



Maratha Vidya Prasark Samaj's Arts, Science and Commerce College Ozar (MIG)



EDUCATIONAL QUALIFICATION



Academic Qualifications (graduate, post-graduation) :-

Examinations	Name of the University	Year of Passing	Percentage of marks obtained	Class	Subject
B.Sc	Pune	1982	61.86	1 st	Chemistry
M.Sc	Pune	1984	60.15	1 st	Organic Chemistry

a

Research Degree

Degrees	Title	Date of award	University
Ph.D.	Synthesis of Diazaheterocycles: Nucleophilic Reactions of Maleic Anhydride Derivatives with o-Phenylenediamines	20-02-1995	Pune

Skilled Courses:

	Course	Duration	Conducted by
i	Introduction to computer	15.10.95 to 21.10.95	Shramic Vidyapith Nashik
ii	Diploma in Information Technology	Oct.2000 to Dec.2000	C-DAC, Advanced Computer Training School,
iii	Diploma in Computer Hardware	45 days in 2004	Silicon Valley Computer Services, Nashik
iv	Faculty Development Programme In Entrepreneurship	22.12.2004 to 05.01.2005	MITCON, sponsored by DST, Government of INDIA

Appointments held prior to joining MVP

Designation	Name of Employer	Joining	leaving	Reason of leaving
JRF, CSIR Fellow	HPT/RYK College, Nashik	Jan 1985	Aug 1987	Joined junior college teacher
Junior college	HPT/RYK College	Sept 1987	Nov 1989	Joined Senior college

teacher	Nshik			
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Posts held after appointment at this institution (MVP):-

Designation	Department	Date of actual Joining	
		From	To
Lecturer	Chemistry	13-12-1989	31-08-1995
Lecturer (Sr.Grade)	Chemistry	01-09-1995	31-08-2000
Reader	Chemistry	01-08-2000	31-12-2005
Associate Professor	Chemistry	01-01-2006	10-11-2016
Principal		11-11-2016	Till today

Fellowship:

1. SERC visiting fellow at National Chemical Laboratory, Pune
Sponsored by Department of Science and Technology, New Delhi
2. Post-doctoral fellow at National Taiwan University, Taipei, Taiwan
For 4.5 yers.

Fields of Specialization under the Subject / Discipline

(a) Synthesis of photosensitisers derived from FULLERENE (C₆₀) and Fluorescent heterocycles for treatment of malignant (cancer) cells by PHOTODYNAMIC THERAPY and similar applications.

(b) Synthesis of novel heterocycles for biological and material evaluation and development of new methodologies

Academic Staff College Orientation / Refresher Course attended:

Name of the Course	Grade	Place	Duration	Sponsoring Agency
Refresher	"A"	KTHM College Nashik	Oct.29, 2003 To Nov. 18, 2003	Academic Staff College, University of Pune
Refresher	"O"	University of Pune	July 23, 1997 To Aug. 19, 1997	Academic Staff College, University of Pune

Orientation	"A"	University of Pune	Oct.11,1993 TO Nov.8,1993	Academic Staff College, University of Pune
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RESEARCH, PUBLICATIONS AND ACADEMIC CONTRIBUTIONS:

Published papers in Journal's:

	Title of the paper	Journal , volume, page, month and year of publication	ISSN No	Impact factor
1	Reactions of cyclic anhydrides: Part XVII- Synthesis of pyrrolobenzimidazoles and benzimidazolylacrylic acids.	<u>Indian J. Chem.</u> , 29B 124, February, 1990	0376- 4699	0.648
2	Synthesis of azamitosane congeners: 3a- Acetoxy-4-acetyl-3a, 4-dihydro-1H-pyrrolo- [1,2-a]-benzimidazol-1-ones	<u>Indian J. Chem.</u> , 29B, 659, July 1990	0376- 4699	0.648
3	Synthesis of azamitosane congeners: 3a- Acetoxy-4-acetyl-3a, 4-dihydro-1H-pyrrolo- [1,2-a]-benzimidazol-1-ones	<u>Indian J. Chem.</u> , 29B, 659, July 1990	0376- 4699	0.648
4	Oxidation of C ₆₀ - bound Oligoaniline leucoemeraldine upon Photoactivation,	<u>Synthetic Metals</u> , 121 (2001) 1123-1124	0379- 6779	2.33
5	Rapid Sulfation Kinetics of Fullerene in Oleum-Oxide Mixtures,	<u>Synthetic Communication</u> , 31 (2001) 1659-1667.	0039- 7911	1.06
6	Intramolecular Electron Transfer of C ₆₀ oligoaniline leucoemarraldine Conjugates upon Photoactivation.	<u>Journal of Macromolecular Science Part A-Pure and Applied Chemistry</u> , 39 (2002) 1069	1060- 1325	1.02
7	Synthesis of Elastic Core-shell Conductive Submicron to Nanoparticals of Penta(oligoanilinated) C ₆₀ .	<u>Synthetic Metals</u> , 135- 136 (2003) 795-97.	0379- 6779	2.33
8	Synthesis of Dendritic Triblock Copolymers of Starburst Oligoanilinated C ₆₀ Elastomer.	<u>Polymer Preprints</u> , 44, (2003), 281	0032- 3934	1.3
9	Synthesis of Starburst Oligoanilino[C ₆₀] fullerene and Poly(Dimethylsiloxane) Triblock	<u>Journal of Macromolecular</u>	1060- 1325	

	Copolymers.	Science, Part A-Pure and Applied Chemistry, <u>A40</u> (2003) 1263-1273.		1.02
10	Preparation of conducting core-shell nanoparticles based on dendritic hexadecaniline –C ₆₀ -poly(dimethylsiloxane) conjugates.	<u>Synthetic Metals</u> , 154 (2005) 5-8	0379-6779	2.33
11	Solvent-Mediated One-Pot Synthesis of Cyclic N-substituted Maleimides ,	<i>Org. Prep. Proc. Int.</i> , 45, 313, June 13	0030-4948	1.61
12	Synthesis and biological evaluation of novel N-aryl maleimide derivatives clubbed with α -hydroxyphosphonates	European Journal of Medicinal Chemistry, <u>83</u> , 490-497, June 2014	0223-5234	3.447
13	Synthesis of novel N-aryl-3-dialkylamino-4-substituted maleimides	Indian Journal of Chemistry, <u>54B</u> , 272-278 ,October 2014	0975-0983 (Online); 0376-4699 (Print)	0.51
15	Cyclopentyl-pyrimidine based analogues as novel and potent IGF-1R Inhibitor	European Journal of Medicinal Chemistry <u>92</u> , 246-256, December 2014	0223-5234	3.447
16	Synthesis of substituted N-aryl pyrrolo-quinolines and study of their antimicrobial activities	Journal of chemical and pharmaceutical research, <u>6</u> , 393-399, 2014	0975–7384	Peer viewed
17	Synthesis and photophysical properties of 3-alkoxy-4-aryl maleic anhydrides	Journal of chemical and pharmaceutical research, <u>7</u> , 2137-2143, 2015	0975–7384	Peer viewed
18	Synthesis of pyrano[2,3-d]pyridine, pyrazolo [3,4-b]pyridine derivatives by microwave irradiation and study of their insecticidal activity.	Journal of chemical and Pharmaceutical research, 7(2), 476-482	0975-7384	Peer viewed
19	Synthesis of pyrazolo pyridine, pyrano pyrazolo pyridine characterized by analytical techniques and study of their insecticidal activity	Information and research trends, <u>2</u> ,(1) ,50-55 , 2014	2320-2327	Peer viewed

20	A green approach for the synthesis of organic heterocyclic compounds such as pyrazolo[3, 4-B] pyridine derivatives	International Journal of Pharmaceutical Research and Development, 6(10) , 87-95, 2014	0974-9446	2.01
21	N and O alkylation reactions of pyrazolopyridine derivatives by using microwave irradiation techniques.	International Journal of Pharmaceutical Research and Development, 6(12) , 19-25, 2015	0974-9446	2.01
22	A one pot multicomponent synthesis of novel pyrazolo[3,4]pyridine derivatives by microwave irradiation techniques	World Journal of Pharmaceutical research, (4)3 , 1028-1040, 2015	2277-7105	5.04
23	Synthesis of novel thiosemicarbazide derivatives of disubstituted N-aryl maleimides	World Journal of Pharmaceutical Research, 5(4) , 172-180	2277-7105	6.805
24	Synthesis and characterization of novel thiazole derivatives of disubstituted N-arylmaleimides.	Der Pharma Chemica, 8(7) , 66-73, 2016	0975-413	0.38
25	Synthesis and characterization of novel semicarbazone derivatives of disubstituted N-aryl maleimides	Journal of Pharmaceutical, Chemical and Biological Sciences	2348-7658	2.092
26	Green approach towards the one pot synthesis of cyclic N-substituted succinimides by using acetic acid and zinc	Pursuit: A half yearly international journal	2393-2649	Peer viewed

Research Papers presented in national/international conferences

S. No	Title of the Paper presented	Title of Conference /Seminar	Organized by	Whether international /national/state /regional/college or university level
1	Synthesis of azamitosane congeners	Indian Council of Chemists, 27 th Annual Conference	Gurukul Kangri Vishwavidyalaya, Haridwar December, 2008	National
2	Reactions of Substituted O-Phenylendiamines with maleic anhydride :Formation of 2-oxo-quinoxaline	The Indian Science Congress Association	CSIR	National

	derivative.			
3	Synthesis of Azamitosane Congeners via Succinanic Acids	Innovation-2009-10	Pune University and KTHM College	University
4	Synthesis and fluorescence study of 2,3-disubstituted maleic anhydride derivatives for biological applications	17 th International conference on "Expanding Horizons in Chemical and Biological Sciences: Innovations Crossroads"	School of Chemical Sciences Solapur University, Solapur	International
5	Synthesis of Five Member Cyclic Imides	National Seminar on "General Applications of Chemistry"	Department of Chemistry, SGMS College, Kopergaon	National
6	Synthetic application of N-aryl Maleimides	National Symposium on "Perspective of Organic Synthesis"	Department of Chemistry, University of Pune	National
7	Synthesis and photophysical properties of [60] fullerene-phenyl methoxy maleimide dyads	246 th American Chemical Society National Meeting and Exposition	American Chemical Society, USA	International
8	[60] Fullerene-phenyl methoxy maleimide dyads: Synthesis and Fluorescence Study for Material Applications	Advanced analytical techniques in chemistry and pharmacy	MSG College, Malegaon	National
9	[60] Fullerene-phenyl methoxy maleimide dyads: Synthesis and Fluorescence Study	Global Opportunities for latest Developments in Chemistry and Technology-2014	North Maharashtra University	International
10	Synthesis, Fluorescence and DFT study of 3,4-	INNOVATION-2014	University of Pune	University

	disubstituted maleic anhydrides			
11	HOMO-LUMO and Photophysical Properties of 3-Alkoxy-4-Aryl Maleic Anhydride	Recent advances in chemical sciences, Technology and Environment	North Maharashtra University, Jalgaon	National
12	Zinc catalysed one pot synthesis of N-aryl succinimides	Chemistry for overall development of human being	KSKW AS & C College, Cidco, Nashik	National
13	Synthesis, Fluorescence and DFT Study.....Applications	Innovation-2015	BCUD, SP University of Pune	University
14	Green approach towards the one pot synthesis of cyclic N-substituted succinimides by using acetic acid and zinc	State level seminar on "Optical activity and stereochemistry"	Department of chemistry, KKW College, Pimpalgaon(B)	State
15	Photophysical properties of [60] Fullerene-phenyl methoxy maleimide dyads.	Recent trends in chemical & Environmental Sciences	S. N. Arts, Commerce and Science College, Sangamner	International

Articles / Chapters published in Books

Sr. No.	Title with page Nos.	Book Title, editor & publisher	ISBN No.
1	Synthesis of novel pyrazolo[3,4b]pyridine derivatives by microwave irradiation technique	Material advances for better future	978-93-83870-20-2
2	Zinc catalyzed one pot synthesis of N-aryl succinimides	Chemistry for overall development of human being	978-93-5158-169-7
3	Recent trends in chemical and Environmental	Photophysical Properties of [60] Fullerene-phenyl	978-81-930345-5-2

	sciences	methoxymaleimide dyades	
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Completed research projects:

S. No	Title	Agency	Period	Grant/Amount Mobilized (Rs lakh)
1	Synthesis of azamitosane congeners via succinanilic acids	BCUD	2 years	200000=00
2	Reactions of maleic anhydride and its derivatives with nucleophiles: Novel synthetic approaches to fused heterocycles for biological/fluorescence applications.	UGC	3years	10,50,300=00
3	Synthesis, Fluorescence and DFT study of 3,4-Disubstituted Maleimides for Biological and Material Applications	BCUD	2years	270000=00

Research Guidance:

S.No	Name of the candidate	Synopsis submitted on	Thesis submitted on	Degree awarded on
1	Mr. Deshmukh Ganesh B	08-01-2015	28-05-2015	10-03-2016
2	Mr. Patil Nilesh Shivaji	15-12-2014	28-05-2015	15-12-2015
3	Mr. Keshao A. Mahale	09-04-2015	09-11-2015	30-03-2016
4	Mr. Kirankumar S Gosavi	03-07-2015	10-12-2015	26-08-2016
5	Mrs Choudhari Sunita	07-05-2015	25-01-2016	27-05-2016
6	Mr. Aware Walmik	23-05-2016	June2017	02-02-2018

Invited lectures

Sr. No.	Topic	Conference	Venue	Level
1	U. V. Spectroscopy and its applications	Organic spectroscopy 11/02/2005	KKW College, Pimpalgaon (B)	Regional
2	I.R. Spectroscopy and its analytical applications	Application of spectroscopic techniques in analytical chemistry	ACS College, Satana	Regional
3	Nanoscience, and Nanochemistry and Nanotechnology	Nanotechnology: Concept, scope and applicatiopns	KK Wagh, ACS College, Nashik	Regional
4	Chemistry of fullerenes	Modern Trends in Chemistry	ASC College, Saikheda	Regional
1	U. V. Spectroscopy and its applications	Organic spectroscopy 11/02/2005	KKW College, Pimpalgaon (B)	Regional
2	I.R. Spectroscopy and its analytical applications	Application of spectroscopic techniques in analytical chemistry	ACS College, Satana	Regional
3	Nanoscience, and Nanochemistry and Nanotechnology	Nanotechnology: Concept, scope and applicatiopns	KK Wagh, ACS College, Nashik	Regional
4	Chemistry of fullerenes	Modern Trends in Chemistry	ASC College, Saikheda	Regional
5	Chaired session	Trends in nanomaterial	Chandmal Tarachand Bora College, Shirur	National
6	Nanoscience and Technology	Nanoscience	AC&S College, sinnar	State level
7	Application of spectroscopy	Application of stereochemistry and Spectroscopic techniques in organic chemistry	AC&S College, Satana	Regional
8	Application of NMR Spectroscopy in structure determination	Modern trends in spectroscopic techniques and importance of semimicroanalysis	KVN Naik, AC&S College, Nashik	Regional
9	IR Spectroscopy	Organic spectroscopy	K.K.W. College, Pimpalgaon(B)	Regional (Jan. 17, 2011)

10	Nanoscience and Technology	Workshop on Nanotechnology	K.S.K.W.Arts and Commerce College, Cidco, Nashik	Regional (Jan. 21, 2011)
11	Green Chemistry	Green Chemistry	A.S and C. College, Rajur	Regional (Feb. 10, 2011)
12	Nanotechnology	Nanoscience and Chemistry	K.P.G. A.C & S. College, Igatpuri	Regional (Feb. 11, 2011)
13	Infra-red spectrscopy	Spectroscopic techniques and their applications	A. C. & S College, Lasalgaon	University
14	Lecture series on Nanoscience	Nanotechnology	A.S.& C. College, Saikheda	University
15	Synthesis of Novel Heterocycles and Functionalization of Fullerene[C60] for Biological and Photonic Applications	Faculty and Ph. D. students meet at Ph. D. viva	Dept. of Chemical Inorganica y Organica, Univesitat Jaume I, Spain	International
16	Nanotechnology	Training to Highschool Teachers	State science education Institute, Nagpur	State
17	Laboratory safety	Development of laboratory skill in non-teaching staff of various colleges	L.V.A.S & Science College, Panchavati, Nashik	University
18	Current trends in chemistry	Application of Synthetic Chemistry	A. C & S. College, Dindori	State
19	Research opportunities in India and abroad	Work-shop for UG and PG students	ACS College, Dindori	University
20	Nanoscience and Human health	Nano-Teachnology and Human Health	KPG, AC&S College, Igatpuri	State level
21	Nanoscience , Nanochemistry and Nanotechnology	New trends in modern chemistry	AC&S College, Kalwan	State level
22	Fun with Chemistry	Science camp (INSPIRE)	KTHM College, Nashik	State level
23	Chemistry with experiment	Maharashtra Olympiad movement district level nurturance camp	Maharashtra Olympiad Movement	state

24	Chairperson of the session	Recent trends in chemical & Environmental Sciences	S. N. Arts, Commerce and Science College, Sangamner	International
25	Design, Synthesis and Photophysical Properties of Fullerene-Maleimide Dyads.	New research trends in chemistry and Its application in environmental chemistry	Arts, Commerce and Science College, Chandwad	State
26	Fullerene [C60] : Discovery & applications	Recent development and future challenges in chemical sciences.	ACS College, Nandgaon	State
27	UV and Visible Spectroscopy	New Horizons in determination of structure in Chemistry	KAS, ACS College, Satana	state
28	Spectroscopic study of Organic Compounds	Spectroscopy as an analytical tool.	ACS College, Nampur.	state
29	Nanoscience (nanochemistry) and Nanotechnology.	CEP Course on Application of Nanosize Ingredients in Solid Rocket Propellants	ACEM, DRDO, Nashik 26-12-2018	