	BIO-DA	ТА				
Name	Dr. Savita Kha	are				
Designation	Professor					
Educational Qualifications	M.Sc., M.Phil	. & Ph.D.				
Date of Birth	20 th July 1963					
Address	Official School of Chemical Sciences					
		Takshashila Campus				
		Devi Ahilya Vishwavidyalaya				
		Indore (M.P.) Pin- 452 001				
	Residential	House No. E-15 RRCAT Colony,				
		Indore (M.P.) 452013				
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Contact Details	Office	(731) 2460208				
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	Mobile	(+91) 9407164882				
Academic Profile	Lecturer	: 1990-1995				
		er: 1995-2000				
	Reader : 2000-2008					
	Professor : 2000-2000					
Administrative Profile	Member of Board of Studies, D. A. University, Indore					
	 In charge of SC/ST Fellowship 					
	Member of Anti–Ragging Committee					
Awards/Fellowships/Recognition	• M. P. Young Scientist" Award by MAPCOST,					
	Bhopal (M.P.) (1990)					
		of Appreciation" from American				
	Chemical Society, Publications for valuable					
Research Area	Contribution (2011) Research interest includes the synthesis of homogeneous					
		eneous catalysts of transition metal				
	-	nechanistic studies of oxidation reaction				
	viz.epoxidatio					
	*	• •				
	-	catalyzed by transition metal complexes,				
	model studies of metalloenzymes and the development					
	U U	nts for the oxidation of organic molecules.				
	Inorganic ion-exchangers are used as support and Environmental pollution.					
Research Guidance		Annexure I				
	M.Phil.	: 04				
	Ph.D. Awarde	ed : 04				
	Ph.D. Registe	red : 04				

Projects	Annexure II 02		
	02		
Membership of Societies Significant Activities (Invited Talks/ Resource Person/Sessions Chaired/ students achievements etc)	Life member of Indian Science Congress Association (ISCA) Life member of Chemical Research Society of India (CRSI) Life member of Indian Council of Chemists (ICC) Life member of Catalysis Society of India (CSI) Life member of Materials Chemistry (SMC) Synthesis and characterization of α-zirconium phosphate supported transition metal Schiff		
	 base complexes for the oxidation of hydrocarbons, International Conference on"Recent Trends in chemical science", February 15-17, 2018, Jiwaji university, Gwalior (M.P.). Oxidation of Cyclohexene Catalyzed by transition- metal substituted α-titanium arsenate as catalysts, Workshop on Surface Science-2014, March 20-24, 2014, Christian Eminent College, Indore An Overviews of Catalysis in Chemistry, 2015, Gujarati College, Indore Oxidation of Hydrocarbons Catalyzed by Transition Metal Complexes 28th Annual Conference of Indian Council of Chemists (ICC), December, 1-3, 2009, Patan (Gujarat). 		
Research Publications	Annexure III National : 17 International : 14 Conferences/ Seminars/ Workshops : 50 		

Annexure I

Research Guidance

M.Phil. : 04

1. Miss Leen Naik (1991)	:	Oxidation of olefins using Mn (IV) Schiff base Complexes as catalysts.
2. Mrs. Abha Choure (1992)	:	Isolationa, Characterisation and Catalytic behavior of Mn (III) Templet Complexes.
3. Miss Manishi Misra (1992)	:	Synthesis and Characterisation of some Cu (II) Complexes of 2-Arylhydrozono-1- phenylamino butane 1,5 Dione.
4. Miss Vinita Gupta (1993)	:	Synthesis and Characterisation of some Nitro substituted hydrozones.
Ph.D. Awarded : 04		
1. Dr. Sandeep Shrivastava (2002)	:	Hydrocarbon Activation Using Inorganic Ion-exchanger as Catalysts
2. Dr. S.V. Mahajan (2004)	:	Physical, Organic and Metallic Studies of Industrial Wastes: An Inventory and Modelling
3. Dr. Rajendra Chokhare (2012)	:	Epoxidation of Olefins Catalysed by Metal-Salen Intercalated in α-Zirconium Phosphate
4. Dr. Priti Shrivastava (2016)	:	Study on Alkane Oxidation Catalysed by Transition- Metal Supported Heterogeneous Catalysts.
Ph.D. Registered : 04		
Ph. D. Submitted : 01		

Annexure II

S. No.	Name of Funding Agency	Name of The Scheme	Progr am- me Title	Year of Funding	Duration	Amount Sanctioned	Status: Ongoing/Co mpleted
1	C. S. I.R. New Delhi	Hydrocarbon Acivation Using Inorganic Ion-exchanger as Catalysts. (Principle Investigator)		1993	3 Yrs	2, 10,000/-	Complete
2	C. S. I.R. New Delhi	Synthesis, Characterisation, Chromatographic resolution and Electrochemica Studies on N- phenylsulphamayl pyridino- arylazopyrazoles. (Co-Investigator)		1992	4 Yrs	4, 04,295/-	Completed

Annexure III

List of publications of Dr. Savita Khare

- Selective oxidation of ethylbenzene to acetophenone over Cr(III) Schiff base complex intercalated into layered double hydroxide,
 J. S. Kirar and S. Khare,
 Appl. Organometal. Chem., (2018) 4408.
 Impact Factor: 3.581
- Cu(II) Schiff base complex intercalated into layered double hydroxide for selective oxidation of ethylbenzene under solvent-free conditions,
 J. S. Kirar and S. Khare,
 RSC Adv. 8 (2018) 18814.
 Impact Factor: 2.936
- Catalytic liquid phase oxidation of cyclohexane with tert-butylhydroperoxide over transition metal exchanged α-zirconium phosphate, S. Khare, P. Shrivastava, R. Chokhare,
 J. S. Kirar and S. Parashar,
 Indian J. Chem. Sec A, 57 (2018) 427.
 Impact Factor: 0.566
- Oxiadtion of benzyl alcohol in slurry phase over nanoporous ZrV2O7 catalyst and determination of reaction mechanism using DFT.
 S. K. Joshi, N. Sohani, S. Khare, M. S. Batra, R. Prasad, Asian J. Chem. 30 (2018) 1503.
 ISSN: 0975-427X
- Catalytic performance of Metal-Salen intercalated into α-zirconium phosphate in solventfree liquid phase oxidation of cyclohexane
 S. Khare, P. Shrivastava, R. Chokhare, J. S. Kirar, S. Parashar, Journal of Porous Material, 24 (2017) 855.
 Impact Factor: 1.624
- Catalytic oxidation of cyclohexene by α-zirconium phosphate intercalated Mn(Salen) using 70% *tert*-butylhydroperoxide as an oxidant
 S. Khare, P. Shrivastava, R. Chokhare, J. S. Kirar, S. Parashar, Indian Journal of Chemistry, 55A, (2016) 1449.
 Impact Factor: 0.494
- Solvent-free oxidation of cyclohexane over covalently anchored transition-metal salicylaldimine complexes to α-zirconium phosphate using *tert*-butylhydroperoxide S. Khare and P. Shrivastava, Journal of Molecular Catalysis A: Chemical. 411 (2016) 279.
 Impact Factor: 3.93

- Liquid phase solvent-less cyclohexane oxidation catalyzed by covalently anchored transition-metal Schiff base complex on α-titanium phosphate
 S. Khare and P. Shrivastava,
 Catalysis Letters. 146 (2016) 319.
 Impact Factor: 2.799
- Heterogeneous catalyst Mn(salicylaldimine) complex covalently bonded to α-titanium phosphate: Synthesis, characterization and catalytic activity for oxidation of cyclohexane S. Khare, P. Shrivastava, J. S. Kirar and S. Parashar, Indian Journal of Chemistry, 55A (2016) 403.
 Impact Factor: 0.494
- Liquid phase solvent-free oxidation of styrene over iron zirconium phosphate using *tert*butylhydroperoxide as an oxidant.
 S. Khare, R. Chokhare, P. Shrivastava and J. S. Kirar Indian Journal of Chemistry, 54A (2015) 1032.
 Impact Factor: 0.729
- Epoxidation of cyclohexene Catalysed by Homogeneous Fe(Template)C1 Complexes. S. Khare, P. Shrivastava and J. S. Kirar Asian Journal of Chemical and Environmental Research, 6(2013)1.
 ISSN No. :09743049
- Hazardous metals by ICP-AES and their bio-accumulation, correlation and regression. S. V. Mahajan, Savita Khare and V.S. Shrivastava Asian Journal of Chemical and Environmental Research, 5 (2012) 51. [ISSN No.: 09743049]
- 13. Oxidation of cyclohexene catalyzed by Cu(Salen) intercalated α-zirconium phosphate using dry tert-butylhydroperoxide
 S. Khare, R. Chokhare
 Journal of Molecular Catalysis A: Chemical 353–354 (2012) 138.
 Impact Factor: 3.93
- 14. Detection and quantification of organics in ground water by FTIR and GC-MS in and around GIDC, Ankaleshwar.
 S. V. Mahajan, S. Khare and V.S. Shrivastava Asian Journal of Chemical and Environmental Research, 4 (3-4) (2011) 56-62.
 [ISSN No.: 09743049]
- 15. Synthesis, characterization and catalytic activity of Fe(Salen) intercalated α -zirconium phosphate for the oxidation of cyclohexene
 S. Khare, R. Chokhare
 Journal of Molecular Catalysis A: Chemical 344 (2011) 83.
 Impact Factor: 3.93
- Hazardous metals in pesticides industrial wastes and their correlation and regression, S. V. Mahajan, Savita Khare and V.S. Shrivastava Asian Journal of Chemical and Environmental Research, 4 (2011) 20.
 [ISSN No. : 09743049

- 17. Spectrophotometric detection method of micro amount of nitrite in water samples.
 S. Khare V. S. Shrivastava and S.V. Mahajan Journal of Environmental Research and Development, 3 (4) (2009) 1164.
 Impact Factor: 0.607
- Study of Manganese (II) supported Titanium Tungstate as catalyst for epoxidation of cyclohexene with dry TBHP.
 S. Khare and Rajendra Chokhare Journal of Environmental Research and Development, 2(4) (2008) 537.
 Impact Factor: 0.607
- 19. Epoxidation of cyclohexene Catalysed by Mn(II) supported on α-titanium arsenate as catalyst and dry TBHP as an oxidant,
 S. and S. Shrivastava,
 Journal of Indian Chemical Society, 83 (2006) 813.
 Impact factor: 0.192
- 20. Epoxidation of cyclohexene catalysed by α- ZrCr(III)P with dry TBHP as an Oxidant, (Full Paper)
 S. Khare and R. Chokhare,
 Proc. National Conference on Chemical Engineering and Environment: Current Trends And Issues (NCCEECTI), (2006)172.
- A Correlation and Regression Study,
 S. V. Mahajan, S. Khare and V.S. Shrivastava,
 Indian Journal of Environmental Protection, 25(3) (2005), 254.
 Impact factor-5.56
- Effect of industrial waste on clay minerals; XRD and SEM analysis, S.V. Mahajan, S. Khare and V.S. Shrivastava and, Material Science Research India, 3(1) (2005) 75.
 Impact factor: 0.789
- A Statistical Study on the Physico-chemical Characteristics of Industrial wastewater, S. V. Mahajan, S. Khare and V.S. Shrivastava, International Journal of Chemical Science, 3 (2005) 221.
 Impact factor: 1.895
- 24. Synthesis, Characterization and Evaluation of TiRu(III)W for Epoxidation of Cyclohexene,
 S. Shrivastava, S. V. Mahajan and S. Khare,
 Oriental Journal of Chemistry, 20(2004), 611.
 [ISSN No. : 0970-020X]
- 25. Epoxidation of cyclohexene catalyzed by transition-metal substituted α-titanium arsenate using *tert*-butylhydroperoxide as an oxidant,
 S. Khare and S. Shrivastava,
 Journal of Molecular Catalysis A: Chemical, 217 (2004), 51.
 Impact Factor: 3.93

- 26. Epoxidation of olefins using a CrO3/TBHP system, D. D. Agarwal, S. Shrivastava, and P. Chaddah, Polyhedron, 4 (1990) 487.
 Impact factor: 2.067
- 27. Epoxidation of olefins catalysed by Fe(III) schiff base complexes as catalyst, D. D. Agarwal, R. Jain, R. P. Bhatnagar and S. Shrivastava, Journal of Molecular Catalysis, 59(1990), 385.
 Impact factor: 2.874]
- Epoxidation of olefins catalysed by Mn(III) schiff base complexes as catalysts, D. D. Agarwal, R. Jain, R. P. Bhatnagar and S. Shrivastava, Journal Chemical Society Perkins Trans-II, 989(1990).
 Impact factor: 2.874
- 29. Synthesis and characterisation of some peroxo complexes of zirconium, D. D. Agarwal, R. Jain, R. P. Bhatnagar and S. Shrivastava, Polyhedron, 9 (1990) 1405.
 Impact factor: 2.067
- 30. Synthesis, characterization and catalytic behaviour of thorium peroxo complexes, D. D. Agarwal, S. Shrivastava and P. Chaddah, Polyhedron, 9 (1990) 1401
 Impact factor: 2.067
- 31. Synthesis of some cis-dioxomolybdenum complexes and their use in the epoxidation of olefins,
 D. D. Agarwal, S. Shrivastava,
 Polyhedron, 7 (1988), 2569.
 Impact factor: 2.067