



**SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES &
TECHNOLOGY BIOMEDICAL TECHNOLOGY WING, POOJAPPURA,
TRIVANDRUM –12**

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DEPARTMENT OF TECHNOLOGY & QUALITY MANAGEMENT

Patents(Foreign)

SL NO	PATENT NO	APPL NO	DATE OF FILING	TITLE OF INVENTION	INVENTORS	APPLICA NT	COUNT RY
1.	5458826	63915	17/05/1993	METHOD FOR PRODUCING HEART VALVE DISC	Gopichettipalayam Subbaratnam Bhuvaneshwar Muraleedharan Chirathody Vyalappil Omana Amma Sreedharan Nair Neelakantan Nair	SCTIMST	US*
2.	6309999	09/272304	19/03/1999	PROCESS FOR THE PREPARATION OF AN IMMUNOADSORBENT MATRIX	Chandra Prakash Sharma, Peringatullil Raman Hari, Willi Paul	NRDC*	US*
3.	6610330	09/993028	06/11/2001	ANTI-DIABETIC AGENT OBTAINED FROM THE PLANT HUMBOLDTIA DECURRENS AND A PROCESS FOR PREPARING THE SAME	Janaswamy Madhusudhana Rao, Mangattu Achuthankunju Sumathy Kutty, Gopalan Nair Vijay, Alathur Damodaran, Kothanda Raman Rathinam, Rajagopal Sivakumar, Kottillil Mohan Das, Narayana Pillai Viswanathan Nair	CSIR,* SCTIMST, KIRTADS*	US*
4.	2001242730	2001242730B 2	16/02/2001	ANTI-DIABETIC AGENT OBTAINED FROM THE PLANT HUMBOLDTIA DECURRENS AND A PROCESS FOR PREPARING THE SAME	Janaswamy Madhusudhana Rao, Mangattu Achuthankunju Sumathy Kutty, Gopalan Nair Vijay, Alathur Damodaran, Kothanda Raman Rathinam, Rajagopal Sivakumar, Kottillil Mohan Das, Narayana Pillai Viswanathan Nair	CSIR,* SCTIMST, KIRTADS*	Australia
5.	100418544	01801640.5	16/02/2001	ANTI-DIABETIC AGENT OBTAINED FROM THE PLANT HUMBOLDTIA DECURRENS AND A PROCESS FOR PREPARING THE SAME	Janaswamy Madhusudhana Rao, Mangattu Achuthankunju Sumathy Kutty, Gopalan Nair Vijay, Alathur Damodaran, Kothanda Raman Rathinam, Rajagopal Sivakumar, Kottillil Mohan Das, Narayana Pillai Viswanathan Nair	CSIR,* SCTIMST, KIRTADS*	China
6.	EP1359926	WO20020721 22	16/02/2001	ANTI-DIABETIC AGENT OBTAINED FROM THE PLANT	Janaswamy Madhusudhana Rao, Mangattu Achuthankunju Sumathy Kutty,	CSIR,* SCTIMST, KIRTADS*	European union states

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				HUMBOLDTIA DECURRENS AND A PROCESS FOR PREPARING THE SAME	Gopalan Nair Vijay,Alathur Damodaran, Kothanda Raman Rathinam, Rajagopal Sivakumar, Kottillil Mohan Das, Narayana Pillai Viswanathan Nair		
7.	7300962	11/199,613	09/08/2005	HYDROGELS FORMED BY NON-COVALENT LINKAGES	Buddy.D.Ratner Prabha.D.Nair Maximiliane Silvia Boeckl Elizabeth Reeves Leber	UW	US*
8.	6949590	10/339,777	09/01/2003	HYDROGELS FORMED BY NON-COVALENT LINKAGES	Buddy.D.Ratner Prabha.D.Nair Maximiliane Silvia Boeckl Elizabeth Reeves Leber	UW	US*
9.	7105580	10/314453	05/12/2002	PORUS STRUCTURES FOR GROWING LIVING TISSUE AND METHODS OF MANUFACTURE	Prabha.D.Nair Buddy.D.Ratner Viola Vogel Robert.M.Nerem	UW	US*
10.	4822355	07/210,165	21/06/1988	HEART VALVE ASSEMBLY	Gopichettipalayam Subbaratnam Bhuvaneshwar	SCTIMST	US*
11.	EP0265533	EP198601148 40 19861025	25/10/1986	HEART VALVE ASSEMBLY	Gopichettipalayam Subbaratnam Bhuvaneshwar	NRDC	EP*
12.	EP1924248	05856290.1	30/12/2005	pH SENSITIVE NANO PARTICLE FORMULATION FOR ORAL DELIVERY OF PROTEIN/PEPTIDES	Chandra Prakash Sharma, Mannemcherril Ramesan Rekha	CSIR* NMITLI	EP*
13.	CA 2621641	PCT/IN2005/ 000460	30/12/2005	pH SENSITIVE NANO PARTICLE FORMULATION FOR ORAL DELIVERY OF PROTEIN/PEPTIDES	Chandra Prakash Sharma, Mannemcherril Ramesan Rekha	CSIR* NMITLI	CA*
14.	JP.5080474.B	JP200853075 5A	30/12/2005	pH SENSITIVE NANO PARTICLE FORMULATION FOR ORAL DELIVERY OF PROTEIN/PEPTIDES	Chandra Prakash Sharma, Mannemcherril Ramesan Rekha	CSIR* NMITLI	JP*
15.	09096655	13575756	24/01/2011	METHOD FOR IN-VIVO BINDING OF CHROMATIN FRAGMENTS	Indraneel Mitra, Sharma Chandra Prakash, Mannemcherril Ramesan Rekha, Gopichettipalayam Subbaratnam Bhuvaneshwar, Kavita Anirban Pal	TATA MEMORIA L CENTRE	US*

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16.	EP0622060	93303377.1	29/04/1993	IMPROVEMENT IN OR RELATING TO PROSTHETIC CARDIAC VALVE AND TO THE METHOD OF MANUFACTURING SAME.	Gopichettipalayam Subbaratnam Bhuvaneshwar, Chirathody Vayalappil Muraleedharan Omana Amma Sreedharan Nair Neelakantan Nair	NRDC*	EP*
17.	JP.3468794.B	JP121569/93	24/05/1993	IMPROVEMENT IN OR RELATING TO PROSTHETIC CARDIAC VALVE AND TO THE METHOD OF MANUFACTURING SAME.	Gopichettipalayam Subbaratnam Bhuvaneshwar, Chirathody Vayalappil Muraleedharan Omana Amma Sreedharan Nair Neelakantan Nair	NRDC*	JP*
18.	10,004,698	14/888,185	05/05/2014	FIBRIN WAFER/DISC AS A BIOLOGICAL CARRIER FOR SUSTAINED DELIVERY OF CURCUMIN JOINT APPLICATION WITH ICMR	Lissy Kalliyana krishnan Lakshmi Sreedharan Pillai	ICMR	PCT
19.	10,849,983	2200/CHE/2013 PCT/IN2014/ 000338 14/892,164	20/05/2014	DEVELOPMENT OF SOLUBLE ALBUMINATED CURCUMIN FOR APPLICATION IN CANCER THERAPY JOINT APPLICATION WITH ICMR & NO PAYMENT REQUIRED.	Lissy Kalliyana krishnan Christina Thomas	ICMR	US*
20.	2021/02576	2021/02576 (PCT/IN2019 /050936)	19/04/2021	A SELF EXPANDING FLOW DIVERSION DEVICE WITH ENHANCED KINK RESISTANCE AND RADIAL STRENGTH	Sujesh Sreedharan Anku Sreekumar Sreehari Unnikrishnan Nair	TRC	South Africa
21.	2020/03941	2020/03941 (PCT/IN2018/050642)	29/06/2020	IMPLANTABLE ATRIAL SEPTAL DEFECT OCCLUSION DEVICE WITH WOVEN CENTRAL SECTION ON LEFT ATRIAL FLANGE	Sujesh Sreedharan, Jijo Jerard, Liji Geetha Vijayan, Bijulal Sasidharan	TRC	South Africa

**EP-European, US-United States, JP-Japan, CA-Canada, CSIR-Council of Scientific and Industrial Research, NRDC-National Research Development Corporation, KIRTADS-Kerala Institute for research training and development studies of Sch.castes and Sch. Tribes. UW- UNIVERSITY OF WASHINGTON,PCT-Patent Cooperation Treaty, NMITLI-New Millennium Indian Technology Leadership Initiative