

PATENTS OF THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

Pharmacy Department, Faculty of Tech & Engineering

Sr. No.	Title/Details of the Patent	Author(s)	Faculty/ Department	Registration/A pplication No., Year
1.	3-Benzazepin-2-one derivatives as 5-HT _{2C} receptor agonists and the process for their preparation	Prof.Yadav M.R., Mahesh Shidore, JatinMachhi and PrashantMurumkar	Technology & Engineering Pharmacy Department	Indian patent, Appl./959/MUM/ 2015
2.	Gemini amphiphile based formulations and their method of preparation for polynucleotide delivery	Prof.Yadav M.R., Kumar M. and Prof.Misra A.N.	Technology & Engineering Pharmacy	Indian patent, Appl./1828/MUM /2013
3.	Benzimidazolyl, benzoxazolyl and 2-pyridylimidazolyl derivatives as potential anticancer agents and the process for their preparation	Prof.Yadav M.R., Srinivasan B.P., Yogishkumar H. and Pawar V.A.	Technology & Engineering Pharmacy	Indian patent, Appl./192/MUM/ 2013
4.	Piperazinyllalkyl esters and the salts of some NSAIDs for improved percutaneous delivery and the process for their preparation	Prof.Yadav M.R. and Pawar V.A.	Technology & Engineering Pharmacy	Indian patent, Appl./MUM/201 2
5.	Quaternary ammonium 8-methyl-8azabicyclo[3.2.1]octan-3-yl esters as muscarinic receptor antagonists and their method of preparation	Yadav M.R. Pawar V.A. and Huchanna Y.K.	Technology & Engineering	Indian patent, Appl./MUM/201 2
6.	4-Amino-2-piperazinoquinazoline derivatives as potential antihypertensive agents and their method of preparation	M.R.Yadav, P.R.Naik and R.Giridhar	Technology & Engineering Pharmacy	Indian Patent, Appl./253/MUM/ 2012
7.	2-Substituted 4-amino-6,7-dimethoxyquinazolines as dual acting antihypertensive agents and the process for their preparation	M.R.Yadav, R.Giridhar and Prashant P. Naik	Technology & Engineering Pharmacy	Indian Patent, Appl./3412/MUM /2011 (Under Physical Examination)
8.	Benzazepine derivatives and the process for their preparation	R. Giridhar, M.R.Yadava nd A. Verma	Technology & Engineering Pharmacy	Indian Patent, Appl./3480/MUM /2010
9.	4-(Arylthia)-16 -cyano-17-oxo-4-	M.R.Yadav, P.M.	Technology &	Indian patent,

	androst-3-ones, reduced derivatives 17-ols and the process for their preparation	Sabale, P.R.Murumkar and R.Giridhar	Engineering Pharmacy Technology & Engineering	Appl./3309/Mum/2010 (Under Physical Examination)
10.	Some polar diquaternary Gemini amphiphiles and the process for their preparation	M.R.Yadav , M. Kumar and A.N.Misra	Technology & Engineering Pharmacy	Indian patent, Appl./2633/Mum/2010
11.	1-Aryl-2-imidazolidinones as potential TACE Inhibitors and the process for their preparation	M.R.Yadav , Shirshendu DasGupta and R.Giridhar	Technology & Engineering Pharmacy	Indian patent, Appl./2469/Mum/2008
12.	Trisiprofloxacinatobismuth and the Process for its Preparation	M.R.Yadav , Anwar R. Shaikh and R. Giridhar	Technology & Engineering Pharmacy	Indian Patent, Appl./1449/Mum/2007
13.	A Process for the preparation of 3-[o-m-p Mono/Disubstituted phenyl]-4-[o/p-substituted phenyl] Furazans and Furoxans	M.R.Yadav , R.Giridhar and Hetal B. Prajapati	Technology & Engineering Pharmacy	Indian Patent, Appl./109/Mum/2004
14.	A Process for the Preparation of Biscurcumino-oxvanadium(iv)	M.R.Yadav , R.Balaraman and R.Giridhar	Technology & Engineering Pharmacy	Indian Patent, No. 191025 dated 24.09.2001
15.	Oral Compositions And Processes For Preparing Different Dosage Forms Comprising Of Controlled Release Multi Unit Particulate System	MUNDADA PIYUSH KISHOR, MUNDADA VEENU PIYUSH, DR. (MRS.) SAWANT KRUTIKA KHANDERAO	Technology & Engineering Pharmacy	Indian Patent, No. 1625/MUM/2014 dated 12.05.2014
16.	Liposomal Dry Powder Inhaler (Ldpi) Of Azithromycin	HetalParesh Thakkar, Thakor, SunilkumarPratapsinh, Shrivastava, Praveen Kumar	Technology & Engineering Pharmacy	Application number 2542/MUM/2015
17.	Intra Vaginal Ring (IVR) Bearing Dehydrated Rehydrated Vesicles (DRV) Loaded With Raloxifene Hydrochloride And Leuprolide Acetate	HetalParesh Thakkar, Patel ArpitaAshokbhai	Technology & Engineering Pharmacy	Application number 2507/MUM/2015
18.	Process of preparing stable phospholipids formation in injectable form essliver injection	NabrosPharma Pvt. Ltd. AmbikanandanMisra	Technology & Engineering Pharmacy	615/MUM/2004 Granted: 20/02/2007 Patent No: 204070
19.	Parenteral Formulations	M.R. Bajaj, R.S. Samant, B.B. Shah, and AmbikanandanMisra	Technology & Engineering Pharmacy	1140/MUM/2004 Granted: 16/06/2009 Patent No: 234470

20.	Drugs Loaded Nasoadhesive Microemulsions For Brain Targeted Brosk Delivery In Acute Epilepsy	Ambikanandan Misra, Tushar K Vyas	Technology & Engineering Pharmacy	1061/MUM/2004
21.	Sedatives Loaded Intranasal Nasoadhesive Microemulsions For Brain Targeted Delivery In Insomnia	Ambikanandan Misra, Tushar K Vyas	Technology & Engineering Pharmacy	1124/MUM/2004 Granted: 31/03/2011 Patent No: 245846
22.	Drugs Loaded Intranasal Nasoadhesive Microemulsions For Brain Targeted Delivery In Migrane	Ambikanandan Misra, Tushar K Vyas	Technology & Engineering Pharmacy	1125/MUM/2004 Granted: 04/02/2011 Patent No: 247325
23.	Engineered Monodisperse Inhalation Powders for Effective Treatment of Lung Diseases.	Ambikanandan Misra, Bijay Kumar Padhi, Mahavir Bhupal Chougule	Technology & Engineering Pharmacy	228/MUM/2005
24.	A process for synthesis of oxidized Guargum for use as disintegrants.	Ambikanandan Misra, T. Mahesh kumar	Technology & Engineering Pharmacy	295/MUM/2002
25.	A process for modified technique of chemical synthesis of Carboxymethyl – Guargum for aqueous film coating of pharmaceuticals	. Ambikanandan Misra, T. Maheshkumar	Technology & Engineering Pharmacy	296/MUM/2002
26.	Enhancement of Pulmonary Therapeutic Index of Drugs from Dry Powder Inhaler Formulations.	Ambikanandan Misra, Mahavir Bhupal Chougule, Bijay Kumar Padhi	Technology & Engineering Pharmacy	648/MUM/2005
27.	Aerodynamically light porous dry powder inhaler formulations for targeted pulmonary deposition	Ambikanandan Misra, Mahavir Bhupal Chougule, S. Ganesh, Bijay Kumar Padhi	Technology & Engineering Pharmacy	953/MUM/2006
28.	Ageing And Weight Control By Nose To Brain Drug Delivery	Ambikanandan Misra, Gitanjali Sharma	Technology & Engineering Pharmacy	1649/MUM/2007
29.	Preparation of solid lipid Nanoparticles by Supercritical fluid technology	Ambikanandan Misra, Deepa Patel, Gaurang Patel, Sachin Naik	Technology & Engineering Pharmacy	390/MUM/2008
30.	Preparation of Dry liposomes By supercritical fluid technology	Ambikanandan Misra, Sachin Naik, Yogesh Raichandani, Nazzneen Surti	Technology & Engineering Pharmacy	133/MUM/2008
31.	Preparation of Amphotericin B liposomes by supercritical fluid technology	Ambikanandan Misra, Nirav Parmar, Sachin Naik, Gaurang Patel		391/MUM/2008

32.	Liposomal Amphotericin B formulations for nasal and sinus fungal infections	AmbikanandanMisra, ChudiwalSwapnil S	Technology & Engineering Pharmacy	2714/MUM/2008
33.	Liposomal Citicholine injection	N I Gandhi, AmbikanandanMisra, M R Bajaj, R S Samant, B B Shah, Jamil Pinjari	Technology & Engineering Pharmacy	295/MUM/2009
34.	Extended release tablet formulation of Serratiopeptidase	AmbikanandanMisra, DograArti R.	Technology & Engineering Pharmacy	1515/MUM/2007 Granted 12/03/2013 Patent No: 255641
35.	Sustained release pharmaceutical compositions for pulmonary delivery of phosphodiesterase type 5 inhibitors for treatment of pulmonary arterial hypertension	AmbikanandanMisra, Sonia Trehan	Technology & Engineering Pharmacy	119/MUM/2010
36.	Liposomal Citicholine Injection	N I Gandhi, AmbikanandanMisra, M R Bajaj, R S Samant, B B Shah	Technology & Engineering Pharmacy Department	WO 2010/ 092597
37.	Liposomal Citicholine Injection (Japan)N I Gandhi, AmbikanandanMisra, M R Bajaj, R S Samant, B B Shah.	Technology & Engineering Pharmacy	295/MUM/2009
38.	Liposomal Citicholine Injection (Europe)	N I Gandhi, AmbikanandanMisra, M R Bajaj, R S Samant, B B Shah.	Technology Engineering Pharmacy	295/MUM/2009
39.	Liposomal Citicholine Injection (China	N I Gandhi, AmbikanandanMisra, M R Bajaj, R S Samant, B B Shah.	Technology & Engineering Pharmacy	295/MUM/2009
40.	Formulation For Receptor Mediated Improved Brain Uptake After Intranasal Administration	AmbikanandanMisra, GitanjaliKher	Technology & Engineering Pharmacy	1315/MUM/2010
41.	Emergency Contraceptive	MISRA, Ambikanandan Rajnarayan; GANDHI, Narendralshwarlal; BAJAJ, MannalalRamgopal; SHAH, Bharat Babulal; SAMANT, RajanShantaram	Technology & Engineering Pharmacy	WO/2011/048613
42.	Intranasal Delivery To Improve The Performance Of Children Suffering From Dyslexia	ProfMISRA,Ambikana ndan, Rajnarayan;.GANDHI, Narendra, Ishwarlal; BAJAJ, Mannalal, Ramgopal; SHAH, Bharat, Babulal;	Technology & Engineering Pharmacy	WO/2011/055383

		SAMANT, Rajan, Shantaram; RANA, Hemal;		
43.	Small interfering RNA Nanoconstruct for chemosensitization in treatment of lung cancer	Prof.AmibkanandanMisra, Nirav Khatri	Technology & Engineering Pharmacy	559/MUM/2012
44.	Novel Non-viral vector delivery of Small interfering RNA	AmibkanandanMisra, Nirav Khatri	Technology & Engineering Pharmacy	560/MUM/2012
45.	Some polar diquatery Gemini amphiphiles and the process for their Preparation, M. Kumar	AmbikanandanMisraM .R.Yadav	Technology & Engineering Pharmacy	2633/MUM/2010
46.	Dry Powder for Inhalation of SiRNAPolyplexes in Treatment of Pulmonary Arterial Hypertension	DipeshBaradia, AmbikanandanMisra	Technology & Engineering Pharmacy	2056/MUM/2013

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U.S. PATENTS				
47	Process for the Alkylation of Phenols	Dr.Nikunj Bhatt and Prof. Anjali Patel	Faculty of Science Chemistry Department	Patent No.US 2008/0114192 A1
48	Oligomerizationof Joroba Oil in Super-Critical CO2 for Different Applications' Zengshe Liu, Morton, IL(US)	Prof.ShaileshN. Shah,Sugar – Land TX(US)	Science Chemistry Department	Patent No.US 8,742 148 B1, Jun.3, 2014
49	Biocomposites of natural rubber	Dr.SonalThakore	Chemistry	Apl.No.2023/MUM/2008(Examination completed, patient Number to be allotted.)
50	Biocomposites of natural rubber and hydrophobic polysaccharide derivatives	Dr.SonalThakore	Chemistry	Appl.No.3553/MUM/2010 008008(under examination)
51	The present disclosure gives a modified tissue culture protocol for regeneration of ground nut plants	Prof. Pushpa Robin, Dr. AshutoshVadawale	Faculty of Science Department of Microbiology	Registration No. 799/MUM/2014

Sr. No.	Title/Details of the Patents	Author(s)	Faculty/ Department	Registration/ Application No., Year
52	“Water Soluble Photostabilizers”	Prof.Pradeep T. Deota	Technology and Engineering, Applied Chemistry	Application Number 3718/MUM/2012 Date of Filing : 29/12/2012 16:12:17
53	Lactol derivatives as mosquitocidal compounds	Prof.Pradeep T. Deota&Gautam M. Patel	Technology and Engineering, Applied Chemistry	Application Number: 3019/MUM/2013
54	Benzil derivatives as Photostabilizers	Prof.Pradeep T. Deota	Technology and Engineering, Applied Chemistry	Application Number: 1256/MuM/2013
55	<u>KOREAN PATENTS</u> i) Water-Soluble Fullerene-Dna Conjugate And Process For The Preparation There Of ii) WATER-SOLUBLE Cyclodextrin-Fullerene complex and preparation thereof	Inventor: GECKELER ,K.E. MURTHY,C.N. IPC: C12N 15/00 GECKELER,K.E. MURTHY,C.N IPC: C08B 37/16	Technology and Engineering, Applied Chemistry	Application Date: 19/04/2002 Registration No.: 1004793310000 Registration Date: 18/03/2005 Application Date: 12/08/2002 Registration No.: 1004708670000 Registration Date: 31/01/2005
56	“Islet neogenic potential of methanolic extract of <i>Enicostemmalittorale</i> Linn.”	Prof. Sarita Gupta,	Department of Biochemistry Faculty of science	Patent Application no.: 2425/DEL/2009 dated 25.11.2009
57	Treatment of banana fiber for hand spun and hand woven fabrics - banana khadi	Prof. Anjali Karolia & Ms. Amrita Doshi,	Department of Food and Nutrition, Faculty of Community Sciences	Date of Application: 5/11/15
58	A Process for Synthesis of Nanosized Hydrophobic Polysaccharide Derivative	Dr Sonal Thakore	Department of Chemistry, Faculty of Science	Patent No. 274199 Dt. 15-07-2016 Appl. No 2330/MUM/2010
59	Supported Undecaphosphotungstate catalyst for Aerobic Epoxidation of Alkenes	Prof Anjali patel	Department of Chemistry, Faculty of Science	Patent No. 271230 Dt. 10-02-2016 Appl. No 2380/MUM/2010
60	Liquid Phase Non-Solvent Oxidation of Styrene with Molecular Oxygen	Prof Anjali patel	Department of Chemistry, Faculty of Science	Patent No. 275517 Dt. 09-09-2016

COPY WRITES (7)

Sr. No.	Title/Details of the Patents	Author(s)	Faculty/ Department	Registration/ Application No., Year
1	Chowkpurana Brocade – Craft and Art of Uttar Pradesh: Prospects for their Sustainability (Six 06- Different Designs)	Prof. Anjali Kaolia, Prof. Amita Pandya,	Department of Clothing & Textile, Faculty of Family & Community Sciences	Date: 09-03-2015 No. 50630/2014-CO/A (Ministry of Human Resource Development)
2	“ Integrated Teaching Approach for Commerce Education (ITACE)”	Mardula Trivedi	Department of Commerce and Business Management,	Copy Right No. L-48514/2013 (Govt. of India) New Delhi.

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