

<p style="text-align: center;">Granted Patents of NII Total Grant Patent- 46(Indian- 33 and Foreign – 13) (Last Updated November 22, 2023)</p>						
S. N.	COUNTRY	PATENT NO.	TITLE	GRANT DATE	FILING DATE	INVENTOR
1.	India	420761	A novel typhoid vaccine comprise of conjugate of Vi polysaccharide flagellin	07.02.2023	25/04/2016	Meena J and Panda AK
2.	India	420141	A composite scaffold and method of preparation thereof	01.02.2023	09/10/2019	Singh A, Verma J, Ahuja R, Panda AK
3.	India	413180	Depletion of M. tuberculosis GlnU from Infected Murine Lungs Effects the Clearance of the Pathogen	30.11.2022	01/10/2015	Nandicoori VK, Soni V, Yogeewari P and Sriram D
4.	US	11447534	Peptide complex with immunomodulatory and anti-inflammatory function.	20.09.2022	29/10/2020	Vijayan V, Gupta S
5.	India	401243	Composition useful for the treatment of inflammatory disease or disorders	13/07/2022	19/11/2010	A. Surolia - NII, Pasi Shweta, Gupta Sarika
6.	India	397527	Recombinant zona pellucida (zp) proteins, vaccine compositions and method of producing said vaccines	24/05/2022	25/04/2013	Gupta SK- NII, Gupta N- NII, Chakrabarti K- NII, Prakash K- NII, Wadhwa N- Gupta T
7.	India	397563	Development of secretory expression based DNA vaccine against	25/05/2022	5/04/2012	Sharma N, Deshmukh SK, Kaushik H, Ru Mathur DD and Dr. Garg LC

			ε-toxin of Clostridium perfringens			
8.	India	393755	Peptide complex with immunomodulatory and anti-inflammatory function	31-03-2022	30/04/2018	Vijayan V and Gupta S
9.	India	366231	"recombinant subunit vaccine against beta toxin of clostridium perfringens"	06-05-2021	08-01-2014	Dr. LC Garg
10.	US	8227591	"novel nucleotide sequences"	24/07/2012	02-03-2006	Dr. Anil Suri
11.	India	284087	"novel immunotherapeutic method for treatment of cancer"	08-06-2017	07-02-2007	Dr. Anil Suri
12.	India	286707	"immunotherapeutic composition"	07/02/2007	28/08/2017	Dr. Anil Suri
13.	US	8143007	" Ig genes specific oligonucleotides and uses thereof "	27/03/2012	13/03/2009	Dr. D. Sehgal
14.	US	8148321	"bioconjugates as therapeutic agents and synthesis thereof"	03-04-2012	19/09/2008	Dr. R P Roy
15.	India	257434	"sirna useful in inhibiting cellular growth/proliferation of cancerous tissues"	01-10-2013	02-03-2005	Dr. Anil Suri
16.	India	280165	" Ig genes specific oligonucleotides and uses thereof "	13/02/2017	13/03/2008	Dr. D. Sehgal

17.	India	320958	"novel bioconjugates as therapeutic agent and synthesis thereof"	20/09/2019	22/03/2006	Dr. R P Roy
18.	India	278769	"a vaccine composition comprising polymeric nanoparticles and microparticles for inducing th1 and th2 response "	30/12/	28/03/2007	Dr. AK Panda
19.	Europe (UK)	1861496	"inhibition of spag9 expression with sirnas"	16/09/2009	02-03-2006	Dr. Anil Suri
20.	Europe	2139513	"polymer particle based vaccine"	29/10/2012	28/03/2008	Dr. AK
21.	Europe	2100970	"ig genes specific oligonucleotides and uses thereof"	13/04/2017	13/03/2009	Dr. D. Sehgal
22.	India	309378	"heterologous booster based dna vaccine against epsilontoxin toxin of clostridium perfringens"	18/03/2019	05-04-2012	Dr. L C Garg
23.	India	333416	"development of vaccine against epsilon toxin of clostridium perfringens using peptides corresponding to immunodominant epitopes of epsilon toxin"	28/02/2020	05-04-2012	Dr. L C Garg

24.	India	337612	"a process for production of tag-free recombinant fusion protein encompassing promiscuous t cell epitope of tetanus toxoid and dog zona pellucida glycoprotein-3 and its use as contraceptive vaccine"	29/05/2020	24/04/2012	Dr. SK Gupta
25.	India	341662	development of cytosolic expression based dna vaccine against e-toxin of clostridium perfringens	15/07/2020	11-5-2012	Dr. LC Garg
26.	India	343601	“development of membrane bound expression based dna vaccine against ε-toxin of clostridium perfringens”	07-08-2020	11-05-2012	Dr. LC Garg
27.	India	341670	development of cytosolic expression based dna vaccine against e-toxin of clostridium perfringens	15/07/2020	11-5-2012	Dr. LC Garg
28.	India	339506	“development of membrane bound expression based dna vaccine against e-toxin of clostridium perfringens”	26/06/2020	11-05-2012	Dr. LC Garg

29.	India	328267	"synthetic peptides and random copolymers for the treatment of autoimmune disorders "	27/12/2019	05-05-2011	Dr. Sarika Gupta
30.	India	337799	"a novel typhoid vaccine eliciting memory antibody response from single dose immunization"	02-06-2020	30/05/2011	Dr. AK Panda
31.	India	339437	"hemoglobin receptor as novel vaccine for leishmaniasis"	25/06/2020	15/05/2013	Dr. A Mukhopadhyay
32.	India	319556	"recombinant non-toxic protein vaccine against clostridium perfringens infection and epsilon toxin intoxications"	30/08/2019	05-07-2010	Dr. L C Garg
33.	US	9408900	"recombinant vaccine against clostridium perfringens infection and epsilon toxin intoxication"	09-08-2016	01-07-2011	Dr. LC Garg
34.	India	367079	"Development of vaccine against epsilon toxin of clostridium perfringens employing LTB-epsilon toxin epitopesin translational fusion with LTB"	11/05/2012	20/05/2021	Dr. LC Garg
35.	US	9764015	"hemoglobin receptor as novel vaccine for leishmaniasis"	19/09/2017	11-04-2014	Dr. A. Mukhopadhyay

36.	India	332055	“design and developments of nanoparticles based carbohydrate vaccines against streptococcus pneumoniae”	14/02/2020	07-09-2012	Dr. AK Panda
37.	India	288726	“spray dried formulation of antigen containing alum or antigen entrapped polymer particles with surface coated of alum”	25/10/2017	21/09/2010	Dr. AK Panda
38.	US	8268342	"bioderadable polymer scaffold and process for preperation thereof"	18/09/2012	23/10/2008	Dr. AK Panda
39.	Europe	1796723	“novel cancer associated antibodies & antigens and their use in cancer diagnosis”	12-10-2012	07-10-2005	Dr. Anil Suri
40.	Australia	2005290997	“novel cancer associated antibodies & antigens and their use in cancer diagnosis”	20/12/2012	07-10-2005	Dr. Anil Suri
41.	India	295616	"novel cancer associated antibodies and their use in cancer therapy"	09-04-2018	07-10-2004	Dr. Anil Suri

42.	US	10500283	"vaccine composition capable of inducing memory antibody response from single point immunization"	10-12-2019	29/5/2012	Dr. AK Panda
43.	India	358332	"a sortase-click reaction suite for defined protein dendrimer assembly: synthetic example of a multivalent vaccine"	11-02-2021	1-11-2011	Dr. R.P. Roy
44.	India	362277	"recq14/recq14 variant - p53 complex for altered mitochondrial function in rothmund-thomson syndrome"	20-03-2021	10/11/2009	Dr. Sagar Sengupta
45.	India	344554	"recovery of bioactive protein from bacterial inclusion bodies using trifluoroethanol as solubilization agent"	20/08/2020	18/12/2014	Dr. AK Panda
46.	India	318710	"monoclonal antibody specific to hemagglutinin form influenza virus h1-subtype and uses thereof"	22/08/2019	23/12/2011	Dr. SK Gupta