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Inventions No.	Title of Invention	Inventor	Country	Application Number	Application Date	Publication Date/ Granted Dated	Publication No./ Patent No./ Remarks	DEPARTMENTS/ COLLEGES/ CENTRES
1	SINGLE STEP METHOD FOR INDIVIDUAL SYNTHESIS OF ORTHO, META AND PARA-DIPHENYLPHOSPHINO ANILINES	Rajeev Gupta; Sushil Kumar; Ram Kishan	India	201611008186	09-03-2016		(Application not yet published)	DEPARTMENT OF CHEMISTRY
2	NOVEL THERAPEUTIC AGENTS USEFUL FOR HUMAN PAPILLOMA VIRUS INDUCED CERVICAL CANCER THERAPY	A. Nag; S. Kundu; V. Chand; A. Kapoor	India	201611003939	04-02-2016		(Application not yet published)	DEPARTMENT OF BIOCHEMISTRY
3	A DEVICE FOR MEASURING TRIGNOMETRIC FUNCTIONS **(A HANDY TRIGONOMETRIC DEVICE)**	Pankaj Tyagi; Kamal Ranjan; Vikas Tomar; Jyoti Sharma; Raghvendra Tripathi.	India	1068/DEL/2015	(provisional) 16-04-2015 (Complete) 12-04-2016		(Application not yet published)	CLUSTER INNOVATION CENTRE
4	NOVEL BROMINATED PHENOTHIAZINE SCAFFOLDS AND METHODS THEREOF	M.D. Milton; Swati Bishnoi.	India	2110/DEL/2014	(provisional) 25-07-2014 (Complete) 16-02-2015		(Application not yet published)	DEPARTMENT OF CHEMISTRY

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5	A HERBAL COMPOUND FROM CLYCINE MAX SEEDS FOR CONTROLLING DIABETES AND DYSLIPIDEMIA	Suman Bala Sharma; Richa Gupta; Raja Roy	India	481/DEL/2014	19-02-2014	Published on 21-08-2015	Published in J.No. - 34/2015 (Request for Examination not filed)	UNIVERSITY COLLEGE OF MEDICAL SCIENCES (A CONSTITUENT COLLEGE OF UNIVERSITY OF DELHI)
6	A METHOD AND APPARATUS FOR IDENTIFICATION OF HETEROSIS IN INDICA RICE HYBRID CO-APPLICANT: MAHARASTRA HYBRID SEED COMPANY LTD. (MAHYCO) AND DEPARTMENT OF BIOTECHNOLOGY	V. Baranwal; A.K. Tyagi; S. Kapoor; P. Umate Maupriya; V. Mikkileneni; U. Zehr; L.M.M. Reddy.	India	3458/DEL/2013	27-11-2013		(Application not yet published)	DEPARTMENT OF PLANT MOLECULAR BIOLOGY
7	SEMANTIC INTEGRATION AND CATALOGUING OF BIOLOGICAL EXPERIMENTAL CO-APPLICANT: DEPARTMENT OF BIOTECHNOLOGY	Saurabh Raghuvanshi; Rashmi Jain; Priyanka Garg; Pratibha Gour; Shaji V Joseph; Akhilesh Kumar Tyagi.	India	1152/DEL/2013	17-10-2013	Published on 24-04-2015	Published in J.No. 17/2015 (Request for examination not filed)	DEPARTMENT OF PLANT MOLECULAR BIOLOGY

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Inventions No.	Title of Invention	Inventor	Country	Application Number	Application Date	Publication Date/ Granted Dated	Publication No./ Patent No./ Remarks	DEPARTMENTS/ COLLEGES/ CENTRES
8	A METHOD OF TRANSIENT EXPRESSION OF GENE OF INTEREST IN PLANTS USING A PLANT DNA VIRUS BASED VECTOR CO-APPLICANT: DEPARTMENT OF BIOTECHNOLOGY	Nabanta Gogoi; Indranil Dasgupta	India	2660/DEL/2013	09-09-2013	Published on 13-03-2015	Published in J. No. 11/2015 (Request for examination not filed	DEPARTMENT OF PLANT MOLECULAR BIOLOGY
9	METHOD FOR BIO-BLEACHING OF WOOD KRAFT PULPS CO-APPLICANT: CENTRAL PAPER AND PULP RESEARCH INSTITUTE	Ramesh Chander Kuhad; R. K Jain; Vadde Vasanta Thakur; Abha Sharma; Vipin Gupta; R.M Mathur.	India	2447/DEL/2013	19-08-2013	Published on 20-09-2013	Published in J.No. 38/2013 (Application Awaiting Examination)	DEPARTMENT OF MICROBIOLOGY
10	CURCUMIN ANALOGS AND METHODS OF MAKING AND USING THEREOF CO-APPLICANT: GEORGIA STATE	Diwan S. Rawat; Binghe Wang; Nitin Kumar; Sunny Manohar; Xiaochuan YANG; Guojing Sun; Nanting Ni.	PCT	PCT/US2013/053216	01-08-2013	Published on 06-02-2014	Publication No. WO2014022660 (A1)	

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	UNIVERSITY RESEARCH FOUNDATION, INC., (US)		USA	14/418,025	01-08-2013	Published on 04-06-2015	Publication No. US20150152056 (A1)	DEPARTMENT OF CHEMISTRY
11	A NOVEL BEACON-BASED DIAGNOSTIC PROBE/TOOL/KIT FOR DETECTION OF TRANSLOCATION 8;21 IN ACUTE MYELOID LEUKEMIA PATIENTS AND METHOD OF WORKING FOR THE SAME CO-APPLICANT: DEPARTMENT OF BIOTECHNOLOGY	Daman Saluja; Rashi Arora; Sunita Jetly	India	1568/DEL/2013	24-05-2013	Published on 8-11-2013	Published in J. No. 45/2013 (Application awaiting examination)	Dr. B.R. AMBEDKAR CENTER FOR BIOMEDICAL RESEARCH (ACBR)

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12	A NEW FLUORESCENT BEACON PROBE DIAGNOSTIC TOOL/KIT FOR MOLECULAR DETECTION OF TRANSLOCATION T(9;22)/BCR-ABL1 IN LEUKEMIC PATIENTS AND METHOD OF WORKING FOR THE SAME CO-APPLICANT: DEPARTMENT OF BIOTECHNOLOGY	Daman Saluja; Rashi Arora; Sunita Jetly	India	1569/DEL/2013	24-05-2013	Published on 8-11-2013	Published in J. No. 45/2013 (Application awaiting examination)	Dr. B.R. Ambedkar Center for Biomedical Research (ACBR)
13	A PROCESS FOR PRODUCING AROMATIC CARBOXYLIC ACIDS BY OXIDATION OF METHYL ARENES	Basudeb Saha; Sasanka Deka; Dinesh Gupta; Kalyan Jyoti Deori.	India	1346/DEL/2013	07-05-2013	Published on 12-12-2014	Published in J. No. 50/2014 (Application Awaiting Examination)	DEPARTMENT OF CHEMISTRY

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Inventions No.	Title of Invention	Inventor	Country	Application Number	Application Date	Publication Date/ Granted Dated	Publication No./ Patent No./ Remarks	DEPARTMENTS/ COLLEGES/ CENTRES
14	ANTIBACTERIAL COMPOUNDS AGAINST DRUG RESISTANT BACTERIA CO-APPLICANT : DEPT OF BIOTECHNOLOGY, THE STATE OF ORGEGON	Lal Rup; Mahmud Taifo	India	690/DEL/2013	20-03-2013	Published on 12-12-2014	Published in J. No. 50/2014 (Application Awaiting Examination)	DEPARTMENT OF ZOOLOGY
			PCT	PCT/IB2014/059989	20-03-2014	Published on 25-09-2014	Publication No. WO2014147578 (A2)	
15	A COMPOSITION FOR DEVELOPING LATENT IMPRESSION MARKS AND PROCESS FOR PREPARING THE SAME	G.S. Sodhi; Gurvinder Kaur; Komal Kamra; V.N. Segal; Manmeet Kaur; Simran Kaur; Riya Pangasa; A.M.S. Rawat; Jasvider Kaur; Abhinav; Vaishali Jain; Ruchika Tripathi; N. L. Dutta; Feroza Rehman Of G.T.B. K. College	India	470/DEL/2013	(provisional) 19-2-2013 (Complete) 19-02-2014	Published on 29-8-2014	Published in J. No. 35/2014 (Application awaiting examination)	G.T.B.K. COLLEGE

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16	NUTRITIONAL COMPOSITIONS AND METHODS FOR MANUFACTURING THE SAME	Syed Umais; Meenakshi Garg; Shivani G. Varmani; Susmita Dey Sadhu; Harsh Chauhan; Tripti Negi; Nitesh Sahu; Shivangi Jain; Annesha Dutta; Hemant Joshi; Anshuman Soni; Rishab Handa; Ankit Garg; Of BCAS College	India	471/DEL/2013	(provisional) 19-2-2013 (Complete) 19-02-2014	Published on 29-8-2014	Publication No. 35/2014 (Application awaiting examination)	BHASKARACHARYA COLLEGE OF APPLIED SCIENCES
17	SOLAR WATER DISTILLER	Ram Tandon; Swati arora; samta Goyal; anuradha Marwah; Mohammad Fahim Ansari Of ZH College	India	472/DEL/2013	(Provisional) 19-2-2013 (Complete) 19-02-2014	Published on 29-8-2014	Published in J. No. 35/2014 (Application awaiting examination)	ZAKIR HUSSAIN DELHI COLLEGE

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Inventions No.	Title of Invention	Inventor	Country	Application Number	Application Date	Publication Date/ Granted Dated	Publication No./ Patent No./ Remarks	DEPARTMENTS/ COLLEGES/ CENTRES
18	COATING COMPOSITIONS AND METHODS FRO PREPARATION THEREOF	Anshuman Soni; Susmita Dey Sadhu; Shvani G. Varmani; Meenakshi Garg; Harsh Chauhan; Tripti Negi; Nitesh Sahu; Shivangi Jain; Annesha Dutta; Syed Umais; Hemant Joshi;	India	473/DEL/2013	(Provisional) 19-2-2013 (Complete) 19-02-2014	Published on 29-08-2014	Published in J. No. 35/2014 (Application awaiting examination)	BHASKARACHARYA COLLEGE OF APPLIED SCIENCES
19	A NOVEL OLIGONUCLEOTIDE - BASED DIAGNOSTIC PROBE/TOOL/KIT FOR TUBERCULOSIS DETECTION AND METHOD OF WORKING FOR SAME CO-APPLICANT: UNION OF INDIA THROUGH SECRETARY DBT	Prof. Dr. Daman Saluja; Mr. Manoj Nimesh; Ms. Deepali Joon	India	77/DEL/2013	10-01-2013	Published on 22-08-2014	Published in J. No. 34/2014 (Application awaiting examination)	Dr. B.R. AMBEDKAR CENTER FOR BIOMEDICAL RESEARCH (ACBR)

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20	A BIO-CONVERSION METHOD TO IMPROVE NUTRITIONAL PROPERTIES OF LIGNOCELLULOSIC RESIDUES CO-APPLICANT: DEPARTMENT OF BIOTECHNOLOGY & AYURVET LIMITED	Ramesh Chander Kuhad; Bhuvnesh Shrivastava; Anup Kalra	India	4039/DEL/2012	28-12-2012	Published on 31-05-2013	Published in J. No 22/2013 (Application Awaiting examination)	DEPARTMENT OF MICROBIOLOGY
21	RICE PROMOTERS AND USES THEREOF CO-APPLICANT: DEPARTMENT OF BIOTECHNOLOGY	Akhilesh Kumar Tyagi; Sanjay Kapoor; Reema Khurana	India	1103/DEL/2012	11-04-2012	25-09-2015	Published in J. No. 39/2015 (Deemed to be Withdrawn U/S 11B(4))	DEPARTMENT OF PLANT MOLECULAR BIOLOGY
22	AMINOQUINOLINE DERIVATIVES AND USES THEREOF Co-Applicant:- The Mclean Hospital Corporation (US), University Of Delhi (IN)	Diwan S RAWAT, Sunny MANOHAR, Ummadisetty Chinna RAJESH, Deepak Kumar, Anuj THAKUR, Mohit TRIPATHI, Panyala Linga REDDY, Shamseer Kulangara KANDI	India	661/DEL/2012	07-03-2012	Published on 21-08-2015	Published in J. No. 34/2015 (Application is Under Examination)	DEPARTMENT OF CHEMISTRY
			PCT	PCT/US2013/028329	28-02-2013	Published on 31-10-2013	Publication No. WO2013134047 (A3)	
			USA	14/382,727	03-09-2014	Published on 22-01-2015	Publication No. US2015/0023930	

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Inventions No.	Title of Invention	Inventor	Country	Application Number	Application Date	Publication Date/ Granted Dated	Publication No./ Patent No./ Remarks	DEPARTMENTS/ COLLEGES/ CENTRES
		KANDI, Satyapavan VARDHINENI, Kwang-Soo Kim, Chun-Hyung Kim	Europe			Published on 14-01-2015	Publicatino No. EP2822936	
23	A SYNERGISTIC HERBAL COMPOSITION FOR PREVENTION AND TREATMENT OF DIABETIC RETINOPATHY AND CATARACT CO-APPLICANT: PROMED RESEARCH CENTRE , Gurgaon DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES & RESEARCH; UNIVERSITY OF DELHI	Deepak Bahri; Shrikant Gaur; Suresh Kumar Gupta; Srinivasan, Bhartur, Parthasarathy; Ram Kumar Gupta; Ashutosh Aggarwal; Binit Kumar; Sushma Srivastava; Rohit Saxena;	India	3134/DEL/2011	03-11-2011	Published on 03-05-2013	Published in J. No.18/2013 (Application awaiting examination)	DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES & RESEARCH (DIPSAR)
			PCT	PCT/IB2012/056105	02-11-2012	Published on 10-5-2013	Publication No. WO2013065015	

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			Eurasia	201490712	02-11-2012	Published on 30-12-2014	Publication No. EA201490712	
24	POLYNUCLEOTIDES ENCODING HEAT SHOCK TRANSCRIPTION FACTOR AND USES THEREOF	Khurana, Paramjit Harsh Chauhan; Jitendra Paul Khurana	India	1700/DEL/2011	15-06-2011	Published on 21-12-2012	Published in J. No. 51/2012 (Application Awaiting Examination)	DEPARTMENT OF PLANT MOLECULAR BIOLOGY
25	N-PROTECTED ISATIN COMPOUNDS CO-APPLICANT: COUNCIL OF SCIENTIFIC & RESEARCH	Balaram Ghosh; Virinder Parmar Singh; Ashok Kumar Prasad; Gainda Lal Sharma; Sakshi Balwani; Shashwath Malhotra; Seema Singh	India	1591/DEL/2011	03-06-2011	Published on 07-12-2012	Published in J. No. 49/2012 (Application Awaiting Examination)	DEPARTMENT OF CHEMISTRY
26	ABIOTIC AND HEAVY METAL STRESS-INDUCIBLE NBS-STRL PROMOTER FROM RICE CO-APPLICANT: DEPARTMENT OF BIOTECHNOLOGY	Akhilesh Kumar Tyagi; Sanjay Kapoor; Swatismita Ray	India	1404/DEL/2011	12-05-2011	Published on 16-11-2012	Published in J. No. 46/2012 (Application awaiting examination)	DEPARTMENT OF PLANT MOLECULAR BIOLOGY

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27	A PROCESS FOR PRODUCTION OF FERMENTABLE SUGARS FROM LIGNOCELLULOSIC SUBSTRATE	Ramesh Chander Kuhad; Rishi Gupta	India	1348/DEL/2011	09-05-2011	Published on 27-09-2013	Published in J. No. 39/2013 (Deemed to be withdrawn U/S 11B(4))	DEPARTMENT OF MICROBIOLOGY
28	TISSUE SPECIFIC PROMOTER AND USES THEREOF CO-APPLICANT: DEPARTMENT OF BIOTECHNOLOGY,NEW DELHI	Sanjay Kapoor; Akhilesh Kumar Tyagi; Priyanka Deveshwar	India	1146/DEL/2011	19-04-2011	Published on 02-11-2012	Published in J. No. 44/2012 (Awaiting examination)	DEPARTMENT OF PLANT MOLECULAR BIOLOGY
29	COUMARIN COMPOUNDS FOR THE TREATMENT OF MYCOBACTERIAL INFECTIONS CO-APPLICANT: V P CHEST INSTITUTE, DELHI	Virinder Singh Parmar; Ashok Kumar Prasad; Hanumantharao Guru Raj; Mridula Bose; Sunil Kumar Sharma; Rashmi Tandon; Anil Baghel; Abha Kathuria; Garima Gupta; Neha Aggarwal	India	983/DEL/2011	05-04-2011	Published on 19-10-2012	Published in J. No. 42/2012 (Application awaiting examination)	DEPARTMENT OF CHEMISTRY

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30	SPIRO-(INDOLINE-ISOXAZOLIDINES) COMPOUNDS HAVING INHIBITORY EFFECTS ON CYTOKINE-INDUCED CELL ADHESION MOLECULE ICAM-1 EXPRESSION ONTO HUMAN ENDOTHELIAL CELLS. CO-APPLICANT: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RES.	Balaram Ghosh; Virinder Singh Parmar; Ashok Kumar Prasad; Brajendra Kumar Singh; Sakshi Balwani; Shashwat Malhotra	India	115/DEL/2011	17-01-2011	Published on 20-07-2012	Published in J. No. 29/2012 (Awaiting Examination)	DEPARTMENT OF CHEMISTRY
31	OPTIMIZED PROCESS FOR PRODUCTION OF ALKALINE LIPASE ENZYME FROM PSEUDOMONAS SP. AND ITS APPLICATIONS THEREOF	R.K. Saxena; Gautam Kumar Meghwanshi	India	89/DEL/2011	14-01-2011	Published on 30-08-2013	Published in J. No. 35/2013 (Application awaiting examination)	DEPARTMENT OF MICROBIOLOGY
32	THIONATED CINNAMATES AND PROCESS FOR PREPARATION THEREOF CO-APPLICANT: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	Balaram Ghosh; Virinder Singh Parmar; Ashok Kumar Prasad; Brajendra Kumarsingh; Sarvesh Kumar	India	960/DEL/2010	21-04-2010	Published on 19-10-2012	Published in J. No. 42/2012 (Application awaiting examination)	DEPARTMENT OF CHEMISTRY

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33	A PCR- BASED KIT FOR DETECTING CHLAMYDIA TRACHOMATIS AND NELSSERIA GONORRHOEAE CO-APPLICANT: DEPARTMENT OF BIOTECHNOLOGY, (IN)	Daman Saluja; Uma Chaudhary; Mashook Ali; Poonam; Achchhe Lal Patel	USA	12/651819	04-01-2010	Published on 9-12-2010	Publication No. US20100311049 (under prosecution)	Dr. B.R. AMBEDKAR CENTER FOR BIOMEDICAL RESEARCH (ACBR)
34	WITHANIA SOMENIFERA PLANT EXTRACT AND A METHOD OF PREPRATION THEREOF CO-APPLICANT: INDIAN INSTITUTE OF SCIENCE, BANGALORE & NATIONAL BRAIN RESEARCH CENTRE, HARYANA.	V. Ravindranath; Alok Gupta; Neha Sehgal; S.C. Jain; Suman Thakur; Pankaj Khanna	Australia	2009277963	29-07-2009	Published on 4-2-2010	Publication No. AU2009277963 (A1) (Lapsed)	DEPARTMENT OF CHEMISTRY
35	A METHOD OF VIRUS-INDUCED GENE SILENCING IN RICE USING A VECTOR DERIVED FROM A DNA VIRUS CO-APPLICANT: DEPARTMENT OF BIOTECHNOLOGY, NEW DELHI	Arunima Purkayastha; Indranil Dasgupta	India	2476/DEL/2009	01-12-2009	Published on 03-6-2011	Published in J. No 22/2011 (Application is under Examination)	DEPARTMENT OF PLANT MOLECULAR BIOLOGY

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36	REGIOSELECTIVE ACYLATION OF NUCLEOSIDES CO-APPLICANT : DEPARTMENT OF BIOTECHNOLOGY,NEW DELHI	Virinder Singh Parmar; Ashok Kumar Prasad; Rajendra Kumar Saxena; Gaurav Shakya;	India	1855/DEL/2009	08-09-2009	Published on 11-03-2011	Published in J. No. 10/2011 (Deemed to be withdrawn U/S 11B(4)	DEPARTMENT OF CHEMISTRY
			PCT	PCT/IN2010/000594	07-09-2010	Published on 17-3-2011	Publication No. WO2011030353 Lapsed	
37	WHEAT CHLOROPLASTIC SMALL HEAT SHOCK PROTEIN (SHSP26) PROMOTER AND USES THEREOF	Paramjit Khurana; Harsh Chauhan; Jitendra Paul Khurana	India	1724/DEL/2009	20-08-2009	Published on 14-10-2011	Published in J. No. 41/2011 (Awaiting examination)	DEPARTMENT OF PLANT MOLECULAR BIOLOGY
38	ALPHA-CRYSTALLIN BASED IMMUNIZATION AGAINST MYCOBACTERIUM AND METHODS THEREOF. CO-APPLICANT: DEPARTMENT OF BIOTECHNOLOGY, N. DELHI	Anil Kumar Tyagi; Bappaditya Dey; Ruchi Jain; Aparna Khera; Vadakkuppattu Devasenapathi Ramanathan; Umesh Datta Gupta;Vishwa Mohan Katoch	India	473/DEL/2009	09-03-2009	Published on 17-09-2010	Published in J. No. 38/2010 (Awaiting examination)	DEPARTMENT OF BIOCHEMISTRY

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39	RECOMBINANT BCG-AG85C BASED IMMUNIZATION AGAINST TUBERCULOSIS CO-APPLICANT: DEPARTMENT OF BIOTECHNOLOGY	A. K. Tyagi; Ruchi Jain; Bappaditya Dey; Neeraj Dhar; Vivek Rao; Ramandeep Singh; Ramanathan Vadakkuppattu Devasenapathi; Umesh Datta Gupta; Vishwa Mohan Katoch	India	2639/DEL/2008	21-11-2008	28-05-2010	Published in J. No. 22/2010 (Application awaiting examination)	DEPARTMENT OF BIOCHEMISTRY
40	SYMMETRICALLY AND ASYMMETRICALLY SUBSTITUTED TETRAOXANE COMPOUNDS, METHOD OF PREPARATION AND USES THEREOF	Diwan S. Rawat; Nitin Kumar; Mukul Sharma	India	2103/DEL/2008	05-09-2008	23-04-2010	Published in J. No. 17/2010 (Lapsed)	DEPARTMENT OF CHEMISTRY
41	WITHANIA SOMENIFERA PLANT EXTRACT AND A METHOD OF PREPRATION THEREOF	V. Ravindranath; Alok Gupta; Neha Sehgal; S.C. Jain;	India	1775/DEL/2008	28-7-2008	Published on 23-4-2010	Published in J.No. 17/2010 (Application is under examination)	

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	CO-APPLICANT: INDIAN INSTITUTE OF SCIENCE, BANGALORE & NATIONAL BRAIN RESEARCH CENTRE, HARYANA.	Suman Thakur; Pankaj Khanna	PCT	PCT/IN2009/00430	29-7-2009	Published on 4-2-2010	Publication No. WO2010013254	DEPARTMENT OF CHEMISTRY
			Australia	2009277963	29-07-2009	Published on 4-2-2010	Publication No. AU2009277963 (A1)	
			Canada	20092730709	13-01-2011	Published on 4-2-2010	Publication No. CA2730709 (Examination Request)	
			Europe	09787611	28-07-2009	Published on 11-5-2011	Publication No. EP2318025 (Under	
			Japan	20110520655	29-07-2009	Published on 7-01-2013	Publication No. JP2013500236 (A02)	
			USA	13/003758	6-6-2011	Patent Granted on 9-7-2013	Patent No. US8481087	
			China	CN200980123889	25-5-2011	Patent Granted on 17-10-2012	Patent No. CN102076349	
42	COUMARIN COMPOUNDS FOR THE TREATMENT OF CARDIOVASCULAR DISEASES AND PROCESS FOR PREPARING THE SAME. CO-APPLICANT: V.P. CHEST INST DELHI	Virinder Singh Parmar; Hanumanthrao Guru Raj; Ashok Kumar Prasad; Subhash Chand Jain	India	1495/DEL/2008	23-06-2008	Published 23-4-2010	Published in J. No. 17/2010 (awaiting examination)	DEPARTMENT OF CHEMISTRY
			PCT	PCT/IN2009/000359	23-06-2009	Published on 13-12-2009	Publication No. WO2009157020 A1	

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			USA	13/001031	11-4-2011	Published on 21-7-2011	Publication No. US20110178168 A1 (Abandoned 09-4-2013)	
43	SUBSTITUTED CYCLOHEXANE-1,2-DIAMINE DERIVATIVES AND RELATED COMPOUNDS AS ANTIMICROBIAL AGENTS	Nilanjan Roy; Rajesh K Rohilla	India	1462/DEL/2008	19-06-2008	Published on 14-09-2012	Published in J. No. 37/2012 (Application abondoned U/S21(1))	DEPARTMENT OF CHEMISTRY
44	DIHYDROPYRIDIMIDINONE COMPOUNDS FOR THE TREATMENT OF CARDIOVASCULAR DISEASES AND PROCESS FOR PREPARING THE SAME CO-APPLICANT: V.P. CHEST INST, DELHI	Parmar, Virinder Singh; Raj, Hanumanthrao Guru; Prasad, Ashok Kumar	India	1414/DEL/2008	13-6-2008	Published on 20-8-2010	Published in J. No. - 34/2010 (Under examination)	DEPARTMENT OF CHEMISTRY
			PCT	PCT/IN2009/000344	15-6-2009	Published on 17-12-2009	Publication No. WO2009150668A1	
			USA	13/057247	02-05-2011	Published on 18-8-2011	Publication No. US20110201634 (Abandoned)	

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Inventions No.	Title of Invention	Inventor	Country	Application Number	Application Date	Publication Date/ Granted Dated	Publication No./ Patent No./ Remarks	DEPARTMENTS/ COLLEGES/ CENTRES
45	METHOD OF PRODUCING ALKALOTHERMOSTABLE XYLANASE FROM BACILLUS PUMIIUS STRAIN MK001 BY SOLID STATE FERMENTATION CO-APPLICANT: DEPARTMENT OF BIOTECHNOLOGY, NEW DELHI	Ramesh Chander Kuhad; Mukesh Kapoor	India	984/DEL/2008	16-04-2008	Patent Granted on 11-12-2015	Patent No. 270321	DEPARTMENT OF MICROBIOLOGY
46	METHOD FOR PRODUCING AND OPTIMIZING THE PRODUCTION OF XYLITOL CO-APPLICANT: TATA CHEMICALS LIMITED, ANDHERI (E), MUMBAI	R. K. Saxena; Pritesh Gupta; Swati Misra	India	945/MUM/2007	18-05-2007	Published on 13-02-2009	Published in J. No. 07/2009 (Application withdrawn U/R 26)	DEPARTMENT OF MICROBIOLOGY
47	PROCESS FOR EFFICIENT PRODUCTION OF 1,3-PROPANEDIOL CO-APPLICANT: TATA CHEMICALS LIMITED, ANDHERI (E), MUMBAI	R. K. Saxena; Pinki Anand; Jasmine Isar	India	573/MUM/2007	28-03-2007	Published on 28-11-2008	Published in J. No. 48/2008 (Application withdrawn U/R 26)	DEPARTMENT OF MICROBIOLOGY

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Inventions No.	Title of Invention	Inventor	Country	Application Number	Application Date	Publication Date/ Granted Dated	Publication No./ Patent No./ Remarks	DEPARTMENTS/ COLLEGES/ CENTRES
48	RICE NUCLEIC ACID SEQUENCES ASSOCIATED WITH PANICLE DEVELOPMENT CO-APPLICANT : DEPARTMENT OF BIOTECHNOLOGY	Sanjay Kapoor; Akhilesh K. Tyagi; Rita Arora	India	157/DEL/2007	25-01-2007	Published on 12-09-2008	Published in J. No. 37/2008 (Applicatin is under Examination) Group: 2 (Bio Technology, Microbiology And Allied Subjects).	DEPARTMENT OF PLANT MOLECULAR BIOLOGY
49	NUCLEIC ACID SEQUENCES INVOLVED IN FLORAL TRANSITION IN RICE AND USES THEREOF CO-APPLICANT : DEPARTMENT OF BIOTECHNOLOGY	Paul Jitendra Khurana; Akhilesh K. Tyagi; Aashima Nijhawan; Pooja Sharma; Mukesh Jain	India	158/DEL/2007	25-01-2007	Published on 12-09-2008	Published in J. No 37/2008 (Application is under Examination)	DEPARTMENT OF PLANT MOLECULAR BIOLOGY
50	ABIOTIC STRESS RESPONSIVE NUCLEIC ACIDS FROM RICE AND USES THEREOF. CO-APPLICANT : DEPARTMENT OF BIOTECHNOLOGY	Akhilesh K. Tyagi; Sanjay Kapoor; Jitendra Paul Khurana; Swatismita Ray	India	159/DEL/2007	25-01-2007	Published on 12-09-2008	Published in J. No 37/2008 (Application is under examination)	DEPARTMENT OF PLANT MOLECULAR BIOLOGY
51	RICE NUCLEIC ACIDS INVOLVED IN SEED DEVELOPMENT CO-APPLICANT: DEPARTMENT OF BIOTECHNOLOGY	Akhilesh K. Tyagi; Sanjay Kapoor; Pinky Agarawal	India	160/DEL/2007	25-01-2007	Published on 12-09-2008	Published in J. No 37/2008 (Application is under examination)	DEPARTMENT OF PLANT MOLECULAR BIOLOGY

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Inventions No.	Title of Invention	Inventor	Country	Application Number	Application Date	Publication Date/ Granted Dated	Publication No./ Patent No./ Remarks	DEPARTMENTS/ COLLEGES/ CENTRES
52	TOPOSIOMERASE 6 GENES FROM RICE FOR CONFERRING STREES TOLERANCEIN PLANTS	Mukesh Jain; Jitendra Paul Khurana; Akhilesh Kumar Tyagi	India	1844/DEL/2006	17-08-2006	Published on 04-04-2008	Published in J. No 14/2008 (Application is under examination)	DEPARTMENT OF PLANT MOLECULAR BIOLOGY
53	PCR-BASED DETECTION METHOD FOR CHLAMYDIA TRACHOMATIS CO-APPLICANT: DEPARTMENT OF BIOTECHNOLOGY, (IN)	Daman Saluja; Uma Chaudhury; Mashook Ali	USA	12/064143	07-08-2006	Published on 5-2-2009	Publication No. US200990035775 (Lapsed)	Dr. B.R. AMBEDKAR CENTER FOR BIOMEDICAL RESEARCH (ACBR)
54	A METHOD OF OPTIMIZATION OF THE PRODUCTION OF ALKALINE PROTEASE FROM BACILLUS LICHENIFORMIS AND ITS USE IN DEHAIRING OF ANIMAL SKINS AND HIDES.	R. K. Saxena; Saurabh Saran	India	1477/DEL/2006	22-06-2006	Published on 04-01-2008	Published in J. No. 01/2008 (Application abondoned U/S 21(1))	DEPARTMENT OF MICROBIOLOGY
55	A PROCESS FOR THE PREPARTION OF A PH RESPONSIVE POLYMER FOR COATING MICRO/MACRO CAPSULES	Subho Mozumdar; Dipak K. Majumdar; Richa Tyagi; Anjali Yadav; D. Hema Malini; Shreya Chand	India	1372/DEL/2006	8-6-2006	Published on 30-6-2006	Published in J. No. 26/2006 (Deemed to be withdrawn (U/S 11B(4)	DEPARTMENT OF CHEMISTRY

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56	A PROCESS FOR EXTRACTION OF BIOACTIVE PSORALEN COMPOUND	Veena Agrawal	India	998/DEL/2006	17-04-2006	Published on 10-06-2011	Published in J. No. 23/2011 (Application is under examination)	DEPARTMENT OF BOTANY
57	A MULTIPLEX PCR-BASED KIT FOR DETECTING CHLAMYDIA TRCHOMATIS AND NEISSERIA GONORRHOEAE CO-APPLICANT: DEPARTMENT OF BIOTECHNOLOGY,	Daman Saluja; Uma Chaudhary; Mashook Ali; Poonam; Achchhe Lal Patel	India	3437/DEL/2005	22-12-2005	Patent Granted on 9-4-2010	Patent No. 239908	Dr. B.R. AMBEDKAR CENTER FOR BIOMEDICAL RESEARCH (ACBR)
			USA	11/436063	17-05-2006	Published on 28-6-2007	Publication No. US20070148649 (Lapsed)	
58	A NOVEL COMPOSITION FOR DEHAIRING OF HIDES AND THE PROCESS FOR PREPARING THE SAME. CO-APPLICANT: IIT DELHI & PANACEA LTD	Rani Gupta; Priya Ramnani; Suresh S Kumar; Rajni Singh; Vikram Sahai; V.S. Bisaria; Sitaram Paikray Prasad	India	3294/DEL/2005	07-12-2005	Published on 02-10-2009	Published in J.No. 40/2009 (Withdrawn)	DEPARTMENT OF MICROBIOLOGY

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59	LIPASE FORM A NOVEL LIPOLYTIC STARIAN BURKHOLDERIA MULTIVORANS; PROCESS FOR THE PRODUCTION OF THE ENZYME AND ITS APPLICATIONS.	Rani Gupta; Namita Gupta; Vikram Sahai; V.S. Bisaria; Sitaram Paikray Prasad	India	3251/DEL/2005	02-12-2005	Published on 02-10-2009	Published in J. No. 40/2009 (Deemed to be withdrawn U/S 11B(4)	DEPARTMENT OF MICROBIOLOGY
60	A PROCESS FOR PRODUCING ORGANIC/POLYMERIC AND INORGANIC/METAL NANOPARTICLES	Subho Mozumdar; Amit Saxena	India	2945/DEL/2005	03-11-2005	Published on 31-07-2009	Published in J. No. 31/2009 (Application Abandoned)	DEPARTMENT OF CHEMISTRY
61	A NOVEL NON-CATALYTIC PEPTIDE CONFERRING DISULFIDE REDUCTASE ACTIVITY TO PROTEASES FOR EFFECTIVE KERATINOLYSIS	Rani Gupta; Priya Ramnani	India	2894/DEL/2005	28-10-2005	Published on 2-10-2009	Published in J. No. 40/2009 (awaiting examination)	DEPARTMENT OF MICROBIOLOGY
62	A NOVEL PROCESS FOR PREPARATION OF ASAVA AND ARISHTA RANGE OF AYURVEDIC FORMULATIONS CO-APPLICANT: DABUR RESEARCH FOUNDATION, GHAZIABAD	N.B. Brindavanam; Y. Venkateshwara Rao; D.B.A. Narayanan; T. Satyanarayana; Ashima Vohra; Sanjeev Kumar	India	2784/DEL/2005	18-10-2005	Published on 02-10-2009	Published in J. No. 40/2009 (Request for examination no filed) (Deemed to be lapsed)	DEPARTMENT OF MICROBIOLOGY

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63	PCR-BASED DETECTION METHOD FOR CHLAMYDIA TRACHOMATIS CO-APPLICANT: DEPARTMENT OF BIOTECHNOLOGY, N DELHI	Daman Saluja; Uma Chaudhury; Mashook Ali	India	1589/DEL/2005	17-08-2005	Published on 31-07-2009	Published in J. No. 31/2009 (Application Refused u/s 15)	Dr. B.R. AMBEDKAR CENTER FOR BIOMEDICAL RESEARCH (ACBR)
			USA	13/220268	29-08-2011	Patent Granted on 22-09-2015	Patent No. US9139883 (Under examination)	
64	A PROCESS FOR PRODUCING MODIFIED RECONSTITUTED SENDAI VIRAL ENVELOPE SPECIFIC FOR DRUG AND OR GENE DELIVERY TO LIVER CELLS CO-ASSIGNEE: NATIONAL RESEARCH	Santosh K. Verma; Prashant Mani; Nishi Raj Sharma; Anuja Krishnan; Valluripally Vinod Kumar; Bathula Surendar	India	1003/DEL/2005	21-4-2005	Published on 12-1-2007	Published in J. No. 02/2007 (awaiting examination)	DEPARTMENT OF BIOCHEMISTRY
			PCT	PCT/IN2006/000061	24-2-2006	Published on 26-10-2006	Publication No. WO2006111982	

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	DEVELOPMENT CORPORATION, N. DELHI, INDIA	Reddy; Arabinda Chaudhuri; Rajendra P. Roy; Debi P. Sarkar;	USA	11/918841	24-2-2006	Published on 25-2-2010	Publication No. 20100047897 (Under patent prosecution)	DEPARTMENT OF BIOCHEMISTRY
			Europe	06728396	24-02-2006	Patent Granted on 17-10-2012	Patent No. EP1871889 (Lapse because of Non-payment of due-fees)	
65	IMPROVED PROCESS FOR EXPRESSION, PURIFICATION AND ENHANCED RECOVERY OF MYCOBACTERIAL RECOMBINANT PROTEINS	Vijay Kumar Chaudhary; Amita Gupta; Anil Kumar Tyagi; Abhishek Kulshrestha	India	2077/DEL/2004	25-10-2004	Patent Granted on 19-11-2014	Patent No. IN263766	DEPARTMENT OF BIOCHEMISTRY
66	RTBV PLANT PROMOTER AND PROCESS THEREOF CO-APPLICANT : DEPARTMENT OF BIOTECHNOLOGY, NEW DELHI	Indranil Dasgupta; Saloni Mathur	India	1422/DEL/2004	30-8-2004	Published on 14-7-2006	(Deemed to be withdranw U/S 4B(4)	DEPARTMENT OF PLANT
			PCT	PCT/IN2005/000285	19-8-2005	Published on 25-1-2007	Publication No. WO2007010545	
			China	200580033974.9	19-8-2005	Published on 24-10-2007	Publication No. CN101061226 (Withdrawn)	
			Europe	05786176	19-5-2005	Published on 11-4-2012	Publication No. EP1794301 (Withdrawn)	

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			USA	11/661452	19-8-2005	Patent Granted on 01-06-2010	Patent No. US7728122	MOLECULAR BIOLOGY
			Eurasia	200700379	19-8-2005	Patent Granted on 30-4-2010	Patent No. EA013229 (Lapsed)	
			Japan	2007529143	19-8-2005	Patent Granted on 29-10-2010 (Cancellation because of non payment of annual fee)	Patent No. JP04615018 (Lapsed on 29.10.2013)	
67	A NOVEL CYTOPLASMIC MALE STERILITY SYSTEM FOR BRASSICA SPECIES AND ITS USE FOR HYBRID SEED PRODUCTION IN INDIAN OILSEED MUSTARD BRASSICA JUNCEA. CO-APPLICANT: NATIONAL DAIRY DEVELOPMENT BOARD, GUJARAT	Yashpal Singh ; Akshay Kumar Pradhan; Vibha Gupta; Neelakantan Arumugam; Jagdish Kumar Verma; Arundhati Mukhopadhyay; Deepak Pental	India	1610/DEL/2004	26-08-2004	Patent Granted on 01-03-2011	Patent No. IN246501	DEPARTMENT OF GENETICS
			PCT	PCT/IN2005/000278	22-08-2005	Published on 02-03-2006	Publication No. WO2006/021972	
			Canada	2005/25278187	26-02-2007	Patent Granted on 4-8-2015	Patent No. CA2578187	
			USA	US 11/660510	22-08-2005	Patent Granted on 04-10-2011	Patent No. US 8030548	
			Australia	2005276075	22-08-2005	Patent Granted on 26-08-2010	Patent No. AU2005276075	

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Inventions No.	Title of Invention	Inventor	Country	Application Number	Application Date	Publication Date/ Granted Dated	Publication No./ Patent No./ Remarks	DEPARTMENTS/ COLLEGES/ CENTRES
68	AN INSULATOR CONSTRUCT FOR CONTROLLING LEAKY EXPRESSION OF A LETHAL GENE. CO-APPLICANT: NATIONAL DAIRY DEVELOPMENT BOARD, GUJARAT	Arun Jagannath; Panchali Bandyopadhyay; Neelkantan Arumugam; Vibha Gupta; Pradeep Kumar Burma; Deepak Pental	India	1327/DEL/2004	19-07-2004	Patent Granted on 15-11-2010	Patent No. IN244022	DEPARTMENT OF GENETICS
69	A METHOD FOR THE DETECTION OF CHEMICAL ADULTERANTS IN SYNTHETIC MILK AND READY TO USE KIT FOR THE DETECTION OF SYNTHRTIC MILK.	Rani Gupta; Rajni Singh	India	711/DEL/2004	13-04-2004	Patent Granted on 31-03-2008	Patent No. IN218177 (Ceased on 29-04-2008)	DEPARTMENT OF MICROBIOLOGY
70	NOVEL AMYLOPULLULANASE ENZYME FROM NOVEL THERMOPHILE BACTERIA, GEOBACILLUS THERMOLEOVORANS AND PROCESS OF PREPARING THE SAME.	Tulasi Satyanarayana; Syed Mohammed Noorwez; Munisamy Ezhilvannan	India	566/DEL/2004	22-03-2004	Published on 26-05-2006	Published in J.No. 21/2006 (Abandoned)	DEPARTMENT OF MICROBIOLOGY

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Inventions No.	Title of Invention	Inventor	Country	Application Number	Application Date	Publication Date/ Granted Dated	Publication No./ Patent No./ Remarks	DEPARTMENTS/ COLLEGES/ CENTRES
71	NOVEL YEAST STRAINS HAVING ACCESSION NOS. DRF-UDS 004/WF, DRF-UDS 016/WF, AND DRF-UDS 017/WF AND A METHOD FOR PROPAGATION CO-APPLICANT: DABUR RESEARCH FOUNDATION, GHAZIABAD.	N.B. Brindavanam; Y.Venkateshwara Rao; D.B.A. Narayana; T. Satyanarayan; Ashima Vohra; Sanjeev Kumar	India	1609/DEL/2003	24-12-2003	Patent Granted on 18-11-2010	Patent No. IN 244100	DEPARTMENT OF MICROBIOLOGY
72	MUTANTS OF MYCOBACTERIA AND PROCESS THEREOF CO-APPLICANT: INDIAN COUNCIL OF MEDICAL RESEARCH, NEW DELHI	A. K. Tyagi; Ramandeep Singh; Vivek Ramanathan Rao; Vadakkuppattu Devasenapathi Ramanathan; Chinnambedy Nainarappan Paramasivan; Paranji Ramaiyenger Narayanan; Yogendra Singh	India	882/DEL/2003	09-7-2003	Patent Granted on 19-3-2014	Patent No. IN259594	DEPARTMENT OF BIOCHEMISTRY
			PCT	PCT/IN2004/000203	9-7-2004	Published on 12-1-2005	Publication No. WO2005005639	
			Brazil	PI0411213	9-7-2004	Published on 18-7-2006	Publication No. BRPI0411213 Lapsed	
			Europe	20040770668	9-7-2004	Published on 5-4-2006	Publication No. EP1641924 (Application withdrawn)	

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			Japan	2006518498	9-7-2004	Published on 20-9-2007	Publication No. JP2007526753 (Application withdrawn)	
			USA		9-7-2004	Patent Granted on 17-5-2011	Patent No. US7943361 (Expired due to failure to pay maintenance fee)	
73	A PROCESS FOR THE ISOLATION AND PURIFICATION OF SESQUITERPENE COMPOUNDS FROM A CURCUMA PLANT	Pratibha Mehta Luthra; Rambir Singh	India	977/DEL/2003	07-08-2003	Patent Granted on 11-11-2008	Patent No. IN 225387 (Ceased on 19-11-2008)	Dr. B.R. AMBEDKAR CENTER FOR BIOMEDICAL RESEARCH (ACBR)
74	A METHOD FOR OBTAINING IMPROVED FERTILITY RESTORER LINES FOR TRANSGENIC MALE STERILE CROP PLANTS AND A DNA CONSTRUCT FOR USE IN SAID METHOD CO-APPLICANT: NATIONAL DAIRY DEVELOPMENT BOARD, GUJARAT	Naveen Chandra Bisht; Arun Jagannath; Vibha Gupta; Pradeep Kumar Burma; Deepak Pental	PCT	PCT/IN2003/000235	07-07-2003	Published on 13-1-2005	Publication No. WO2005/003361	DEPARTMENT OF GENETICS
			Austria	2003817344	07-07-2003	Patent Granted on 15-9-2009	Patent No. AT442449 (T) (Lapsed)	
			Australia	2003247160	21-01-2005	Published on 03-03-2005	Publication No. AU2003247160 (Lapsed)	
			India	121/DELNP/2006	6-01-2006	Patent Granted on 3-3-2010	Patent No. IN238973	

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	GUJARAT		Europe	03817344	12-04-2006	Patent Granted on 09-09-2009 (validated in DE, GB, FR, CH, SE, NL in 2012)	Patent No. EP1644506 (Lapse because of non-payment of due fees)	
			USA	10/563571	08-06-2006	Patent Granted on 22-6-2010	Patent No. US7741541	
75	THE USE OF PHENOLICACETATE DRUGS TO ENHANOE THE INTRACELLULAR NITRICOXIDE LEVEL IN HUMAN PLATELETS	H.G Raj; V.S Parmar; Pulkit Khurana	India	886/DEL/2003	11-07-2003	Patent Granted on 28-02-2009	Patent No. IN230916 (Ceased on 30-03-2009)	VALLABHBHAI PATEL CHEST INSTITUTE & CHEMISTRY DEPARTMENT, DU
76	A PROCESS FOR THE PREPARATION OF pH SENSITIVE, MUCOADHESIVE HYDROGEL NANOPARTICLES FOR SYSTEMIC DELIVERY OF WATER SOLUBLE DRUGS THROUGH ORAL ROUTE	Amarnath Maitra; Subho Mozumdar; Susmita Mitra; Drubajyoti Bharali	India	613/DEL/2003	16-04-2003	Patent Granted on 27-3-2008	Patent No. IN217609 (Ceased on 16-04-2009)	DEPARTMENT OF CHEMISTRY

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Inventions No.	Title of Invention	Inventor	Country	Application Number	Application Date	Publication Date/ Granted Dated	Publication No./ Patent No./ Remarks	DEPARTMENTS/ COLLEGES/ CENTRES
77	A PROCESS OF PREPARING AN EXTRACT OF ANNONA SQUAMOSA FOR THE TREATMENT OF DIABETES	Vibha Tandon; Geeta Watal; Ramesh Chandra; Rajesh Kumar Gupta; Achyut Narayan Kashari	India	21/DEL/2003	7-1-2003	Patent Granted on 28-3-2008	Patent No. IN 217681 (Ceased on 10-04-2008)	DEPARTMENT OF CHEMISTRY
			PCT	PCT/IN2003/000228	20-6-2003	Published on 22-7-2004	Publication No. WO2004060383	
			Europe	03814526	20-6-2003	Published on 2-11-2005	Publication No. EP1589983 (Deemed to be withdrawn)	
			Australia	2003249586	20-06-2003	Published on 29-7-2004	Publication No. AU2003249586 (Lapsed)	
78	DEVELOPMENT OF CYTOPLASMIC MALE STERILE BRASSICA OLERACEA PLANTS AND THE METHOD OF PRODUCING SUCH PLANTS CO-APPLICANT: NATIONAL DAIRY DEVELOPMENT BOARD, GUJARAT	Jagdish Kumar Verma; Yashpal Singh Sodhi; Neelkantan Arumugam; Arundhati Mukhopadhyay; Akshay Kumar Pradhan; Vibha Gupta; Deepak Pental; Alka Srivastava	PCT	PCT/IN2003/000176	5-5-2003	Published on 26-11-2004	Publication No. WO2004098271	DEPARTMENT OF GENETICS
			Australia	2003231927	05-05-2003	Published on 26-11-2004	Publication No. AU2003231927 (Lapsed)	
79	A PROCESS FOR THE SYNTHESIS OF	Akash Jain; Urmila Tawar;	India	32/DEL/2003	9-01-2003	Patent Granted on 17-07-2010	Patent No. IN 241650	

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	BISBENZIMIDAZOLES AND ITS DERIVATIVES.	Ramesh Chandra; B. S. Dwarakanath; N. K. Chaudhury; Vibha Tandon	PCT	PCT/IN2003/000301	08-09-2003	Published on 29-07-2004	Publication No. WO2004063170	Dr. B.R. AMBEDKAR CENTER FOR BIOMEDICAL RESEARCH (ACBR)
			Australia	2003263586	08-09-2003	Published on 10-8-2004	Publication No. AU2003263586 (Lapsed)	
			Europe	3815133	08-09-2003	Patent Granted on 27-04-2011	Patent No. EP 1590332 B1 (Lapse because of non-payment of due fees)	
80	NOVEL GENE OSISAP1 OF RICE CONFERS TOLERANCE TO STRESSES AND A METHOD THEREOF CO-APPLICANT: DEPARTMENT OF BIOTECHNOLOGY, NEW DELHI	Akhilesh Kumar Tyagi; Arnab Mukhopadyay; Shubha Vij	India	1317/DEL/2002	31-12-2002	Published on 9-04-2010	Published in J. No. 15/2010 (Not Granted due to NBA issues, Dated: 01/12/2015-Controller's	DEPARTMENT OF PLANT MOLECULAR BIOLOGY
			PCT	PCT/IN2003/000397	23-12-2003	Published on 15-7-2004	Publication No. WO2004058963	
			Australia	2003288710	23-12-2003	Published on 22-7-2004	Publication No. AU2003288710 (Lapsed)	
			USA	10/540956	23-12-2003	Patent Granted on 18-8-2009	Patent No. US7576263	
			Japan	2004562833	23-12-2003	Patent Granted on 31-7-2013	Patent No. JP5253710	

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			China	CN200380109505	23-12-2003	Patent Granted on 17-10-2007	Patent No. CN1771258	
			Europe	03780613	23-12-2003	Patent granted on 10-12-2008 (Designated in: GB, FR, DE)	Patent No. EP 1 578 790 (Lapse because of non-payment due to fees)	
81	PROCESS FOR THE ISOLATION AND PURIFICATION OF HIGHER YIELD OF PROTEIN P17 OF HIV-1(SUBTYPE C)(A NON LIVING PROTEIN	Vijay Kumar Chaudhary; Amita Gupta; Kajal Arora; Sanjay Gupta	India	808/DEL/2003	16-06-2003	Patent Granted on 19-11-2010	Patent No. IN244134 (Ceased on 01-12-2010)	DEPARTMENT OF BIOCHEMISTRY
82	LAMBDA PHAGE DISPLAY SYSTEM AND THE PROCESS	Vijay Kumar Chaudhary; Amita Gupta; Sankar Adhya; Ira Pastan	India	566/DEL/2002	20-5-2002	Patent Granted on 5-3-2007	Patent No. IN199578 (Ceased on	
			PCT	PCT/IN2003/00193	20-5-2003	Published on 27-11-2003	Publication No. WO2003096969	
			Australia	2003245036	20-5-2003	Published on 02-12-2003	Publication No. AU2003245036 (Lapsed)	DEPARTMENT OF BIOCHEMISTRY

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Inventions No.	Title of Invention	Inventor	Country	Application Number	Application Date	Publication Date/ Granted Dated	Publication No./ Patent No./ Remarks	DEPARTMENTS/ COLLEGES/ CENTRES
			USA	10/515150	20-5-2003	Patent Granted on 12-8-2008	Patent No. US7410801 (Expired due to failure to pay maintenance fee)	
83	A NOVEL POLYMERASE CHAIN REACTION (PCR) BASED METHOD FOR RAPID DETERMINATION OF FLANKING SEQUENCES THAT DO NOT INVOLVE INITIAL MANIPULTION OF GENOMIC DNA CO-APPLICANT: DEPARTMENT OF BIOTECHNOLOGY, & ICGEB, NEW DELHI	Manu Agarwal; Chandan Sahi; Anil Grover; M.K. Reddy; S. K. Sopory	India	39/DEL/2002	18-01-2002	Published on 30-11-2007	Published in J. No. 48/2007 (Application Abandoned U/S 21(1))	DEPARTMENT OF PLANT MOLECULAR BIOLOGY
84	A NON-AGGREGATING DERIVATIVE OF HIV-1 P24 FOR HAEMAGGLUTINATION BASED RAPID DETECTION OF ANTIBODIES TO HIV IN WHOLE BLOOD	Vijay Kumar Chaudhary; Amita Gupta; Kajal Arora; Sanjay Gupta	India	1149/DEL/2001	13-11-2001	Published on 27-04-2007	Published in J. No. 17/2007 (Abondoned)	DEPARTMENT OF BIOCHEMISTRY

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Inventions No.	Title of Invention	Inventor	Country	Application Number	Application Date	Publication Date/ Granted Dated	Publication No./ Patent No./ Remarks	DEPARTMENTS/ COLLEGES/ CENTRES
85	PROCESS OF ENTRAPPING GENETIC MATERIALS IN ULTRA-LOW SIZE NANOPARTICLES OF INORGANIC COMPOUNDS TO FORM NON-VIRAL CARRIERS	Amarnath Maitra; Subho Mozumdar; Susmita Mitra; Indrajit Roy	India	823/DEL/2001	01-08-2001	24-4-2004	Publication No. IN192520 (Application Lapsed)	DEPARTMENT OF CHEMISTRY
			USA	10/201247	24-07-2002	Patent Granted on 29-4-2003	Patent No. US6555376 (Expired due to failure to pay maintenance fee)	
86	MULTIFUNCTION INTERFACE DEVICE FOR USE, INTER ALIA, IN LABORATORY PROCEDURES	Pratibha Jolly; R. Vijayaraghavan; Prashant Mehendru; Mallika Verma	India	793/DEL/2001	24-07-2001	Published on 27-02-2009	Published in J. No. 09/2009 (Deemed to be Withdrawn U/S 11B(4))	(Dr. PRATIBHA JOLLY) PHYSICS DEPARTMENT, MIRANDA HOUSE COLLEGE
			PCT	PCT/IN02/00150	15-07-2002	Published On 06-2-2003	Publication No. WO03010612 Withdrawn in National phase	
			Australia	2002319900	15-07-2002	Published on 17-2-2003	Publication No. AU2002319900 (A8) (Lapsed)	

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Inventions No.	Title of Invention	Inventor	Country	Application Number	Application Date	Publication Date/ Granted Dated	Publication No./ Patent No./ Remarks	DEPARTMENTS/ COLLEGES/ CENTRES
87	A PROCESS FOR PREPARING A RECOMBINANT FUSION PROTEIN USED FOR THE DETECTION OF HIV ANTIBODIES	Vijay Kumar Chaudhary; Amita Gupta; Sanjay Gupta	India	569/DEL/2001	14-05-2001	Patent Granted on 18-01-2007	Patent No. IN199888 (Ceased on 14-05-2011)	DEPARTMENT OF BIOCHEMISTRY
88	SUSTAINED RELEASE OPHTHALMIC FORMULATIONS COMPRISING A MICELLE SOLUTION OF A RANDOM BLOCK COPOLYMER AND A HYDROPHOBIC DRUG CO-APPLICANT: V.P. CHEST INST, DELHI	Amarnath Maitra; Ajay Kumar Gupta; Dipak Majumdar; Sumita Mitra	India	0845/DEL/2000 (MERGE WITH 79)	18-9-2000	Patent Granted on 21-7-2009	Patent No. IN199515 (Lapsed)	DEPARTMENT OF CHEMISTRY
			Germany	10145910.6	18-09-2001	Published on 20-06-2002	Publication No. DE10145910 Lapsed	
			USA	09/954722 US 20020064513	18-09-2001	Patent Granted on 17-06-2003	Patent No. US6579519 (Lapse for failure to pay maintenance fee)	
			Great Britain	0122606.9	18-09-2001	Patent Granted on 27-4-2005	Patent No. GB2369297 (Patent ceased through non-payment of renewal	
89	REGULATION OF LETHAL GENE EXPRESSION IN PLANTS	Deepak Pental; Arun Jagannath; Panchali Bandyopadhyay;	PCT	PCT/IN2000/000058	30-05-2000	Published on 12-6-2001	Publication No. WO2001092544	

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Inventions No.	Title of Invention	Inventor	Country	Application Number	Application Date	Publication Date/ Granted Dated	Publication No./ Patent No./ Remarks	DEPARTMENTS/ COLLEGES/ CENTRES
	CO-APPLICANT: NATIONAL DAIRY DEVELOPMENT BOARD,GUJRAT,IN	Bandyopadhyay; Neelakantan Arumugam; Vibha Gupta; Pradeep Kumar Burma	Canada	2449250	30-05-2000	Patent Granted on 14-8-2012	Patent No. CA2449250 (In-force)	DEPARTMENT OF GENETICS
			USA	09/633274	04-08-2000	Patent Granted on 21-12-2004	Patent No. US6833494 (In-force)	
			Australia	6863700	11-12-2001	Published on 28-2-2002	Publication No. AU6863700 (Lapsed)	
90	NOVEL 'OXY' CMS BRASSICA NAPUS PLANT CORRECTED FOR CHLOROSIS USING HEXAPLOID BRIDGING MATERIAL GENERATED THROUGH PROTOPLAST FUSION AND A METHOD OF PRODUCING THE PLANT CO-APPLICANT: NATIONAL DAIRY DEVELOPMENT BOARD, GUJARAT	Deepak Pental; Arundhati Mukhopadhyay; Vibha Gupta; Neelakantan Arumugam; Yashpal Singh Sodhi; Jagdish Kumar Verma; Akshay Kumar Pradhan	PCT	PCT/2000/00006	28-1-2000	Published on 2-08-2001	Publication No. WO200154487	DEPARTMENT OF GENETICS
			Europe	00911237	28-1-2000	Published on 22-1-2003	Publication No EP1276367 (with drawn)	
			Canada	2398273	25-02-2002	Published on 2-8-2001	Publication No. CA2398273 Dead)	
			USA	10/206642	26-7-2002	Published on 12-6-2003	Publication No. US20030110538 (Abandoned)	
			Australia	33222/00	27-8-2002	Published on 7-8-2001	Publication No. AU3322200 (Lapsed)	
91	A PROCESS FOR PREPARING A NOVEL ANTI-FUNGAL DRUG CONTAINING AMPHOTERICIN B OR OTHER POLYENE ANTIBIOTICS	Amarnath Maitra; Susmita Mitra; Mona Sahni	India	1000/COL/1999	19-12-1999	Published on 9-8-2003	Publication No. IN190580 (A1) Lapsed	DEPARTMENT OF CHEMISTRY

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Inventions No.	Title of Invention	Inventor	Country	Application Number	Application Date	Publication Date/ Granted Dated	Publication No./ Patent No./ Remarks	DEPARTMENTS/ COLLEGES/ CENTRES
92	A PROCESS FOR THE ISOLATION AND PURIFICATION OF PROTEIN P17 OF HIV-1 SUBTYPE B CO-APPLICANT: DEPARTMENT OF BIO-TECHNOLOGY, N DELHI	Vijay Kumar Chaudhary; Sanjay Gupta; Kajal Arora; Amita Gupta	India	1478/DEL/1999	12-11-1999	Published on 29-11-2003	Publication No. IN191365 (Abondoned)	DEPARTMENT OF BIOCHEMISTRY
93	A PROCESS FOR THE PREPARATION OF LIPASE FROM THE FUNGUS ASPERGILLUS CARNEUS	Rajendra Kumar Saxena; Rani Gupta; Winlet Sheba Davidson	India	1379/DEL/1999	15-10-1999	Published on 06-03-2004	Publication No. IN192176 (Withdrawn)	DEPARTMENT OF MICROBIOLOGY
94	A PROCESS FOR THE ISOLATION OF OPTICALLY PURE S-ENANTIOMER OF CYANOHYDRIN OF M-PHENOXYBENZALDEHYDE	Rajendra Kumar Saxena; Rani Gupta; Winlet Sheba Davidson	India	1378/DEL/1999	15-10-1999	Published on 06-03-2004	Publication No. IN192175 (Lapsed)	DEPARTMENT OF MICROBIOLOGY
95	STABLE CYTOPLASMIC MALE STERILE BRASSICA CAMPESTRIS PLANT WHICH CONTAIN "POLIMA" CYTOPLASM AND METHOD FOR OBTAINING SUCH PLANTS	Jagdish Kumar Verma; Yashpal Singh Sodhi; Neelkantan Arumugam; Arundhati Mukhopadhyay; Akshay Kumar	PCT	PCT/IN99/00054	28-9-1999	Published on 4-5-2001	Publication No. WO2001022805	
			EP	99962500	30-4-2001	Published on 10-07-2002	Publication No. EP1220601 (Deemed to be	

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Inventions No.	Title of Invention	Inventor	Country	Application Number	Application Date	Publication Date/ Granted Dated	Publication No./ Patent No./ Remarks	DEPARTMENTS/ COLLEGES/ CENTRES
	CO-APPLICANT: NATIONAL DAIRY DEVELOPMENT BOARD,GUJRAT,IN	Pradhan; Vibha Gupta; Deepak Pental					withdrawn)	DEPARTMENT OF GENETICS
			Canada	2385464	20-3-2002	Published on 05-04-2001	Publication No. CA2385464 (Dead)	
			Australia	1889600	21-01-2005	Published on 3-3-2005	Publication No. AU1889600 (Lapsed)	
96	A PHARMACEUTICAL COMPOSITION BASED ON NANOPARTICLES OF POLYMERIC MICHELLES CONTAINING PACLITAXEL CO-APPLICANT: DABUR RESEARCH FOUNDATION, IN	Amarnath Maitra; Sanjeeb Kumar Sahoo; Prasanta Kumar Ghosh; Anand C. Burman; Rama Mukherjee; Dhiraj Khattar; Mukesh Kumar; Soumendu Paul	USA	09/401927	23-09-1999	Patent Granted on 27-11-2001	Patent No. US6322817 (in force) (Assigned to Fresenius Kabi Oncology Ltd in 2009 via Dabur Pharma Ltd)	

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Inventions No.	Title of Invention	Inventor	Country	Application Number	Application Date	Publication Date/ Granted Dated	Publication No./ Patent No./ Remarks	DEPARTMENTS/ COLLEGES/ CENTRES
		Soumendra Patra	India	641/DEL/2000	11-7-2000	Patent Granted on 14-11-2007	Patent No. IN212068	DEPARTMENT OF CHEMISTRY
97	FERTILITY RESTORER GENE FOR "POLIMA" CYTOPLASMIC MALE STERILITY CO-APPLICANT: NATIONAL DAIRY DEVELOPMENT BOARD, GUJRAT, IN	Deepak Pental; Arundhati Mukhopadhyay; Vibha Gupta; Neelakantan Arumugam; Yashpal Singh Sodhi; Jagdish Kumar Verma; Akshay Kumar Pradhan	India	1230/DEL/1999	15-9-1999	Published on 1-8-2008	Publicatio J.No. 31/2008 (Deemed to be withdrawn)	DEPARTMENT OF GENETICS
			PCT	PCT/IN1999/000051	28-9-1999	Published on 5-4-2001	Publication No. WO2001022804 (Withdrawn)	
			Canada	2385416	5-4-2001	Published on 20-3-2002	Publication No. CA2385416 (Dead)	
			Europe	99962497	28-9-1999	Published on 10-7-2002	Publication No. EP1220600 (withdrawn)	

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Inventions No.	Title of Invention	Inventor	Country	Application Number	Application Date	Publication Date/ Granted Dated	Publication No./ Patent No./ Remarks	DEPARTMENTS/ COLLEGES/ CENTRES
			Australia	18893/00	30-04-2001	Published on 28-6-2001	Publication No. AU1889300 (Lapsed)	
98	A PROCESS FOR THE PREPARATION OF WATER BASED STABLE MICRO-EMULSION FORMULATION OF NEEM OIL	Amarnath Maitra; Lalitesh Kumar Thakur; Dibyendu Sengupta	India	774/DEL/1999	24-05-1999	Published 23-8-2003	Publication No. IN190838 A1 (abandoned)	DEPARTMENT OF CHEMISTRY
99	PROCESS FOR THE PREPARATION OF HIGHLY MONO-DISPERSED POLYMERIC HYDROPHILIC NANO-PARTICLES CO-APPLICANT: DEPARTMENT of BIOTECHNOLOGY, DELHI	Amarnath Maitra; Prashant Kumar Ghosh; Tapas K. De; Sanjeeb Kumar Sahoo	India	263/DEL/1999	17-2-1999	Published on 4-1-2003	Publication No. IN91203 Lapsed	DEPARTMENT OF CHEMISTRY
			USA	08/779904	7-1-1997	Patent Granted on 23-2-1999	Patent No. US5874111 (in force)	
			Europe	97303127	8-5-1997	Patent granted on 12-9-2007	Patent No. EP0877033 (Lapsed in 2009)	
			Japan	JPH10330406	15-12-1998	Patent Granted on 01-12-2006	Patent No. JP3887454 (Lapsed in Dec 2009) (Cancellation because of no payment of annual fees)	

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100	AN ENZYMATIC METHOD FOR PREPARATION OF BREAD	Rani Gupta; Rajendra Kumar Saxena; Paresh Gigras	India	3430/DEL/1998	17-11-1998	Published on 06-03-2009	Published in J. No. 10/2009 (Application abandoned)	DEPARTMENT OF MICROBIOLOGY
101	CLONING VECTORS FOR AMYCOLATOPSIS SP. AND A PROCESS FOR THE PREPARATION THEREOF CO-APPLICANT: DEPARTMENT OF BIOTECHNOLOGY, NEW DELHI	Rup Lal	Europe	97303126	08-05-1997	Published on 11-11-1998	Publication No. EP0877087 (Withdrawn)	DEPARTMENT OF ZOOLOGY
			USA	08/853097	08-05-1997	Patent Granted on 16-11-1999	Patent No. US5985560 (Lapsed)	
102	A PROCESS FOR PREPARING MONOCLONAL ANTIBODIES AGAINST GiiIP AND ViiIP OF FILAMENTOUS PHAGE M13 CO-APPLICANT: DEPARTMENT OF BIOTECHNOLOGY, N. DELHI	Vijay Kumar Chaudhary	India	767/DEL/1994	17-06-1994	Patent Granted on 02-10-1999	Patent No. IN183198 (Expired due to failure to pay maintenance fee)	DEPARTMENT OF BIOCHEMISTRY