

Filed Patents – 42 (India = 33 ; Foreign= 9) updated on 21.10.2026

S.N	Country	Title	Application No.	Filing date	Inventors
<u>2026-2027</u>					
1	Indian	Increasing neuronal serotonin biosynthesis using branched-chain keto acids and Methods and uses thereof	202611065593	25/05/2026	Arnab Mukhopadhyay, Sabnam Sahin Rahman, Prerona Ghosh & Shreya Bhattacharjee
<u>2025-26</u>					
2	Indian	Chimeric Antigen Receptor Constructs Targeting Human Chorionic Gonadotropin (BhCG) and therapeutic Uses thereof	202611040300	30.03.2026	Prafullakumar B. Tailor, Ramya Venkataraman, Jawahar P & Satish Kumar Gupta
3	Indian	Method for the bio-production of d-acyl lactones using glucose as substrate	202511058591	18/06/2025	Dr. Rajesh S. Gokhale, Dr. Vinay Nandicoori & Dr. Sonali Srivastava
4	US	Recombinant DNA, Recombinant vector for producing delta-acyl lactones and its implementation thereof	19/125,585	29/04/2025	Rajesh S. Gokhale, Vinay Nandicoori & Sonali Srivastava
<u>2024-2025</u>					
5	Indian	Nanoscale artificial antigen-presenting cells and its method of preparation thereof	202511028772	26/03/2025	Singha Dr. Santiswarup, Mondal Antara, Jamal Faisal, Das Arpita, Sahoo Arnab Kumar, Chaudhary Khushboo, Chowdhury Sarmili, Jha Aakriti
6	Indian	Novel Liposomal Formulation encapsulating the ripe drugs	202511004708	21.01.2025	Bichitra Kumar Biswal
7	US	Itch mutants for the treatment of memory and learning defects	18/878,559	23/12/2024	Sharma Pushkar and Chauhan Monika
8	US	MIR449A as therapeutic for neurodegenerative disorders	18/878,560	23/12/2024	Sharma Pushkar and Chauhan Monika
9	Europe	CLOMIPRAMINE FOR THE TREATMENT OF ALZHEIMER'S DISEASE	23 811328.6	20/12/2024	Sharma Pushkar and Chauhan Monika

10	Indian	Thioxothiazolidin derivatives and uses thereof	202411093336	28/11/2024	Gupta Sarika, Aahra Harsh
11	Indian	Aptamer-based Electrochemical Biosensor	202411082573	29/10/2024	Payal Gulati, Anil Kumar
12	India	A Robust HUH7.VIL stable cell line over expressing ACE2 and TEMRSS2 and implementations thereof	202411072617	25/09/2024	Nimesh Gupta, Bhushan Nikam
13	Singapore	Antibacterial Compounds, Method of Production and Use Thereof	10202401792P	19/06/2024	Bichitra Kumar Biswal
14	US	Antibacterial Compounds, Method of Production and Use Thereof	18/748,576	20/06/2024	Bichitra Kumar Biswal
15	India	Molecularly imprinted polymer-based electrochemical sensor for quantifying para-cresyl sulfate	202411041037	27/05/2024	Archana, Syed Zimad Husain Hashmi, Partima Solanki and Anil Kumar
16	US	Methods and compositions for treating colorectal cancer with indoxyl sulphate	18/539,826	14/12/2023	Nishu Dalal and Anil Kumar
17	US	Hexosamine compounds and methods thereof	18/248,503	10.04.2023	SampathkumarSG., Parashar S, Tasneem, A and Rautela J
18	India	Electrochemical sensor for quantifying trimethylamine(TMA)	202311001213	05/01/2023	Rekha Jalandra, GBVS Lakshmi, Pratima R Solanki and Anil Kumar
19	US	Methods for decreasing resistance to chemotherapy	63/426,360(Provisional) 18/513,311(Complete)	17/11/2022 17/11/2023	S. Sengupta.
20	India	A method for engineering type I Polyketide synthase(PKS) for the bio-production of 8-acyl lactones	202211061834	31/10/2022	Rajesh S Gokhale, Vinay Nandicoori and Sonali Srivastava
21	India	Itch mutants for the treatment of memory and learning defects	202211052973	16/09/2022	Sharma Pushkar and Chauhan Monika
22	India	MiR449a as a therapeutic for neurodegenerative Disorders	202211052962	16/09/2022	Sharma Pushkar and Chauhan Monika
23	India	A dengue virus follicular T helper cell specific peptide megapool and its thereof	202211046391	16.08.2022	Nimesh Gupta, Shilpa Sachan

2021-2022

24	India	Formulation for modulating pain and inflammation and methods thereof	202111021028	10/05/2021	Gupta S and Upadhyay P
<u>2020-2021</u>					
25	India	Gut microbiota derived Indoxyl Sulphate (IS) detection through molecularly imprinted polymer based sensor	202111006093	12.02.2021	Dalal N, Dhiman T, Lakshmi GBVS, Gupta S, Singh R, Solanki PS and Kumar A (2021)
26	India	A novel method to evaluate the quality of antigen-specific t cells in infection and vaccination	202111003148	21/01/2021	Gupta N and Ansari A
27	India	Hydroxyethylamine-based piperazine compounds, and methods of producing and using the same for treating disease	202011056923	29/12/2020	Rathi B, Kempaiah P, Singh AP, Singh S, Gupta Y, Sharma N, Poonam, Durvsula R
28	India	Expression and purification of RBD (Receptor Binding Domain) of Corona Virus.	202011056344	28.12.2020	Singhvi P, Srichandan S, Meena J, Verma J, Ahuja R, Panda AK
29	India	Method for purification of recombinant human sperm associated antigen 9	202011024536	11/12/2020	Suri AK
30	India	Compositions having application against hyper-pigmentation	202011047316	29/10/2020	Sultan F, Kochar M, Bhosale RS, Natarajan VT and Gokhale RS
31	India	Novel antiparasitic agents based on piperazine and uses thereof	202011043767	08/10/2020	Agam Singh
32	India	A recombinant peptide or peptide conjugate of Clostridium perfringens	202011039302	11/09/2020	Amit Kumar Solanki, Sachin Kumar Deshmukh, Himani Kaushik, Bharti Bhatia, Lalit Garg
33	India	Improved immunogenicity of recombinant protein based SARS COV-2 candidate vaccine using PLA nanoparticles	202011035557	18/08/2020	Jairam Meena, Mamta Singh, Sudeepa Srichandan, Priyank Singhvi, Amulya K. Panda
34	India	Novel optical sensor for Antibiotic detection	202011030135	15/07/2020	Pratima Solanki, Reena Sajwan and Anil Kumar
35	India	A novel SARS COV-2 conjugate vaccine comprising of RBD and	202011029228	09/07/2020	Meena J, Srichandan S, Singhvi P, Verma J and Panda AK

		non human like epitopes. filed on			
36	India	A novel glycoconjugate vaccine against streptococcus pneumoniae	202011028203	02/07/2020	Singh M, Meena J, Sori H,Ahuja R, Saxena S, Sehgal D and Panda AK
37	India	A Process for promoting germinal centers using polymeric particle based immunization	202011026508	23/06/2020	Mamta Singh, Jairam Meena and Amulya Kumar Panda
38	India	DNA damage dependent microrna signature for cancers, methods and uses related thereto	202011022661	29/05/2020	Sengupta S
<u>2019-2020</u>					
39	India	Novel fluorescence-based toggle sensor for detection of antibiotics.	201911042412	18/10/2019	Solanki P, Sri S, Lakshmi GBVS and Kumar A
<u>2018-2019</u>					
40	India	A method for augmenting bacteria	201911010966	20/03/2019	Dalal N, Sharma GP, JalandraR, Sharma M, Solanki P, Makharia GK, Kumar A
41	India	A Formulation for modulating immune response	201811036025	25/09/2018	Jha D, Kumar R, Panda AK
42	India	BLM Mediated Reactivation of Fbw7 α Mutant in Cancer	201811022241	14/06/2018	Sengupta S