73.	S. Quazi, D. Mahajan, N. Mohammad and V. Masand	Study of plant growth regulating antibiotic drugs - 3-(2-benzimidazol)-3-nitro-6-methyl-chromen-4-one with innertransition metal complexes on spinach (<i>spinacia oleracea</i> l.) at different ph	Indian Journal of Research in Pharmacy and Biotechnology	2(5)	1419- 1421	20 14
74.	V. Rastija and V. H. Masand	QSAR of Antitrypanosomal Activities of Polyphenols and their Analogues Using Multiple Linear Regression	Combinatorial Chemistry & High Throughput Screening	17 (8)	709- 17	20 14

		and Artificial Neural Networks				
75.	A. Barakat, H. J. Al-Najjar, A. M. Al-Majid, S. F. Adil, M. Ali, V. H. Masand , H. A. Ghabbour and H.-K. Fun	Synthesis, X-ray Diffraction, Thermogravimetric and DFT Analyses of Pyrimidine Derivatives	Molecules	19	1718-1720	2014
76.	N. Mohammad, S. Quazi, D. Mahajan, V. H. Masand and M. Ingle	Theoretical based studies of ultrasonic velocities in dioxane-water mixtures of 4-bromo-2-(4-chlorophenyl) imino methyl phenol at different temperatures	International Journal of Pharma Sciences and Research (IJPSR)	5(12)	1045-1048	2014
77.	S. Quazi, D. Mahajan, V. H. Masand , N. Mohammad and M. Ingle	Studies of acoustic behavior of 3-(2-benzimidazol)-3-nitro-6-methyl-Chromen-4-one (bnmc) in a different solvents system by using ultrasonic Interferometer	International Journal of Research and Development in Pharmacy and Life Sciences	3(5)	1206-1210	2014
78.	Vijay H. Masand , Devidas T. Mahajan, Eslam Pourbasheer, Taibi Ben Hadda, Harsh Chauhan, J.M. Gajbhiye, A.M. Alafeefy	Determination of Optimum Values of Descriptors to Set Filters for Synthetic Tri-Pyrrole Derivatives (Prodiginines) Against Multi Drug Resistant Strain of Plasmodium Falciparum	Current Research in Drug Discovery	1 (2)	51-59	2014
79.	S. N. A. Bukhari, I. Jantan, V. H. Masand , D. T. Mahajan, M. Sher, M. Naeem-ul-Hassan and M. W. Amjad	Synthesis of α , β -Unsaturated Carbonyl Based Compounds as Acetylcholinesterase and Butyrylcholinesterase Inhibitors: Characterization, Molecular Modeling,	European Journal of Medicinal Chemistry	83	355-365	2014

		QSAR Studies and Effect Against Amyloid β -Induced Cytotoxicity				
80.	V. H. Masand , D. T. Mahajan, P. Gramatica and J. Barlow	Tautomerism and multiple modelling enhance the efficacy of QSAR: Anti-malarial activity of phosphoramidate and phosphorothioamidate analogues of amiprophos methyl	Med. Chem. Res	23	4825-4835	2014
81.	V. H. Masand , A. A. Toropov, A. P. Toropova and D. T. Mahajan	QSAR models for anti-malarial activity of 4-aminoquinolines	Computer Aided Drug Designing	10	75-82	2014
82.	C.K. Patil, V. H. Masand , K. N. Patil	Retrosynthesis favours e-Chemistry	Int. J. Researches in BioSci. Agri. & Tech.	2(1)	1339-1342	2014
83.	V. H. Masand , D. T. Mahajan, T. Ben Hadda, R. D. Jawarkar, A. M. Alafeefy, V. Rastija and M. A. Ali	Does tautomerism influence the outcome of QSAR modeling?	Med Chem Res	23(4)	1742-1757	2014
84.	V. H. Masand , D. T. Mahajan, T. B. Hadda, R. D. Jawarkar, H. Chavan, B. Bandgar and H. Chauhan	Molecular Docking and Quantitative Structure Activity Relationship (QSAR) Analyses Of Indolylarylsulfones As HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitors	Med Chem Res	23(1)	417-425	2014
85.	V. H. Masand , D. T. Mahajan, S. A. Quazi, T. B. Hadda	BIS/MC algorithm based 3d-qsar for receptor modelling to explore anti-malarial activity of synthetic prodiginines	Int. J. Researches in BioSci. Agri. & Tech.	2(1)	1287-1297.	2014
86.	D.T.Mahajan, Vijay Masand , RK Kendale	Study in acoustical properties of glucose with biochemic salts at different	Int. J. Researches in BioSci. Agri. & Tech.	2(1)	623-627	2014

		concentrations in aqueous solution				
87.	Quazi Syed Azharuddin, D.T.Mahajan, M.L. Narawade, Vijay Masand , Rahul D. Jawarkar	Analysis of malathion in biological samples using thin layer chromatography	Biochemistry: An Indian journal	7(4)	141-144	20 13
88.	V. H. Masand	Studies in estimation of logp values for substituted aromatic compounds and comparison with other resources using simple expedient method	J. Med. Chem. Drug Disco.	1(1)	18-47	20 13
89.	V. Rastija, S. Nikolić and V. H. Masand	Quantitative relationships between structure and lipophilicity of naturally occurring polyphenols	Acta Chimica Slovenica	60	781–789	20 13
90.	B. Bennani, A. Kerbal, B. F. Baba, M. Daoudi, I. Warad, M. Aljofan, A. M. Alafeefy, V. Masand and T. B. Hadda	Synthesis, characterization, bioactivity, and POM analyses of isothiochromeno [3,4-e][1,2]oxazines,	Med Chem Res	22	4798 – 4809	20 13
91.	Y. K. Yoon, M. A. Ali, A. C. Wei, T. S. Choon, K.-Y. Khaw, V. Murugaiyah, H. Osman and V. H. Masand	Synthesis, characterization and molecular docking analysis of novel benzimidazole derivatives as cholinesterase inhibitors	Bioorganic Chemistry	49	33–39	20 13
92.	H. V. Chavan, B. P. Bandgar, L. K. Adsul, V. D. Dhakane, P. S. Bhale, V. N. Thakare and V. Masand	Design, synthesis, characterization and anti-inflammatory evaluation of novel pyrazole amalgamated flavones,	Bioorganic and Medicinal Chemistry Letters	23	1315 – 1321	20 13
93.	V. H. Masand , D. T.	Optimization of Anti-malarial	Chemical Biology Drug Design	81	527–536	20 13

	Mahajan, K. N. Patil, T. B. Hadda, M. H. Youssofi, R. D. Jawarkar and I. G. Shibi	Activity of Synthetic Prodiginines: QSAR, GUSAR and CoMFA analyses				
94.	D. T. Mahajan, V. H. Masand , K. N. Patil, T. B. Hadda and V. Rastija	Integrating GUSAR and QSAR analyses for anti-malarial activity of synthetic prodiginines against multi drug resistant strain	Med Chem Res	22	2284 – 2292	20 13
95.	T. B. Hadda, R. Mouhoub, R. Jawarkar, V. Masand and I. Warad	POM Analyses of Antitrypanosomal Activity of 2- Iminobenzimidazoles : Favorable and Unfavorable Parameters for Drugs Optimization.	Med Chem Res	22	2437 – 2445	20 13
96.	T. B. Hadda, J. Fathi, I. Chafchaoui, V. Masand , Z. Charrouf, Z. H. Chohan, R. Jawarkar, T. Fergoug and I. Warad	Computational POM and 3D-QSAR Evaluation of Experimental in vitro HIV-1 Integrase Inhibition of Amide- containing di- Ketoacids	Med Chem Res	22(3)	1456- 1464	20 13
97.	T. B. Hadda, T. Fergoug, I. Warad, V. Masand and J. Sheikh	POM as quick bioinformatic platform's to select flavonoids and their metabolites as potential and efficient HIV-1 integrase inhibitors,	Research on Chemical Intermediates	39	1227 – 1244	20 13
98.	T. B. Hadda, M. A. Ali, V. Masand , S. Gharby, T. Fergoug and I. Warad	Tautomeric origin of dual effects of n1- nicotinoyl-3-(4'- hydroxy-3'-methyl phenyl)-5- [(sub)phenyl]-2- pyrazolines on bacterial and viral strains: POM analyses as new efficient	Med Chem Res	22	1438 – 1449	20 13

		bioinformatics' platform to predict and optimize bioactivity of drugs				
99.	T. B. Hadda, A. Kerbal, B. Bennani, G. Al Houari, M. Daoudi, A. C. Leite, V. H. Masand , R. D. Jawarkar and Z. Charrouf	Molecular drug design, synthesis and pharmacophore site identification of spiroheterocyclic compounds: <i>Trypanosoma cruzi</i> inhibiting studies	Medicinal Chemistry Research	22 (1)	57-69	20 13
100.	Kailas M. Talkit, D. T. Mahajan, V. H. Masand	Analytical study of vegetable oils and their blends as base oil for industrial lubricant	International J. Advanced Scientific and Technical Research	2(6)	656-663	20 12
101.	Dilip. M. Raut, D. T. Mahajan, Vijay H. Masand , D. M. Sakharkar, P. S. Bodke, Ravikiran Allada, K.V. Pavan, Girish Deshpande, Durvas Patil, Avinash Patil	Quantification of amorphous phase by gravimetric vapor sorption	International Journal of Current Research	4(1)	142-145	20 12
102.	K. M. Talkit, D. Mahajan and V. H. Masand	Physicochemical properties of Soybean Oil and their blends with vegetable oils for the evaluation of lubrication properties	J. Chem. Bio. & Phy. Sciences SecC	3(1)	490-497	20 12
103.	D. T. Mahajan, V. H. Masand , K. N. Patil, T. B. Hadda, R. D. Jawarkar, S. D. Thakur and V. Rastija	CoMSIA and POM analyses of anti-malarial activity of synthetic prodiginines	Bioorganic & Medicinal chemistry letters	22 (14)	4827-4835	20 12
104.	B. P. Bandgar, L. K. Adsul, H. V. Chavan , S. S. Jalde, S. N.	Synthesis, biological evaluation, and docking studies of 3-(substituted)-aryl-5-	Bioorganic and Medicinal Chemistry Letters	22(18)	5839-5844	20 12

	Shringare, R. Shaikh, R. J. Meshram, R. N. Gacche and V. Masand	(9-methyl-3-carbazole)-1H-2-pyrazolines as potent anti-inflammatory and antioxidant agents				
105.	A. M. Alafeefy, S. I. Alqasoumi, A. E. Ashour, V. Masand , N. A. Al-Jaber, T. B. Hadda and M. A. Mohamed	Quinazoline–tyrphostin as a new class of antitumor agents, molecular properties prediction, synthesis and biological testing	European J. Med. Chem.	53	133-140	20 12
106.	V. H. Masand , D. T. Mahajan, K. N. Patil, K. D. Chinchkhede, R. D. Jawarkar, T. B. Hadda, A. A. Alafeefy and I. Shibi	k-NN, quantum mechanical and field similarity based analysis of xanthone derivatives as α -glucosidase inhibitors	Medicinal Chemistry Research	21(1-2)	4523-4534	20 12
107.	V. H. Masand , R. D. Jawarkar, D. T. Mahajan, T. B. Hadda, J. Sheikh and K. N. Patil	QSAR and CoMFA studies of biphenyl analogs of the anti-tuberculosis drug (6S)-2-nitro-6-{{4-(trifluoro methoxy) benzyl}oxy}-6,7-dihydro-5H-imidazo [2,1-b][1,3] oxazine (PA-824)	Medicinal Chemistry Research	21	2624 – 2629	20 12
108.	AA.Nerkar, DT Mahajan, VH Masand	Docking of curcumin tautomers with HIV-integrase to study the effect of keto-enol tautomerism	BIONANO FRONTIER	5 (2 - III)	96	20 12
109.	K. M. Talkit, D. Mahajan and V. Masand	Study on physicochemical properties of vegetable oils and their blends use as possible ecological lubricant	J. Chemical & Pharmaceutical Research	4(12)	5139-5144	20 12
110.	AM Manikrao, PN Khatale, RD Jawarkar, JV Vyas, DT	Presuming the Probable Anti-inflammatory Mechanism of	J. Comput. Method. Mol. Design	1 (2)	9-13	20 11

	Mahajan, VH Masand , Taibi ben Hadda	Ursolic Acid: a plant derived pentacyclitriterpenoid, using molecular docking				
111.	V. H. Masand , D. T. Mahajan, K. N. Patil, N. Padole, T. B. Hadda, A. A. Alafeefy and I. Shibi	Molecular docking and 3D QSAR studies of quinoxaline derivatives as potential influenza NS1A protein inhibitors	J. Comput. Method. Mol. Design	1 (3)	49-56	2011
112.	V. H. Masand , D. T. Mahajan, A. M. Manikrao, N. Mahajan, P. N. Khatale, R. D. Jawarkar, T. B. Hadda	Investigating the interactions of FCS-304 and other Monoamine Oxidase (MAO) A Inhibitors Using Molecular Docking	J. Comput. Method. Mol. Design	1 (3)	24-28.	2011
113.	J. Fathi, V. Masand , R. Jawarkar, R. Mouhoub and T. B. Hadda	POM as Efficient Tools to Predict and Improve Both Antibacterial and Antifungal Activity of Aryl Aldazines	J. Comput. Method. Mol. Design	1 (3)	57-68.	2011
114.	V. H. Masand , D. T. Mahajan, K. N. Patil, N. E. Dawale, T. B. Hadda, A. A. Alafeefy and K. D. Chinchkhede	General Unrestricted Structure Activity Relationships based evaluation of quinoxaline derivatives as potential influenza NS1A protein inhibitors	Der pharma Chemica	3(4)	517-525	2011
115.	Aliasghar Jarrahpour, Ibrahim El-Mounsi, Taibi Ben Hadda, Rahul Jawarkar, Vijay Masand	Experimental-Computational Evaluation of Antimicrobial Activity of Some β -Lactams: Advantages and limitations	J. Comput. Method. Mol. Design	1 (4)	28-34	2011
116.	A. M. Manikrao, N. S. Mahajan, R. D. Jawarkar, D. T. Mahajan, V. H. Masand , T.	Docking Studies of few C-3Substituted Azapteridines as Hepatitis C Virus RNA-Dependent RNA Polymerase	J. Comput. Method. Mol. Design	1 (4)	35-45	2011

	ben Hadda	inhibitors				
117.	V. Masand , K. Patil, R. Jawarkar, T. Hadda, M. H. Youssoufi and A. A. Alafeefy	Exploring interactions of 2-Amino-6-arylsulfonyl benzonitrile derivatives as non-nucleoside reverse transcriptase inhibitors of HIV-1 using docking studies	J. Comput. Method. Mol. Design	1 (3)	39-48.	20 11
118.	S.D. Thakur, D. T. Mahajan, K. P. Munot, R. D. Deshmukh, M. S. Tihile, V. H. Masand	Studies in influence of ionic strength of medium on the complex equilibria of substituted hydroxy-1-3-propandiones with Cr(III) and La(III) metal ions pH metrically	Der Pharma Chemica	3(6)	165-173	20 11
119.	V. H. Masand , R. Jawarkar, K. Patil, G. Nazerruddin and S. O. Bajaj	Correlation potential of Wiener index vis-a-vis molecular refractivity: Anti-malarial activity of xanthone derivatives	Organic Chemistry: An Indian journal	6(1)	30-38	20 10
120.	G. Nazeruddin, S. Suryawanshi, H. A. Osman, V. H. Masand and K. N. Patil	QSAR/QSPR: Designing of derivatives of α -aryl propanoic acid (NSAID) followed by selection of a good synthetic route through mathematical modeling	J. Chem. Pharm. Res.	2(3)	544-550	20 10
121.	V. H. Masand , K. N. Patil, D. T. Mahajan, R. D. Jawarkar and G. M. Nazerruddin	3D-QSAR studies on xanthone derivatives to understand pharmacological activities as MAO inhibitors	Der Pharma Chemica	2(5)	22-32	20 10
122.	R. D. Jawarkar, D. T. Mahajan, V. H. Masand , T. Ben Hadda and G. Kurhade	COMFA analysis and toxicity risk assessment of coumarin analogues as MAO-A inhibitors; Attempting better	Der Pharm. Lettre	2(6)	350-357	20 10

		insight in drug design				
123.	R. D. Jawarkar, V. H. Masand , K. N. Patil, D. T. Mahajan, M. H. Youssoufi, T. B. Hadda and S. L. Kumbhare	3D-QSAR study on coumarin analogues as potent inhibitors as MAO-B using COMFA approach	Der Pharm. Chem.	2(6)	302-310	2010
124.	VH Masand , KN Patil, ML Narwade, SO Bajaj	Prediction and interpretation of molecular refractivity of a set of adrenergic amines by randic index	Acta Ciencia indica	XXX V C 1	131-136	2009
125.	V. Masand , K. Patil, V. Humne, Nasir Baig	Synthesis of some new condensation products of 1-hydroxy-9H-xanthen-9-one	Ind. J. Heterocyc. Chem.	17	375-376	2008

B. In Proceeding of Conferences/Seminars:

Sr. No.	Name of Author and Co-author	Title of the paper and page numbers	Name and venue of Conference	ISSN/ISBN No.
1.	Noor Mohammad, S.A.Quazi, D.T.Mahajan, M.L.Narwade, Vijay.H.Masand , JundeAhmad, M.R.Ingle	Studies in stability constants, viscosity and refractivity index of Cu(II), Co(II)and Ni(II) complexes with 1-(3-bromo-2-hydroxy-5-methylphenyl)-3-phenylpropane-1, 3-dione (I) at 0.1M strength	Analytical Chemistry Teachers And Researchers Association, Aurangabad	Journal of Medicinal Chemistry and Drug Discovery, Special Issue, National Convention/Seminar 18 January 2015 ISSN: 2347-9027
2.	Nilesh S. Kadu, S. D. Thakur, D.T. Mahajan, Vijay H. Masand	Pharmacophore modeling and structure activity relationship analysis for evaluation of nitazoxanide- based analogues against Campylobacter jejuni	Analytical Chemistry Teachers And Researchers Association, Aurangabad	Journal of Medicinal Chemistry and Drug Discovery, Special Issue, National Convention/Seminar 18 January 2015 ISSN: 2347-9027
3.	Vijay Masand , A.A.Shaikh, Y.I Shaikh, G.M.Nazeruddin	Computer Aided Designing of New Non-Steroidal Anti Inflammatory Drugs (NSAIDs) considering Ibuprofen as a Lead Compound followed by suggestion of a Good Synthetic route	Analytical Chemistry Teachers And Researchers Association, Aurangabad	Journal of Medicinal Chemistry and Drug Discovery, Special Issue, National Convention/Seminar 18 January 2015

				ISSN: 2347-9027
4.	Meghshyam K. Patil, D.T. Mahajan, Syed Azhar Quazi, Vijay H. Masand	Pharmacophore modeling for discovery of 6,7-Dihydro-5H-pyrrolo[2,3a]pyrimidines as orally available G Protein-Coupled Receptor 119 agonists	Analytical Chemistry Teachers And Researchers Association, Aurangabad	Journal of Medicinal Chemistry and Drug Discovery, Special Issue, National Convention/Seminar 18 January 2015, 553-558 ISSN: 2347-9027
5.	G.M.Nazeruddin, Vijay Masand , A.A.Shaikh, Y.I Shaikh,	Molecular docking and property-based design for non-steroidal anti-inflammatory drugs using Biginelli's synthetic protocol	Analytical Chemistry Teachers And Researchers Association, Aurangabad	Journal of Medicinal Chemistry and Drug Discovery, Special Issue, National Convention/Seminar 28 February 2016, ISSN: 2347-9027

C. In Books

Sr. No.	Title of Chapter/ Unit with page Numbers	Title of the Book, Editor & Publisher	ISBN No.	Name of Co-authors
1.		Advances and Recent Applications in LC-MS and HPLC, 1st Edition	Elsevier Publication, Netherlands ISBN-13: 978-0128042076	S.A. Quazi, D.T. Mahajan, V.H. Masand
2.		Industrial Based Practical Book	Lambert Publication, Germany ISBN-13: 978-3659629129	S.A. Quazi, D.T. Mahajan, V.H. Masand
3.		Chemistry Laboratory Safety Manual	BookRix Publications, Germany, ISBN-9783736887664	S.A. Quazi, D.T. Mahajan, V.H. Masand , I.G. Shibi, Noor Mohammad
4.		Thin Layer Chromatography Method	BookRix Publications, Germany, ISBN-9783736888692	S.A. Quazi, D.T. Mahajan, V.H. Masand , Sumer D. Thakur, Noor Mohammad
5.	The Role of Artificial Neural Networks on Target Validation in Drug Discovery and Development, Page	Artificial Neural Network for Drug Design, Delivery and Disposition	Elsevier Publication, Netherlands ISBN: 9780128015599	Harsh Chauhan, Jonathan Bernick, Dev Prasad, Vijay Masand

	no. 15-27			
6.	Chapter-17: Metal oxide composites in organic transformations	Book: Advances in Metal Oxides and Their Composites for Emerging Applications	International (Elsevier Pub. Netherlands) ISBN: 9780323857055	Meghshyam K. Patil, Sambhaji T. Dhumal and Vijay H. Masand

13. Organization of various academic events:

S. No.	Name of the event	Level (International, National, State, University, Local or Institutional)	Duration and Venue
1	One day workshop on 'Pursuing Research in the new context in SGBAU'	University	12/08/2017 at Vidya Bharati Mahavidyalaya, Amravati

14. Participation in various academic events:

S. No.	Name of the event	Level (International, National, State, University, Local or Institutional)	Duration and Venue
1	'Recent Trends in Science and Technology'	International	22-23 March, 2018 at SSSKR Innani Mahavidyalaya, Karanjalad
2	'NAAC Accreditation Awareness Workshop'	University	23 rd November, 2017 at Shri Shivaji Science College, Amravati
3	'Awala Prakriya Prashikshan' workshop	University	17 th November, 2017 at Vidya Bharati Mahavidyalaya, Amravati

15. Participation as resource person/ Expert/keynote speaker in various academic events:

S. No.	Name of the event	Level (International, National, State, University, Local or Institutional)	Duration and Venue
1.	Recent Trends in Chemical Research 2010	National	G.S. Gawande College, Umerkhed, Yavatmal
2.	Cheminformatics and Drug Discovery, 20 th Feb 2010	State	Poona College, Pune
3.	RENACOM-2011 29-30 April, 2011	International	University Moulay Ismail Meknes, Errachidia, Morocco
4.	Computer Aided Drug Designing (Bentham)-2011, 17-19 th March 2011	National	Sree Narayana College, Chengannur, Kerala
5.	Current Trends in Chemical Research (NCCTCR-2012), 30-31 st August 2012	National	Department of Chemistry, Vasantnaik Mahavidyalaya Aurangabad
6.	Advances in the drug design and discovery (NCADDD),	National	Poona College, Pune

	24-25 th March 2014		
7.	Drug Discovery India-2014, 11-12 th September 2014	International	Select BioSciences, India
8.	Computational Chemistry- From theory to Applications (InSilico-15), 29-31 st July 2015	National	M.S.M. College, Kayamkulum, Kerala
9.	Machine learning approaches in chemistry a new trend in Quantum mechanics, 4-6 th August 2015	National	Sree Narayana College, Chengannur, Kerala
10.	Role of Researchers towards Green Economy	National	Agrawal Science College, Salekasa (Gondia) on 16 th November, 2017
11.	Recent Advances in Drug Designing	International	Dr. Rajendra Gode Institute of Pharmacy, 15-16 th Dec. 2021

16. Position held (In various administrative bodies)

S. No.	Organizations/ Bodies	Position held	Tenure
1	BoS in Chemistry, SGBAU, Amravati	Member	2017-2022
2	BoS in Chemistry, SGBAU, Amravati	Member	2022-2027

17. Whether selected to visit other Institution in India and abroad.

S. No.	Name of the Laboratories/ Institutions / Industries	National/International	Duration
1	Josip Juraj Strossmayer University of Osijek, Osijek, Croatia, Europe	International	May, 2016 to June 2016
2	University Mohammad Premier, Oujda, Morocco	International	April 2011 to May 2011

18. Awards /recognitions received at the national and international level