

DEPARTMENT OF CHEMISTRY
SAURASHTRA UNIVERSITY, RAJKOT

List of BSR Fellows, Who Availed UGC Fellowship from 2007 Onwards

Sr. No.	Name of Students	Sr. No.	Name of Students
1	Ravi S. Chaniyara	15	R. M. Ghetiya
2	Sachin G. Modha	16	V. B. Audichya
3	Bharat S. Savaliya	17	H. O. Kaila
4	Sandip K. Matariya	18	L. D. Joshi
5	Amit R. Trivedi	19	P. B. Vekariya
6	Mehul P. Bhatt	20	A. B. Patel
7	B. L. Dodiya	21	P. V. Pipaliya
8	A. J. Bavishi	22	PoojaAdroja
9	R. S. Thakkar	23	DhairyaBhavsar
10	H. K. Vala	24	Anita Sharma
11	D. K. Dodiya	25	A. K.Radadiya
12	R. V. Gajera	26	G. P. Pandya
13	K. A. Joshi	27	S. P. Gami
14	A. S. Patel		

DEPARTMENT OF CHEMISTRY
SAURASHTRA UNIVERSITY, RAJKOT

List of Papers Published by BSR Fellows From 2007 Onwards

Sr. No.	Title of the paper, journal's name, volume , page No. and year	Name of the fellow	Name of the Supervisor
1	Design, synthesis and antitumor evaluation of phenyl N-mustard-quinazoline conjugates. <i>Bioorganic & Medicinal Chemistry</i> . 2011. (In press)	Ravi S. Chaniyara	Anamik Shah
2	Novel Bifunctional Alkylating Agents, 5,10-Dihydropyrrolo[1,2-b]isoquinoline Derivatives, Synthesis and Biological Activity. <i>Bioorganic & Medicinal Chemistry</i> . 19, 275-286, 2011.	Ravi S. Chaniyara	Anamik Shah
3	Synthesis of some novel benzofuran-2-yl(4,5-dihydro-3,5-substituted diphenylpyrazol-1-yl)methanones and studies on the antiproliferative effects and reversal of multidrug resistance of human MDR1-gene transfected mouse lymphoma cells in vitro. <i>European Journal of Medicinal Chemistry</i> , 2011. (In press)	A. J. Bavishi, H. K. Vala	Anamik Shah
4	Synthesis and biological evaluation of 4-Styrylcoumarin derivatives as inhibitors of TNF- α and IL-6 with anti-tubercular activity. <i>Bioorganic and Medicinal Chemistry Letters</i> . 2011. (Inpress)	A. J. Bavishi, H. K. Vala, DhairyaBhavsar	Anamik Shah
5	An efficient and rapid synthesis of highly functionalized novel symmetric 1,4-dihydropyridines using glacial acetic acid as solvent. <i>Synthetic Communications</i> . 2011. (In press)	A. J. Bavishi, H. K. Vala, DhairyaBhavsar	Anamik Shah
6	A stability-indicating high performance liquid chromatographic assay method for the simultaneous determination of atenolol and lercanidipine hydrochloride in tablets. <i>Indian J. Pharm. Sci.</i> , 2011. (In press)	H. O. Kaila, R. S. Thakkar,	Anamik Shah
7	A simple and rapid ultra-performance liquid chromatographic assay method for the simultaneous determination of aspirin, clopidogrelbisulphate and atorvastatin calcium in capsule dosage form. <i>International J Chem Tech Research</i> , 2011, 3(1): 459-465.	H. O. Kaila	Anamik Shah
8	Development and validation of a reversed-phase ultra-performance liquid	H. O. Kaila, R. S. Thakkar,	Anamik Shah

	chromatographic method for the simultaneous determination of six drugs used for combined hypertension therapy. <i>JAOAC International</i> . 2011.(In press)		
9	A new improved RP-HPLC method for the assay of rosuvastatin calcium in tablets. <i>Indian J. Pharm. Sci.</i> ,2011 (In Press)	H. O. Kaila, R. S. Thakkar,	Anamik Shah
10	An isocratic ion pair method for quantification of valproic acid and its related impurities by ultra performance liquid chromatography, <i>Indian J. Pharm. Sci.</i> , 2011 (In Press).	R. S. Thakkar, H. O. Kaila,	Anamik Shah
11	Ultra performance liquid chromatographic method for simultaneous determination of nine most pertinent antipsychotic molecules, <i>Chromatographia</i> 2011. (In Press)	R. S. Thakkar, H. O. Kaila	Anamik Shah
12	A Stability –indicating HPLC Method for Assay of Lercanidipine Hydrochloride in Tablets and for Determining Content Uniformity. <i>Indian Journal of Pharmaceutical Sciences</i> 72(3),381-384,(2010)	H. O. Kaila, R. S. Thakkar	Anamik Shah
13	Catalyst-Free, Rapid Synthesis of Fused Bicyclic thiazolo-Pyrimidine and Pyrimido-thiazine Derivatives by a Microwave Assisted Method. Phosphorous, Sulphur and Silicon (Taylor and Francis group) 184, 1, 34-44. 2009.	Bharat S. Savalia,	Anamik Shah
14	Synthesis and physicochemical study of high performance ether-sulfonate copolymer. <i>Polym. Plast. Technol. And Engg.</i> 2011. (In Press)	SandipK.matariya	P. H. Parsania.
15	Physico-chemical study of CPOL-701–glass/jute composites. <i>Polym. Plast. Techno. Engg.</i> 49(5), 449-453,2010.	Pooja P. Adroja	P. H. Parsania.
16	Ultrasonic velocity and related acoustical parameters of 2,(2-4-dinitrophenoxy)-1-[2,4-dinitrophenoxy)naphthalene-1-yl] naphthalene solutions at 350C. <i>J. Ind. Chem. Soc.</i> 87,679-683, 2010.	Pooja. P. Adroja	P. H. Parsania.
17	Synthesis, curing behavior and characterization of epoxyacrylate and triethylamine cured epoxy resin of 1,1'-bis(3-methyl-4-hydroxyphenyl) cyclohexane, <i>Polym. Plast. Technol. And Engg.</i> , 50,52-58,2011.	Pooja P. Adroja	P. H. Parsania.
18	Use of renewable resources in making composites and their physico-chemical study, <i>J. Reinf. Plast. and Compos.</i> ,30(2), 161-	Pooja P. Adroja	P. H. Parsania.

	168, 2011.		
19	Ultrasonic speed and related acoustical parameters of 1, 1'-binaphthene-2-2'-diyl-diacetate solutions at 308.15K, <i>E-journal of Chemistry</i> . 8(2), 762-766, 2011.	Pooja P. Adroja	P. H. Parsania.
20	Preparation, mechanical and electrical properties of glass and jute-epoxy/epoxy polyurethane composite, <i>Polym. Plast. Technol. And Engg.</i> 2011. (In Press)	Pooja P. Adroja	P. H. Parsania.
21	Syntheses and a comparative physico-chemical study of cardo epoxy isophthalate/terephthalate polyester, <i>Journal of Polymer materials</i> . 2011. (In Press)	Pooja P. Adroja	P. H. Parsania.
22	Syntheses and a comparative physico-chemical study of epoxy-polyester polyols, <i>Journal of Polymer materials</i> . 2011. (In Press)	Pooja P. Adroja	P. H. Parsania
23	Synthesis and characterization of cardobisbenzoxazines and their thermal polymerization, R. M. Ghetiya, <i>Polym. Plast. Techno. Engg.</i> , 47 (8), 836-841 (2008).	R. M. Ghetiya	P. H. Parsania
24	Synthesis and physico-chemical characterization of thermosetting material via ring opening polymerization of bisoxazine, <i>J. Polym. Mater.</i> 25(1), 119-126 (2008).	R. M. Ghetiya	P. H. Parsania
25	Synthesis, Antitubercular and Antimicrobial Biological Evaluation of Pyrazoline derivatives, <i>Journal of the Serbian Chemical Society. "International journal of chemtech research"</i> 3(2), 967-974, 2011.	B. L. Dodiya, R. M. Ghetiya, K. A. Joshi, P. B. Vekariya	H. S. Joshi
26	Synthesis of oxadiazoles and pyrazolones nucleus as antimycobacterial and antimicrobial agents, <i>Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry</i> . 50B, 738-744, 2011.	R. M. Ghetiya, B. L. Dodiya, K. A. Joshi	H. S. Joshi
27	Development and validation of a stability indicating UPLC method for determination of ticlopidine hydrochloride in its tablet formulation" <i>Saudi Pharmaceutical Journal</i> , 19, 159-164, 2011.	B. L. Dodiya	H. S. Joshi

28	Synthesis and antimicrobial activity of some new 1,3,4-thiadiazoles and 1,3,4-thiadiazines containing 1,2,4 triazolo nucleus, <i>Actachim. Slov.</i> 58, 53-59, 2011.	B. L. Dodiya, R. M. Ghetiya, P. B. Vekariya	H. S. Joshi
29	Development and Validation of a Stability indicating HPLC Assay Method for Determination of Ticlopidine Hydrochloride in Tablet Formulation, <i>International Journal of ChemTech Research</i> , 3(1), 192-198, 2011.	B. L. Dodiya	H. S. Joshi
30	Spectrophotometric method Development and Validation for Determination of Ticlopidine hydrochloride in tablet formulation, <i>International Journal of Pharmacy and Technology</i> , 3(1), 1338-1345, 2010.	B. L. Dodiya	H. S. Joshi
31	Synthesis and antimicrobial activity of some new benzo[b]thiophene incorporated hydroquinolines, <i>Indian journal of heterocyclic chemistry</i> , 20, 21-24, 2010	B. L. Dodiya, K. A. Joshi, R. M. Ghetiya, P. B. Vekariya	H. S. Joshi
32	Synthesis and Spectrophotometric studies of Mn (II)-HMCNP complex and their use as an analytical reagent, <i>Analytical chemistry: An Indian Journal</i> 8(4), 424-429, 2009.	K. A. Joshi	H. S. Joshi
33	Synthesis and Spectrophotometric studies of Ni (II)-HMCP complex and their use as an analytical reagent, <i>Analytical chemistry: An Indian Journal</i> 8(4), 430-435, 2009.	B. L. Dodiya	H. S. Joshi
34	Synthesis and Spectrophotometric studies of Zn (II)-HMCP complex and their use as an analytical reagent. <i>Analytical Chemistry: An Indian Journal</i> , 8(2), 145-149, 2009.	K. A. Joshi	H. S. Joshi
35	Spectrophotometric and Synthesis study of complexation of Cu (II) with 1-(4'-hydroxy-8'-methyl coumarin-3'-yl)-3-o-nitrophenyl-2-propene-2-one, <i>Analytical Chemistry: An Indian Journal</i> , 8(2), 150-154, 2009.	K. A. Joshi	H. S. Joshi
36	Synthesis and antimicrobial activity of new cyanopyridine and cyanopyrans towards Mycobacterium tuberculosis and	K. A. Joshi	H. S. Joshi

	other microorganisms, <i>Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry</i> , 48B(6), 833-839, 2009.		
37	Synthesis of some new dihydropyrimidines by iodine as a catalyst at ambient temperature and evaluation of their biological activity, "journal of heterocyclic chemistry", 2011. (In Press)	R. M. Ghetiya, B. L. Dodiya, P. B. Vekariya	H. S. Joshi
38	Synthesis and biological study of some new chalcones and oxopyrimidines containing imidazo[1,2-a]pyridine nucleus, "journal of heterocyclic chemistry", 2011. (In Press)	P. B. Vekariya, B. L. Dodiya, R. M. Ghetiya	H. S. Joshi
39	Synthesis and biological study of some new chalcones and pyrazoles derivatives Indian journal of chemistry section-B. 2011. (In Press)	P. B. Vekariya, B. L. Dodiya, R. M. Ghetiya	H. S. Joshi
40	Synthesis and biological evaluation of 4-aryl-3-methyl-1-phenyl-4,4a-dihydro-6H-pyrazolo[3,4-d]-1,3-thiazolidino[3,2-a]pyrimidine-5-ones, <i>Organic Chemistry</i> , 3(4), 180-184, 2007.	Amit. R. Trivedi	V. H. Shah
41	Synthesis and biological studies of pyrazolo[3,4-d]pyrimidines, <i>International Journal of Synthesis and Characterization</i> . 1(1), 67-72, 2008.	Amit. R. Trivedi	V. H. Shah
42	Synthesis, characterization and biological screening of some new 2-pyrazolin-5-ones, <i>International Journal of Synthesis and Characterization</i> . 1(1), 113-118, 2008.	Amit. R. Trivedi	V. H. Shah
43	Synthesis of some substituted Indolylazetidinones and Indolylthiazolidinones, <i>International Journal of Synthesis and Characterization</i> . 1(1), 97-100, 2008.	Amit. R. Trivedi	V. H. Shah
44	Synthesis and biological screening of some novel pyrazolo[3',4':4,5]thieno[2,3-d]pyrimidin-8-ones via Gewald reaction, <i>ARKIVOC</i> . 12, 1-8, 2008.	Amit R. Trivedi, Dipti K. Dodiya	V. H. Shah
45	Simple and efficient synthetic routes to bioactive s-triazinyldithiocarbamate derivatives, <i>Medicinal Chemistry Research</i> , 14 th Feb. 2008, DOI:	Amit R. Trivedi, Dipti K. Dodiya	V. H. Shah




	10.1007/s00044-008-9093-4.		
46	Design, synthesis, characterization and antitubercular activity of some 2-heterocycle-substituted phenothiazines. <i>ARKIVOC.</i> 2, 210-217, 2008.	Amit. R. Trivedi	V. H. Shah
47	Synthesis and biological evaluation of some new pyrimidines via a novel chalcone series. <i>ARKIVOC</i> , (xi), 131-141, 2008.	Amit R. Trivedi, Dipti K. Dodiya	V. H. Shah
48	Synthesis and biological screening of some novel pyrazolo[3',4':4,5]thieno[2,3-d]pyrimidin-5-ones via a Gewald reaction, <i>J. Serb. Chem. Soc.</i> , 73(7), 683-690, 2008.	Amit R. Trivedi, Dipti K. Dodiya	V. H. Shah
49	Facile one pot synthesis and antimycobacterial evaluation of pyrazolo[3,4-d]pyrimidines, <i>Archiv der Pharmazie.</i> 341(7), 435-439, 2008.	Dipti K. Dodiya, Amit R. Trivedi	V. H. Shah
50	Synthesis and biological screening of some novel pyrazolo[3,4-d]pyrimidines. <i>Indian Journal of Heterocyclic Chemistry</i> , 18(1), 9-12. 2008	Dipti K. Dodiya,	V. H. Shah
51	Novel dihydropyrimidines as a potential new class of antitubercular agents, <i>Bioorganic & Medicinal Chemistry Letters.</i> 20, 6100-6102, 2010.	Amit R. Trivedi, Dipti K. Dodiya	V. H. Shah
52	Synthesis and antimycobacterial evaluation of various 6-substituted pyrazolo[3,4-d]pyrimidine derivatives. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 25, 893-899, 2010.	Amit R. Trivedi, Dipti K. Dodiya	V. H. Shah
53	Synthesis and Biological Evaluation of Some Novel 1,4-Dihydropyridines as Potential Anti-Tubercular Agents, <i>Chemical Biology & Drug Design</i> , 78, 5, 2011.	Amit R. Trivedi, Dipti K. Dodiya	V. H. Shah
54	Synthesis and biological evaluation of some novel N-aryl-1,4-dihydropyridines as potential antitubercular agents, <i>Bioorganic & Medicinal Chemistry Letters</i> , 21, 18, 5181-5183, 2011.	Amit R. Trivedi, Dipti K. Dodiya	V. H. Shah
55	Solubility of Enrofloxacin drug in different solvents at various temperatures". <i>J. Chem. Eng. Data</i> , 53, 2897-2899. 2008.	Mehul Bhatt, Ravi Gajera	ShipraBaluja

56	Solubility of Difloxacin in acetone, methanol and ethanol from (293.15 to 313.15) K". <i>J. Chem. Eng. Data</i> , 54, 1091-1093, 2009.	Ravi Gajera, Mehul Bhatt	ShipraBaluja
57	Synthesis and ultrasonic studies of some dihydropyrimidines in different solvents at 298.15 K. <i>Int. J. Appl. Chem.</i> , 5, 47-55 2009	Ravi Gajera	ShipraBaluja
58	The Solution heat and conductance of some azomethinesnon water solutions at 308 K. <i>Russ. J. Phys. Chem.</i> , 83, 2230-2232, 2009.	Mehul Bhatt	ShipraBaluja
59	Dissociation constant of some derivatives of 5-aminobenzoic acid in mixed solventby Calvin Bjerrum pH titration method". <i>Prajna-J. Pure Appl. Sci.</i> , 17, 65-67, 2009.	MehulBhatt	ShipraBaluja
60	Solubility of cholesterol in some alcohols from 298.15 to 318.15 K". <i>Scho. Res. Lib.</i> , 1,263-270. 2009.	Ravi Gajera, Mehul Bhatt	ShipraBaluja
61	Solubility of Ofloxacin in 1,2-dichloromethane, chloroform, carbon tetra chlorideand water from (293.15 to 313.15) K". <i>J. Chem. Eng. Data</i> , ,55 , 956–958 2010.	Ravi Gajera, Mehul Bhatt	ShipraBaluja
62	Solubility of biologically active chalcones in 1, 4 - dioxane and N, N dimethyl formamide from (298.15 to 318.15) K". <i>J. Chem. Eng.Data</i> , 2010, 55 , 574–577, 2010.	Ravi Gajera	ShipraBaluja
63	Solubility of 5-amino Salicyclic Acid in different solvents at various temperatures". <i>J. Chem. Eng. Data</i> , 55, 1453-1455, 2010	Ashish Patel, Ravi Gajera	ShipraBaluja
64	Synthesis and antibacterial screening of 1,6-dihydropyrimidine derivatives". <i>Scho. Res. Lib.</i> , 2, 72-78, 2010	Ravi Gajera, Ashish Patel	ShipraBaluja
65	Acoustical properties of some Schiff base solutions in DMF". <i>Latin Am.Appl. Res.</i> , 40, 249-254 (2010).	Ravi Gajera	ShipraBaluja
66	Adiabatic Compressibilities of some synthesized derivatives of dihydropyrimidines in N, N-Dimethylformamide and Dimethyl sulfoxide at 298.15 K". <i>Russ. J. Phys. Chem.</i> , 85, 1-5, 2010.	Ravi Gajera,	ShipraBaluja
67	Study of molecular interactions of	Ravi Gajera	ShipraBaluja

	Loperamide drug in different Solvents at 308.15 K. <i>Res. J. Pharma. Bio. Chem. Sci.</i> , 1, 67-74, 2010.		
68	Synthesis and antibacterial activity of some chalcones. <i>J. Ind. Chem. Soc.</i> 87, 637-642, 2010.	Mehul Bhatt, Ravi Gajera	ShipraBaluja
69	Determination of some thermodynamic parameters of Dihydropyrimidine derivatives by dissociation constant, <i>Russ. J. Phys. Chem.</i> , 8, 1-3. 2011.	Ravi Gajera	ShipraBaluja
70	Density and Refractive index of some dihydropyrimidines derivatives in DMF and DMSO at 298.15 K. <i>Phys. Chem. An Ind. J.</i> 2009. (In press)	Ravi Gajera	ShipraBaluja
71	Synthesis, characterization and antibacterial activity of some thiazolidinones. <i>J. Chem. Pharma, Sci.</i> , 2009. (In press)	Mehul Bhatt, Ravi Gajera,	ShipraBaluja
72	Synthesis and antibacterial activity of some synthetic compounds derived from of sulphanilamide and 6-ethyl benzene-1,3-diol. <i>J. Chem. Bio. Phy. Sci.</i> , 1A, 169 - 178, 2011	Ashish Patel	ShipraBaluja
73	Schiff bases-Synthesis, characterization and antibacterial study". <i>Res. J. Pharma. Bio. Chem. Sci.</i> , Vol. 2(4), 296-304, 2011.	Ashish Patel	ShipraBaluja
74	Water Mediated Parallel Synthesis of <i>N</i> -Arylmethylene-4,5,6,7-tetrahydro-2Hindazole-3-carbohydrazide Library. <i>E-Journal of Chemistry</i> , 2010. (In press)	A. S. Patel, V. B. Audichya, P. V. Pipaliya	Y. T. Naliapara
75	Water Mediated Construction of trisubstitutedpyrazoles/isoxazoles library using ketene dithioacetals. <i>Journal of Combinatorial Chemistry</i> 12, 176–180, 2010.	A. S. Patel, V. B. Audichya, P. V. Pipaliya	Y. T. Naliapara
76	Synthesis of some novel trifluoromethylatedtetrahydropyrimidines using etidronic acid and evaluation for antimicrobial activity. <i>Der PharamciaLettre</i> , 1 (2), 277-285, 2009	A. S. Patel, V. B. Audichya, P. V. Pipaliya	Y. T. Naliapara
77	Synthesis, characterization, crystal and molecular structure analysis of 2,6-dimethy-3-acetyl-5-carbomethoxy-4-phenyl-1,4-dihydropyridine. <i>Journal of Chem. Crystallography</i> , 2010 Doi; 10.1007/s10870-010-9.	AmitTrivedi	Y. T. Naliapara, A. K. Shah

DEPARTMENT OF CHEMISTRY
SAURASHTRA UNIVERSITY, RAJKOT

List of Faculties, Who availed UGC One Time Block Grant for Research

Sr. No.	Name of the Faculty	Designation	Amount, Rs	Photo
1	Dr. P. H. Parsania	Prof. & Head	7 Lakhs	
2	Dr. Anamik K. Shah	Professor	7 Lakhs	
3	Dr. V. H. Shah	Professor	7 Lakhs	
4	Dr. H. S. Joshi	Professor	7 Lakhs	