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**Patent List as on 1 March, 2018**

S.No	Name of Faculty	Date of Patent	Patent Application No.	Title of Patent	Status (India)	PCT Date	Status (Other Country)
1.	Prof. K.J .Mukherjee (SBT)	11/09/2000	822/DEL/2000	A Process of preparing high yield of xylanase protein from Bacillus species.	Granted Patent No. 237529 (01/01/2010)	*	*
2.	Prof. Rakesh Bhatnagar (SBT)	05/11/2001	1127/DEL/2001	A Process for constitutively preparing anthrax Protective antigen.	Granted Patent No.	PCT/IN2001/00215 (07/12/2001)	Granted
3.	Prof. Rakesh Bhatnagar (SBT)	05/12/2001	1222/DEL/2001	A METHOD FOR PRODUCING MUTAGENIZED ANTHRAX TOXIN PROTEIN/ A Process for preparation of Non-Toxic Anthrax vaccine.	Granted Application No. 230991	PCT/IN2002/00004 8 (20/03/2002)	Granted  10,497673 USA
4.	Prof. Rakesh Bhatnagar (SBT)	25/10/2002	1074/DEL/2002	An Anthrax Protective Anitgen	Granted Patent No. 254872	*	*
5.	Prof. B. N.Mallick (SLS)	17/07/2003	10/622,128 USA	Method for identification and/or diagnosis of REM sleep loss from blood samples	*	*	Granted USA Patent No. 7,12,724
6.	Prof. Prasanjit Sen (SPS)	25/06/2003	840/DEL/2003	A NOVEL PROCESS AND APPARATUS FOR PRODUCING	Granted Patent No. 244112	*	*

				METAL NANOPARTICLES			
7.	Prof. R. Bhatnagar (SBT)	28/05/2004	2001274653 Europe	High level constitutive production of anthrax protective antigen	Granted 13/10/2010	*	*
8.	Prof. Prasanjit Sen (SPS)	04/01/2006	39/DEL/2006	A NOVEL PROCESS FOR DETECTING HUMAN HAEMOGLOBIN VARIANTS	Application Refused U/S 15	*	*
9.	Prof. Aparna Dixit (SBT)	30/03/2007	716/DEL/2007	Antidiabetic Protein	IN ORDER FOR GRANT UNDER SECTION 43,AWAITING NBA APPROVAL	2008738396.4 (Europe)  12/595 (USA)	Granted (18/7/2012) (2132222)  Granted(11 March 2014) (8669348)
10.	Prof. Aparna Dixit (SBT)	08/08/2007	2099/DEL/2007	RECOMBINANT AND DNA VACCINE AGAINST AEROMONAS HYDROPHILA INFECTION	Application Abandoned U/S 21(1)	*	*
11.	Prof. R. Bhatnagar (SBT)	21/05/2007	1092/DEL/2007	INSECTICIDAL XNGROEL PROTEIN OF XENORHABDUS NEMATOPHILA	Application Refused U/S 15	*	*
12.	Prof. R. Bhatnagar (SBT)	12/11/2007	2355/DEL/2007	DAN VACCINE AGAINST ANTHRAX	Application Abandoned U/S 21(1)	PCT/IN2008/00076 1 (07/11/2008)	Granted
13.	Prof. Santosh Kar (SBT)	31/07/2008	1872/DEL/2008	Curcumin Nanoparticles and Methods of Producing	Not shown on IPR Portal	PCT/IB2009/05334 2 (31/07/2009)	Granted

				the same.			
14.	Prof. Ashwani Pareek (SLS)	11/08/2008	1896/DEL/2008	HYBRIDE-TYPE HISTIDINE KINASE GENE ISOLATED FROM INDICA RICE IR64, AND CLONES PRODUCED THEREBY	Under Process	PCT/IN2009/00044 4  (10/08/2009)  2009806540 11/03/2011	Granted 12011500293 (Philippines)  13058741(USA)
15.	Prof. Ashwani Pareek (SLS)	15/07/2008	1682/DEL/2008	METHOD FOR ENHANCING REGENERATION FREQUENCY OF BRASSICA SPECIES AND MEDIUM THEREFOR	Under Process	PCT/IN2009/00018 8 20/03/2009	Granted
16.	Prof. S.K. Sharma (USIC)	05/12/2008	2759/DEL/2008	AN IMPROVED BATTERY CASING FOR ENHANCED BATTERY PERFORMANCE AND LIFE	Application Abandoned U/S 21(1)	*	Granted
17.	Prof. R. Bhatnagar (SBT)	26/12/2008	2947/DEL/2008	AN IMMUNODOMINANT B-CELL EPI TOPE BASED PROTEIN VACCINE AGAINST ANTHRAX AND METHOD OF PREPARATION THEREOF	Application examined FER issued	PCT/IN2009/00023 0 <b>08/04/2009</b>	Granted
18.	Prof. R. Bhatnagar (SBT)	17/06/2008	1499/DEL/2008	A Pharmaceutical composition of vaccine against rabies which comprises of DNA vaccine based on Glycoprotein gene of rabies virus conjugated to LAMP-I	Applied	PCT/IN2008/00057 8 <b>10/09/2008</b>	Granted

				signal sequence of the C-Terminus and an adjuvant and Method of its preparation thereof.			
19.	Prof. Ashwani Pareek (SLS)	26/11/2009	2437/DEL/2009	METALLOTHIONEIN POLYNUCLEOTIDE FROM RICE CONFERRING ABIOTIC STRESS TOLERANCE IN PLANTS	Application Awaiting Examination	*	*
20.	Prof. Ashwani Pareek (SLS)	08/03/2010	525/DEL/2010	A METHOD TO ENHANCE MULTIPLE ABIOTIC STRESS TOLERANCE OF CROP PLANTS BY OVER EXPRESSIN OF CYSTATHIONINE-B-SYNTHASE DOMAIN CONTAINING GENE AND CYSTATHIONINE-B-SYNTHASE DOMAIN CONTAINING GENE THEREFOR	Application Awaiting Examination	*	*
21.	Prof. R. Bhatnagar (SBT)	25/03/2010	714/DEL/2010	A NOVEL BISPECIFIC MONOCLONAL ANTIBODY CAPABLE OF CROSS REACTING WITH LETHAL FACTOR (LF) AND EDCMA FACTOR (EF), AND	Under Process	20130017201 (USA) <b>22/03/2011</b>	Applied

				NEUTRALIZING EDEMA TOXIN (ET) AS WELL AS LETHAL TOXIN (LT) OF BACILLUS ANTHRACIS			
22.	Prof. R.k.Tyagi (SCMM)	03/03/2010	464/DEL/2010	STABLE INTEGRATION OF A XENOBIOTIC RECEPTOR PROMOTER-REPORTER DNA CONSTRUCT INTO A HUMAN LIVER CELL LINE FOR EVALUATING THE DRUGS BY HIGH THROUGHPUT SCREENING	Application Awaiting Examination	*	*
23.	Prof. H.B. Bohidar (SPS)	13/09/2010	2184/DEL/2010	UN-FUNCTIONALIZED CARBON NANOPARTICLES HAVING FLUORESCENCE CHARACTERISTICS , METHOD OF PREPARATION THEREOF, AND THEIR USE AS BIOIMAGING AND SOLVENT SENSING AGENTS	Application Awaiting Examination	*	*

24.	Dr. Dipankar Ghosh (SCMM)	17/02/2011	407/DEL/2011	SELECTIVE DETECTION AND ANALYSIS OF SMALL MOLECULES	Application awaits examination	PCT/IN2012/00011 3 <b>15/02/2012</b>  113/US1306(USA)  (16/08/2013)  12714045.7 (Eurpoe)  (17/09/2013)	Granted
25.	Prof. Rameshwar N.K. Bamezai (SLS)	07/07/2011	1920/DEL/2011	AN ANTICANCER COMPOSITION COMPRISING MICRO RAN MIR-24-2	Application awaits examination	*	*
26.	Prof. H.K. Das (SBT)	12/02/2012	465/DEL/2012	RECOMBINANT NITROGEN FIXING MICROORGANISM AND USES THEREOF	Application awaits examination	PCT/IN2013/00041 1  04/03/2013	Granted  USA, China
27.	Prof. Suman Kumar Dhar (SCMM)	24/08/2012	2630/DEL/2012	ACRIFLAVIN (ACF) AS AN ANTI-MALARIAL AGENT	Application Awaiting Examination	PCT/IN2013/00041 1  04/07/2013	Granted  14/423,477  (USA)
28.	Prof. Rajendra Prasad (SLS)	12/09/2012	2893/DEL/2012	PEPTIDES FOR MODULATING DRUG RESISTANCE IN YEAST	Application Awaiting Examination	*	*
29.	Prof. Indu Shekhar Thakur (SES)	30/07/2014	2147/DEL/2014	A SYSTEM AND METHOD FOR PRODUCTION OF BIOFUEL FROM CARBON DIOXIDE	Application Published	*	*

				CONCENTRATING ENDOLITHIC BACTERIUM SERRATIA SP. ISTB 104			
30.	Prof. H.B. Bohidar (SCNS)	01/07/2015	1990/DEL/2015	Self-healing and recovery of Gelatin- Ionic Liquid, Ionogel	Application Published	*	*
31.	Prof. Supriya Chakroborty (SLS)	24/08/2015	2619/DEL/2015	DEVELOPMENT OF CHILLI LEAF CURL VIRUS DNA-BASED CHIMERIC CONSTRUCT FOR EFFICIENT PLANT INOCULATION	Application Published	*	*
32.	Prof. Supriya Chakroborty (SLS)	24/08/2015	2620/DEL/2015	CHILLI LEAF CURL VIRUS BASED VECTOR FOR TISSUE SPECIFIC (PHLOEM) SILENCING OF ENDOGENOUS GENE AND OVER- EXPRESSION OF FOREIGN GENES	Application Published	*	*
33.	Prof. Rana P. Singh(SLS)	15/09/2015	2889/DEL/2015	A NOVEL AND SELECTIVE RADIOSENSITIZIN G AGENT FOR PROVIDING MECHANISM- BASED RADIOSENSITIZIN G EFFECTS IN PROSTATE CANCER	Application Published	*	*
34.	Prof. A. Pareek (SLS)	23/09/2015	3016/DEL/2015	A METHOD FOR SILENCING THE EXPRESSION OF A MEMBER OF TWO-	Application Published	*	*

				COMPONENT SYSTEM-OSPRRL TO INCREASE SALINITY STRESS TOLERANCE IN RICE			
35.	Prof. Vibha Tondan (SCMM)	28.07.2016	900177075	DMA, A Bis-Benzimidazole, Confers Radioprotection to the intestine via AKT/INFKB dual pathway activation	*	*	*
36.	Prof. H.B Bohidar (SPS)	28.07.2016	201611025920	Biocompatible Clay Ionogel Based Non-Enzymatic Oxalic Acid Sensor	Application awaiting examination	*	*
37.	Prof. Vibha Tondan (SCMM)	05.08.2016	ANG/VT-JNU/0005/2016-17	DMA, A BIS-BENZIMIDAZOLE, CONFERS RADIOPROTECTION TO THE INTESTINE VIA AKT/NFKB CUAL PATHWAY ACTIVATION IN TUMOR BEARING MICE	*	*	*
38.	Prof. H.B Bohidar (SPS)	01.09.2016	201611029865	Hydrogen ion implanted enzyme – free clay based cholesterol sensor	Application not yet published	*	*
39.	Prof. H.B Bohidar (SPS)	24.09.2016	201611032667	Nanoclay and Ionic Liquid Based Electrochemical Sensor for Ascorbic Acid, Citric Acid and Cholesterol Detection	Application not yet published	*	*
40.	Dr. Pratima (SCNS)	24.09.2016	201611032666	Electrochemical immunosensor for	Application not yet published	*	*



				cytokeratin fragment			
41.	Prof. H.B Bohidar (SPS)	19.12.2016	201611043211	Copper-Indium-Gallium-Selenium nanocrystal for detection of water in deuterium oxide at ppm level	Application not yet Published	*	*
42.	Dr. Pratima (SCNS)	15.12.2016	201611044533	L-cystine functionalized magnetic nanoadsorbment for Pb <sup>2+</sup> and Cr <sup>6+</sup> removal from water.	Application not yet Published	*	*
43.	Prof. H.B Bohidar (SPS)	31.01.2017	201731003559	CdSe quantum dot embedded gelatin matrix based hydrogen peroxide strip sensor.	Application Does not exist	*	*
44.	Prof. I. S. Thakur (SES)	17.05.2017	201711017261	A system and method for production of biofuel from CO <sub>2</sub> concentrating bacterial amended in municipal sludge.	Application not yet published	*	*
45.	Dr. Jaydeep Bhattacharya (SBT)	2017	201711020373	Bio-Engineered Mesoporous Dialysis Nano-Beads for the specific removal of excess body toxins, water & ions from kidney failure.	Application not yet published	*	*
46.	Prof. R.K.Tyagi (SCMM)	08/05/2017	201711016149	Generation and characterization of hybridoma clones producing monoclonal antibodies against specific.	Application not yet Published	*	*
47.	Dr. Pratima R. Solanki (SCNS)	27.10.2017	201711038137	A Noval Electrochemical Sensing Platform for	Application not yet published	*	*

				Detection of Biological elements.			
48.	Dr. Pratima R. Solanki (SCNS)	27.10.2017	201711038138	An electrochemical sensing platform for detection of IL-8 using electrochemical sensing platform.	Application not yet published	*	*
49.	Prof. R. Bhatnagar, ( SBT)	18.10.2017	201711036999	Characterization and Adjuvant Potential of Poly- $\alpha$ -L-Glutamine of Mycobacterium tuberclausis H37Rv.	Application not yet published	*	*
50.	Prof. R. Bhatnagar	17.10.2017	201711036889	A Novel Anthrax Vaccine	Application not yet published	*	*
51.	Dr. B.S.Balaji, (SBT)	10.11.2017	201711040249	Efficient & Selective N-Halocyclation of Amino Alcohals	Application not yet published	*	*
52.	Dr. B.S.Balaji, (SBT)	10.11.2017	201711040250	Efficient & Selective N-Halocyclation of Amines.	Application not yet published	*	*

\*Information not available