

### Patents in-Force in Abroad: June, 2018

SL. NO.	COUNTRY	FILING DATE	GRANT DATE	TITLE	IICB SCT.	REMARKS
1.	USA	2-Oct-2000	08-Jun-2004	Herbal composition for treating asthma	Dr. Bikash C Pal	TRF
2.	USA with Divisionals  CHINA AUSTRALIA GRT BRIT GERMANY JAPAN	08-Oct-2004 30-Jul-2002 23-Nov-2009 02-Apr-2007 31-Mar-2003 26-Mar-2003 28-Mar-2003 03-Jun-2003 31-Mar-2003	11-Dec-2007 08-Feb-2005 04-Oct-2011 09-Mar-2010 05-Jul-2006 03-Mar-2006 09-Jun-2004 29-Apr-2010 13-Jul-2012	Herbal composition for treating CD33+ acute and chronic myeloid leukemia and a method thereof.  Antimonocytic activity of betel leaf extract	Dr.Santu Bandyopadhyay	TRF
3.	USA CHINA JAPAN EUROPE (Germany, France, Gr Britain) AUSTRALIA USA	10-Aug-2001 10-Feb-2004 09-Feb-2004 5-Feb-2004 12-Jan-2004 1-Nov-2001	02-Jul-2002 20-May-2009 19-Feb-2010 19-Jan-2005 10-Aug-2004	An improved formulation for the treatment of asthma by blocking 5 lipoxygenase activity	Dr.Santu Bandyopadhyay	

4.	USA	17-Aug-2005	06-Nov-2007	Anti peptic ulcer activity of an extract of a flower of <i>Woodfordia fruticosa</i>	Dr. Pratap K Das	
5.	EUROPE (Germany, Gr Britain) CHINA	26-Mar-2008 25-Aug-2006	17-Mar-2010 02-Jan-2013	A pharmaceutical composition useful for the treatment of prostate cancer	Dr. Bikash C Pal	
6.	EUROPE (Germany, France, Gr Britain) USA AUSTRALIA JAPAN	12-Feb-2007 20-Aug-2008	28-Sep-2011 26-Feb-2013 25-Mar-2013 12-Jul-2013	Bioactive fraction from plant <i>Woodfordia fruticosa</i>	Dr. Pratap K Das	
7.	USA	13-Mar-2007	03-Sep-2013	DNA vaccine as an immunoprophylactic agent against leishmaniasis	Dr. Syamal Roy	
8.	KENYA SOUTH AFRICA USA	01-Dec-2009 30-Nov-2009 27-May-2008	19-Aug-2011 28-Jul-2010 20-May-2014	Acasiaside B: A prophylactic contraceptive for HIV infection/AIDS Pharmaceutical composition having virucidal and spermicidal activity	Dr. S N Kabir	
9.	CHINA EUROPE (Germany, France, Gr Britain)	16-Jul-2010 24-Jun-2010	16-Oct-2013 27-Jul-2016	Methanolic extract of piper betel leaves for the treatment of human malignancies by inducing oxidative stress	Dr. Santu Bandyopadhyay	
10.	SOUTH AFRICA USA CHINA EUROPE (Grt. Britain)	07-Nov-2011 06-Feb-2012 23-May-2012 09-Sep-2011	27-Dec-2012 21-Jul-2015 20-Jan-2016 23-Mar-2016	Triazine-aryl-bis-indoles and process for preparation thereof triazine-aryl-bis-indoles and process for preparation thereof	Dr. Arun Bandyopadhyay	

11.	USA	03-Feb-2012	27-Aug-2013	A molecule from herbal origin for the treatment of bronchial asthma	Dr. Arun Bandyopadhyay	
12.	USA	09-Mar-2012	28-Jan-2014	An improved process for the isolation of organic compounds useful for the treatment of cancer	Dr. Chitra Mandal	
13.	USA EUROPE (Grt Britain, Germany, France) JAPAN	12-Mar-2013 09Apr-2013 13-Mar-2013	02-Dec-2014 16-Dec-2015 15-Jan-2016	Tryptamine derivatives, their preparation and their use in gastropathy	Dr. Uday Bandyopadhyay	
14.	South Africa	13-Oct-2011	26-Aug-2015	Biomarker for valvular heart disease	Dr. Arun Bandyopadhyay	
15.	USA EUROPE (Grt Britain, Germany, France)	28-Aug-2009 28-Aug-2009	08-Sept-2015 27-Jul-2016	Protein coding RNA to correct mitochondrial dysfunction	Dr. Samit Adhya	
16.	USA	12-Jul-2011	22-Mar-2016	Inhibitors of nuclear factor-kappa B (NF-κB) and inflammatory cytokines	Dr. P Jaisankar / Dr.Santu Bandyopadhyay	
17.	USA	09-Oct-2013	05-Apr-2016	Inhibitors of IL-4 and IL-5 for the treatment of Bronchial Asthma	Dr. Arun Bandyopadhyay / Dr.Santu Bandyopadhyay	
18.	USA EUROPE (Grt Britain, France) Australia	19-Jul-2013 30-Jul-2013 01-Jul-2013	09-Aug-2016 30-Nov-2016 05-Oct-2017	A synthetic peptide formulation against melanoma and other cancers expressing S100B	Prof. Siddhartha Roy	

*\*TRF – Technology Transferred*

### Patents in-Force in India: June, 2018

SL NO.	FILING DATE	PAT. NO	GRANT DATE	TITLE	IICB SCT.	REMARKS
1.	8-Sep-1999	191209	6-May-2004	A process for the preparation of a novel biomarker specific for o-acetylated sialic acid useful for the diagnosis, monitoring outcome of treatment and prediction of relapse and biomarker prepared thereby	Dr.Chitra Mandal	TRF
2.	30-May-2003	195001	17-Mar-2006	A herbal medicine to treat acute and chronic myeloid leukemia	Dr.Santu Bandyopadhyay	
3.	30-Jan-2002	219446	06-May-2008	A highly cost-effective analytical device for performing immunoassays with ultra high sensitivity	Dr. Tarun K Dhar	
4.	25-Mar-2003	232610	20-Mar-2009	Anti peptic ulcer activity of an extract of a plant flower	Dr.Pratap K Das	
5.	16-Oct-2003	225222	05-Nov-2008	An herbal based composition for treating acute and chronic myeloid leukemia	Dr.Santu Bandyopadhyay	
6.	24-May-06	256052	26-Apr-13	Anti-leishmanial activity of drug entrapped cationic liposomal formulations	Dr.Nahid Ali	
7.	25-Aug-2005	264556	16-Jan-2015	A spectrophotometric system for measurement of vertical velocity of clinical and biological samples	Dr. Debashish Paul	
8.	28-Mar-2007	264798	22-Jan-2015	Antileishmanial activity of Amphotericin B entrapped in cationic liposomal formulation	Dr.Nahid Ali	
9.	29-Jan-2010	288310	12-Oct-2017	Synthetic Phosphodiesterase 4 (PDE 4) Inhibitor with Anti-asthmatic Activity	Dr. Arun Bandyopadhyay	

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### Important Patent Applications Filed in India since 2005

Sl. No.	Complete Filing	Title	Inventors	Remarks
1.	07-10-2005	Leishmanicidal activity of night jasmine leaf extract containing calceolarioside against chronic visceral leishmaniasis	Dr. Sharmila Chattopadhyay & Others	
2.	10-02-2006	Bioactive fraction from plant <i>Woodfordia Fruticosa</i>	Dr. Pratap K Das & Others	
3.	26/04/2006	A pharmaceutical composition useful for the treatment of prostate cancer	Dr. Bikas Chandra Pal, Prof. Samir Bhattacharya & Others	TRF
4.	27/05/2008	Acaciaside-B: A prophylactic contraceptive for human immunodeficiency virus infection/acquired immune deficiency syndrome”	Dr. Syed Nazrul Kabir, Dr. Bikash C Pal & Others	
5.	27/05/2008	Anti-leishmanial activity of paramomycin entrapped in cationic liposomal formulation	Dr. Nahid Ali & Others	
6.	27/10/2008	Methanolic extract of <i>piper betel</i> leaves for the treatment of human malignancies by inducing oxidative stress	Dr. Santu Bandyopadhyay, Dr. Bikas Chandra Pal & Others	
7.	16/03/2009	Novel amino quinoline compounds	Dr. Nahid Ali, Dr. Nb Mondal & Others	
8.	23/04/2008	A non-recombinant membrane antigen and diagnostic kit thereof for detection of visceral leishmaniasis and PKDL	Dr. Nahid Ali & Others	
9.	28/08/2009	Compositions and methods for delivery of protein-coding Rnas to correct mitochondrial dysfunction	Dr. Samit Adhya	

10.	12/01/2010	Inhibitors of phosphatidylinositol-3-kinase (pi3) and inducers of nitric oxide (NO)	Dr. Santu Bandyopadhyay, Dr. Bikas C Pal, Dr. P Jaisankar & Others	
11.	17/01/2011	Synthetic phosphodiesterase 4 (PDE-4) inhibitor with anti-asthmatic activity	Dr. Arun Bandyopadhyay, Dr. Santu Bandyopadhyay & Others	
12.	14/09/2011	Tryptamine derivatives, their preparation and their use in gastropathy	Dr. Uday Bandyopadhyay & Others	
13.	11/10/2011	Biomarker for valvular heart disease	Dr. Arun Bandyopadhyay & Others	
14.	31/01/2012	A synthetic peptide formulation against melanoma and other cancers over-expressing S100B	Prof. Siddhartha Roy & Others	
15.	02/03/2012	Two main component molecules: mahanine and mahanimbine (dehydroxy mahanine) from <i>murraya koenigii</i> for the treatment in glioblastoma and cervical carcinoma and mahanimbine exhibits broad spectrum of anti cancer activity	Dr. Chitra Mandal, Dr. Bikas Chandra Pal & Others	
16.	19/09/2014	Anti -cancer activity of stearylamine bearing cationic liposomal drug formulations	Dr. Nahid Ali & Others	
17.	23/12/2014	A dna vaccine formulation in cationic liposome vehicle useful for maximizing vaccine potency for leishmaniasis	Dr. Nahid Ali & Others	
18.	13/01/2015	A kit useful for measuring a non-recombinant membrane antigen (lag) in the urine sample	Dr. Nahid Ali & Others	

19.	20/03/2017	Blocking toll-like receptor 9 signaling with small molecule antagonist	Dr. Arindam Talukdar, Dr. Dipyaman Ganguly & Others	
20.	06/09/2017	A ldv liposomal formulation of photo system - i for treatment of cancer	Dr. Surajit Ghosh & Others	
21.	08/11/2017	Purine derivatives as toll-like receptor 9 antagonist	Dr. Arindam Talukdar & Others	
22.	15/02/2018	3-indolyl furanoids as inhibitors of matrix metalloproteinase-9 for prevention of gastric ulcer and other inflammatory diseases	Dr. P Jaisankar, Dr. S Swarnakar & Others	
23.	04/05/2018	Peptoid of formula I, pharmaceutical compositions and method for preparation thereof	Dr. Surajit Ghosh & Others	
24.	29/05/2018	Bicyclic topoisomerase I inhibiting compounds, process for preparation and use thereof	Dr. Arindam Talukdar & Others	
25.	01/06/2018	Nonapeptide of formula I, pharmaceutical compositions and methods for preparation thereof	Dr. Surajit Ghosh & Others	

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