

LIST OF PATENTS FROM THE INDIAN INSTITUTE OF CHEMICAL BIOLOGY

Sl. No	Patent Title	Inventors	Filing Country	Application Number/Patent No.	Grant Number/ Date
1	A device useful for the measurement of unrestrained movement of a person in 3-D space with special reference to Parkinson disease	DK Ganguly, A. K. Dasgupta, D. H. G. Ross	INDIA	1454DEL1995	
2	A herbal extract and herein a lupinose as potential anti-diabetic type II drug from Pueraria tuberosa	Samir Bhattacharya, B. C. Pal, A. Bandyopadhyay, S. S. Roy, S. K. Mandal	JAPAN S. AFRICA CANADA CHINA EUROPE USA WORLD	2006/5690 2552954 2.0048E+11 4806442.2 60/535332 PCT/IB04/04273	
3	A highly cost-effective analytical device for performing immunoassays with ultra high sensitivity	Tarun K Dhar, A Pal	DENMARK INDIA	10106409.8 219446	
4	A low molecular weight polypeptide with hydorlysing activity on beta-D-fuctofunarnosy-alpha-D-glucopyranoside	Suman Khowala, S. Choudhury	INDIA	2649DEL2008	
5	A method of augmenting GluT4 phosphorylation and translocation for enhancing insulin signal	Samir Bhattacharya, B. C. Pal, A. Bandyopadhyay, S. S. Roy, S. K. Mandal	INDIA S. AFRICA	02992DEL NP2006 2006/5690	
6	A new cell secreting insulin	Samir Bhattacharya, S. S. Roy, S. Das Gupta, M. Mukherjee	USA INDIA USA	60/367212 0404DEL2003 7129211	
7	A non-recombinant membrane antigen and diagnostic kit thereof for detection of visceral leishmaniasis and PKDL	Nahid Ali, Samiran Saha	INDIA	1039DEL2008	
8	A novel in vitro method to generate dendritic langerhans type cells using platelets	Santu Bandyopadhyay	USA	09/800448	
9	A pharmaceutical composition useful as an antileishmanial agent and a process for the preparation thereof.	Salil C Datta, S. Gupta, S. B. Mukhopadhyay	INDIA	2161DEL2006	
10	A pharmaceutical composition useful for the treatment of peptic ulcer diseases	Sukdeb Banerjee, Pratap K Das, S. Goswami, C. Annalakshmi, N Panda	USA	11/705,476	

11	A pharmaceutical composition useful for treating chronic myeloid leukemia	Santu Bandyopadhyay, B. C. Pal, S. Bharracharyya, K. C. Roy, G. Bandyopadhyay	Canada	2492278	
12	A process for inhibiting germination of monocotylendonae and dicotylendonae plant seeds	Subhabrata Sengupta, K. Majumder, A. Mukherjee	INDIA	0664DEL2006	
13	A process for the isolation of a carbohydrate fraction from feronia linonia possessing antitumour activity	Saima Yasmin, A. K. Sas, P Sur, Ashis K Sen	INDIA	191205	38104
14	A process for the isolation of active principle from Azadirachta indica useful for controlling gastric hyperacidity and gastric ulceration	U Bandyopadhyay, R. Chatterjee, Ranajit K Banerjee	EUROPE USA JAPAN INDIA	EP0787495 B1 5730986 3286778 188667	38469
15	A process for the isolation of an alpha-glucoside inhibitor useful for non-insulin dependent diabetic treatment	Subhabrata Sengupta, AK Chakraborty, A Mukherjee, T. Sarkar, A. K. Naskar	INDIA	0608DEL2006	
16	A process for the isolation of fraction consisting of mainly (-) frullanolide from sphaeranthus indicus possessing antifungal, antibacterial and antiprotozoal activities	Subhabrata Sengupta, A Nayak, P. C. Bandyopadhyay, S. Basu	INDIA	185747	37204
17	A process for the isolation of umbelliferone and apiorylskuminin	Bikash Chandra Pal	INDIA	217908	39536
18	A process for the preparation of 2-methyl-4-(acetanilido) - amino quinoline, a novel compound useful as an anti leishmanial agent	NP Sahu, N B mandal, S. Banerjee, A. P. Kundu, M. Raha	INDIA	191818	38334
19	A process for the preparation of a novel protein having anticoagulant and thrombolytic property	Ranjan Bhadra, A Nayak, P. C. Bandyopadhyay, S. Basu	INDIA	187309	37540
20	A process for the preparation of an enzyme composition containing endo-xylanase and a-L-arabinofuranosidare useful for the improvement of microbial leavening of bakery products	Subhabrata Sengupta, D. Sengupta, M. L. Jana, A. K. Naskar	INDIA	191189	38103

21	A process for the preparation of an extract from human placenta containing glycosphingolipids and endothelin-like constituent peptides useful for the treatment of vitiligo	Ranjan Bhadra, P. Pal, R. Roy, A. K. Datta	INDIA USA JAPAN EUROPE	183075 5690966 3538745; 8/288147 3538745; 96308000.7; 839535	36601
22	A process for the preparation of electron rich proteins useful for ultrasensitive detection of biologically important molecules	Tarun K Dhar, D Bhattacharya, R Bhattacharya	INDIA	185769	37211
23	A reptilian defensin with anti-viral activity	S Chattopadhyay, N. K. Sinha, S. Banerjee, S. Roy, D. J. Chattopadhyay	INDIA	2242DEL2004	
24	A unique computer-based spectrophotometric system with multiple height exposures of the cuvette to determine vertical velocity of spermatozoa for clinical and biological applications	Debasish Paul, G. C Majumder, S Saha, S. Banerjee	INDIA WORLD	1605DEL2004 PCT/IB05/02541	
25	Acaciaside B : A prophylactic contraceptive for human immunodeficiency virus infection / Acquired immune deficiency syndrome	S N Kabir, H. N. Ray, B. C. Pal, D. Mitra	USA INDIA	12/154,847 1179DEL2007	
26	Acaciaside-B: A Prophylactic contraceptive for human immunodeficiency virus infection/acquired immune deficiency syndrome	Syed Nazrul Kabir, H. N. Roy, B. C. Pal, Debashis Mitra	WORLD	PCT/IN08/00332	
27	An adipocyte insulin and a process of treating diabetes	Samir Bhattacharya, S. S. Roy, S. Das Gupta, M. Mukherjee	WORLD	PCT/IN03/00084	
28	An anti-leukemic composition comprising Withaferina-A	Chitra Mandal	INDIA	0836DEL2008	
29	An improved process for the preparation of a probe useful for ultrasensitive visual detection of diagnostically important antigen	Tarun K Dhar	INDIA	185767	37211
30	An improved process for the preparation of solid phase useful for rapid elisa of biologically important molecules	Tarun K Dhar	INDIA	186427	37351

31	An improved process for the synthesis of O-(3,6-di-O-methyl)-beta-D-glucopyranosyl-(1-4)-O-(2,3-di-O-methyl-alpha-L-rhamnopyranosyl)-(1-2)-O-(3-O-methyl-O-L-rhamnopyranosyl)-(1-alpha)-oxyno-nanoyl-bovine serum albumin	Asis K Sen, Kalyan K Sarkar, N Banerjee	INDIA	176678	35468
32	Anti leishmanicidal activity of betel leaf extract	Santu Bandyopadhyay, B. C. Pal, S. Bharracharyya, M. Roy, K. C. Roy	INDIA WORLD USA USA CHINA ARIPO	00644DELNP2003 PCT/IN00/00119 09/772031 6610332 ZL00819919.1 AP1675	
33	Anti peptic ulcer activity of an extract of a flower of Woodfordia fruticosa	Pratap K Das, N. P. Sahu, S. Banerjee, S. Sett, S. Goswami	USA	7291353	39392
34	Anti peptic ulcer activity of an extract of a plant flower	Sukdeb Banerjee, Pratap K Das, S. Goswami, C. Annalakshmi, N Panda	USA INDIA	60/367490 0375DEL2003	
35	Anti peptic ulcer activity of an extract of a plant flower Woodfordia fruticosa	Sukdeb Banerjee, Pratap K Das, S. Goswami, C. Annalakshmi, N Panda	WORLD	PCT/IN03/00067	
36	Antileishmanial activity of Amphotericin B entrapped in cationic liposomal formulation	Nahid Ali, Antara Banerjee	INDIA	0670DEL2007	
37	Anti-leishmanial activity of drug entrapped cationic liposomal formulations	Nahid Ali, J Ghosh, S Bhowmick	USA	11/439381	
38	Antileishmanial activity of Gotu Kola leaf extract	Tripti De, Siddhartha Kumar Bhaumik, Manoj Kumar Singh	INDIA	0844DEL2008	
39	Antileishmanial activity of paromomycin entrapped in cationic liposomal formulation	Nahid Ali, Antara Banerjee	INDIA	1180DEL2007	
40	Anti-leukaemic activity and uses of Withanolide-D and Withanolide-D containing compositions and formulations	Chitra Mandal			
41	B) and inflammatory cytokines k inhibitors of nuclear factor - Kappa (NF- γ)	Santu Bandyopadhyay, B. C. Pal, P. Jaisankar, S. Roy, J, Bagchi Chakraborty			
42	Bioactive fraction from plant Woodfordia fruticosa	Sukdeb Banerjee, Pratap K Das, S. Goswami, C. Annalakshmi, N Panda	WORLD INDIA	PCT/IB07/00309 0369DEL2006	

43	Coelomic fluid extract from pheretima posthuma for providing sperm immotility	M Mukherjee, S Biswas, M Datta, Samir Bhattacharya, Ranjan Bhadra	CHINA JAPAN USA	1112435 2001.101744 6569464	
44	Composition having antibacterial and antifungal properties	AK Bhattacharya, A Pal, Samir Bhattacharyya	USA	7144921	39056
45	Compositions and methods for delivery of protein-coning RNAs to correct Mitrochondrial dysfunction	Samit Adhya		2034/DEL/2008	
46	Development of vaginal contraceptive with clove oil	AK Bhattacharya, A Pal, Samir Bhattacharyya	INDIA	221050	39612
47	DNA vaccine as an immunoprophylactic agent against leishmaniasis	R Basu, Syamal Roy	USA World USA	60/781329 PCT/IN07/00167 11/685413	
48	Herbal composition of blend of active components prepared from Murrya koenigii and piper betle useful for blocking of 5 lipoxygenase activity leading to the inhibition of leukotriene synthesis, suppression of interleukin-4 production, and enhancement of gamma interferon release	Santu Bandyopadhyay, B. C. Pal, K. C. Roy, M. Roy, R. Bhadra	USA	6773728	38209
49	Herbal extract and compound lupinoside and its analogues as anti-diabetic Type II drugs from plant Pueraria tuberosa	Debleena Dey, S. K. Mandal, M. Mukherjee, B. C. Pal, T. Biswas	USA	7276258	39357
50	Herbal formulation of a combination of piper betel and Murrya koenigii extracts for blocking 5 lipoxygenase activity	Santu Bandyopadhyay, B. C. Pal, R. Bhadra, M. Roy, K. C. Roy	USA WORLD AUSTRALIA EUROPE JAPAN CHINA	6413553 PCT/IN02/00166 2002-326139 EP 1414475 2003-518571	37439
51	Highly cost-effective analytical device for performing immunoassays with ultra high sensitivity	Tarun K Dhar, Arindam Pal	USA USA (div)	7087389 7312028	38937
52	Hybrid cell vaccine against kala-azar	S Bhaumik, R. Basu, K. Naskar, Syamal Roy	INDIA NEPAL WORLD BANGLADESH	1429DEL2006 138 PCT/IN07/00243 137/2007	
53	Leishmanicidal activity of night jasmine leaf extract containing calceolariosiede- A against chronic visceral leishmaniasis	Sharmila Chattopadhyay, B. Achari, A Poddar, A. Kumar	BRAZIL	PI06172644	

54	Leishmanicidal activity of night jasmine leaf extract containing calceolarioside against chronic visceral leishmaniasis	Sharmila Chattopadhyay, B. Achari, A Poddar, A. Kumar	INDIA NEPAL BANGLADESH WORLD	2725DEL2005 1241 225/2006 PCT/IB06/02805	
55	Methanolic extract of Piper betel leaves for the treatment of human malignancies by inducing oxidative stress	Santu Bandyopadhyay, B. C. Pal, J. Bagchi Chakraborty, S. Rakshit, L. Mandal	India	2640DEL2007	
56	Method for enhancing cellobiase activity of termitomyces clypeatus using a glycosylation inhibitor	Suman Khowala, S. Mukherjee	USA	6946277	38615
57	Novel amino quinoline compounds	Sukdeb Banerjee, N Ali, P. Palit, P. Patra, A Hazra	INDIA	0668DEL2008	
58	Novel cationic liposomal formulations and process for making such formulations	Nahid Ali, J Ghosh, S Bhowmick	INDIA	1339DEL2005	
59	Protein from the Coelomic Fluid of an Indian earthworm that causes immotility of sperms	M Mukherjee, S Biswas, M Datta, Samir Bhattacharya, Ranjan Bhadra	USA	10/441515 DIV	
60	Soluble protein antigen vaccine against kala-azar	Tripti De, Siddhartha Kumar Bhaumik	INDIA	0957DEL2007	
61	Two gonadotropin releasing hormones and a method to isolate the same	A Chatterjee, P Ray, S Dasgupta, Samir Bhattacharya, S Pasha	WORLD USA USA	PCT/IN03/00015 US 6977242 B2 11/148067	12/20/2005
62	Two novel GNRHs from indian murrel brain: highly potential molecules for induced breeding of fish	A Chatterjee, P Ray, S Dasgupta, Samir Bhattacharya, S Pasha	AUSTRALIA INDIA	2003-202800 1691DEL2005	
63	Use of betel leaf extract to induce ifn-gamma production from human peripheral blood T cells and as a Th1 type immunomodulator	Santu Bandyopadhyay, S. Bharracharyya, M. Roy, K. C. Roy	WORLD USA USA CHINA JAPAN DENMARK INDIA	PCT/IN00/00127 6531166 7045157 ZL 00820077.7 2002-550995 10085496.6 00645DELNP2003	
64	Use of betel leaf for inducing ifn-gamma secretion from human t lymphoustes indicating th 1 type protectve response as immuromodulator	Santu Bandyopadhyay, B. C. Pal, S. Bhattacharyya, K. C. Roy, G. Bandopadhyay	USA	11/222815	