

**Patent Details for Verification\_NIRF2026**

**Note: Provide your Institution's Patent details (Only Utility Patents) Discipline-wise as applied for NIRF Ranking each in Separate List/Table (Only Published & Granted during 2022 – 2024 year-wise) strictly in this provided format, and clearly write/mention the Discipline & Institute ID above the List/Table as prescribed. Details of the Design, Trademarks, or Copyrights, and only Filed Patents must be avoided. Those details should not be entered or provided in the list below as those won't be considered for the ranking. Patent details must be submitted along with all the source proofs (attached) like screenshots, pdf, image file from databases like InPASS, WIPO, USPTO, Espacenet, Derwent Innovation, etc. and direct URL/Website Links, etc.**

Discipline Name applied for NIRF2026 Ranking: **OVERALL** Institute ID: U-0388

Provide below the Year-wise Count of Submitted Patent Data by the Institute (2022 to 2024) for NIRF2026 as applied in Discipline-specific:

Published_2022	Published_2023	Published_2024	Granted_2022	Granted_2023	Granted_2024	Total Published (2022-2024)	Total Granted (2022-2024)
5	9	10	2	3	2	24	7

Patent Details with proofs (Attach screenshots, pdf, image file, etc.):

Sl. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor's Name	Title of the Patent	Applicant's Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number	Year of Published/Granted	Assignee's Name (Institute Affiliation's at time of Application)	Here, attach Source Proof Screenshots/URL/Website Links, etc.
1	202011003559	Published	Era Upadhyay, Manali data	A system and method of reusable filters for anti-pollution mask	Amity University Rajasthan	27/01/2020	29/4/2022	17/2022	2022	AIB	
2	202011055785	Published	Dr. Pramod Kumar Bhatt	A system for providing distance protection scheme for solar powered industrial microgrid.	Amity University Rajasthan	22/12/2020	4/11/2022	44/2022	2022	ASFT	
3	202111004044	Published	Dr. Neeraj Khare	An elicitation with phytosynthesized silver nanoparticles for the enhancement of ajmalicine and preparation method thereof	Amity University Rajasthan	29/1/2021	23/9/2022	38/2022	2022	AIB	
4	202111005659	Published	Gulshan Sharma, Era Upadhyay	A system for disposed personal protection equipment (ppe) into biofuel through pyrolysis and method thereof.	Amity University Rajasthan	10/02/2021	30/9/2022	39/2022	2022	AIB	
5	202111007277	Published	Deepansh Sharma, Deepti Singh, Mehak Manzoor	A formulation of fermented postbiotics black carrot beverage using indigenous strain and method thereof	Amity University Rajasthan	22/2/2021	7/10/2022	40/2022	2022	AIMT	
6	202111019967	Published	Swapnesh Tatreh, Ankit Saxena, Akash Sanghi	A system for recognizing the identity of the suspect on portable device using fingerprint scanning	Amity University Rajasthan	30/4/2021	26/5/2023	21/2023	2023	AIIT	
7	202111027319	Published	Swapnesh Taterh, Nitesh Murugan Kaliyamurthy, Suresh Shanmugasundaram	A numeral narrow-down method and system for ultimate network internal security wrapping'	Amity University Rajasthan	18/6/2021	2/6/2023	22/2023	2023	AIIT	
8	202111030686	Published	Deepansh Sharma, Deepti Singh, Vikrant Sharma	Removal of cadmium using probiotic glycolipopptides and method thereof	Amity University Rajasthan	08/07/2021	2/6/2023	22/2023	2023	AIMT	
9	202111036756	Published	Ashwani Kumar Yadav, Vaishali Yadav, Dilbag Singh and Majit Kaur	A user safety and pollution monitoring system using street light with IoT platform'	Amity University Rajasthan	13/8/2021	3/3/2023	-	2023	ASET	
10	202111046718	Published	Rahul Mehra, Harish Kumar, Renu, Naveen Kumar	Formulation and Method for Preparing Yogurt by Using Betavulgaris and Igg Bovine Colostrum Whey Powder	Amity University Rajasthan	13/10/2021	21/4/2023	-	2023	AIB	
11	202111047636	Published	Neeraj Khare, Soom Nath Raina, Sachin Kumar Verma	A formulation of yield enhancement strategy for ajmalicine production and method thereof'	Amity University Rajasthan	20/10/2021	21/4/2023	-	2023	AIB	
12	202111053511	Published	Rahul Mehra, Harish Kumar, Anuradha Bharadwaj, Naveen Kumar	Himachali pahar cow colostrum-based soap, and preparation method thereof'	Amity University Rajasthan	22/11/2021	26/5/2023	21/2023	2023	AIB	
13	202111023333	Published	Pooja Sharma, Era Upadhyay	"A novel herbal pharmaceutical aid for formulation of gel and method thereof"	Amity University Rajasthan	25/5/2021	3/3/2023	09/2023	2023	AIB	
14	202211002786	Published	Hemangi Ranade and Manali Dutta	'A poly unsaturated fatty acid based sensor platform system to capture disease specific biomarker'	Amity University Rajasthan	18/1/2022	29/12/2023	52/2023	2023	AIB	
15	202211015696	Published	Manmohan Singh Chauhan, Kawar Lal Dabodhia, Rohit Bhatia, Narendra Pal Lamba, Brijesh Tripathi, S. L. Kothari	A pesticidal composition of karanj oil, cashew nut oil and strobilun fungicides and method thereof	Amity University Rajasthan	22/3/2022	2/2/2024	-	2024	ASAS	
16	202211018819	Published	Swapnesh Tatreh, Ankit Saxena, Richa Saxena	A fire extinguisher assembly with sensor mechanism	Amity University Rajasthan	30/3/2022	26/1/2024	-	2024	AIIT	
17	202211032535	Published	Deepshikha Rathore, Hariom Pawar, Ranveer Kumar, R. K. Pandey,	A method for providing correlation between activation energy and sensitivity towards ethanol, acetone, and no2 gases'	Amity University Rajasthan	7/6/2022	5/1/2024	-	2024	ASAS	
18	202211041824	Published	Dr. Deepshikha Rathore, Dr. Hariom Pawar, and Prof. R. K. Pandey	'An Electronic Configuration of BaTiO <sub>3</sub> /CNT/CoFe <sub>2</sub> O <sub>4</sub> Nanocomposites	Amity University Rajasthan	21/07/2022	26/1/2024	-	2024	ASAS	
19	202211062552	Published	Karnaam Sangwan, Renu Garhwal, Harish Kumar, Anuradha Bharadwaj, Yash Pal	'A process for optimization of water/oil/water double emulsion using watermelon rind powder and watermelon seed oil'	Amity University Rajasthan	2/11/2022	3/5/2024	-	2024	AIB	
20	202211071596	Published	Deepshikha Rathore, Pankaj Soni, Lubna Aamir, Rishi Raj Singh Rathore	Synthesis of barium titanate/silver/tungsten tri-oxide (batio <sub>3</sub> /ag/wo <sub>3</sub> ) nanocomposite'	Amity University Rajasthan	12/12/2022	14/6/2024	-	2024	ASAS	
21	202311025109	Published	Dr. Swapnesh Taterh, Amit Kumar Singh	"A system for detecting of hazardous domestic waste using the transfer learning means"	Amity University Rajasthan	31/3/2023	11/10/2024	-	2024	AIIT	
22	202411001294	Published	Anchit Gugnani, Nandini Khuswaha	A novel approach for simultaneous stretching of vastus lateralis and iliotibial band	Amity University Rajasthan	8/1/2024	2/2/2024	-	2024	AIPT	
23	202411054764A	Published	Mr. Kanchan Aish, Dr. Sidharth Srivastava, Dr. Sunil Kumar, Mr. Amit Kumar, Dr. Suprabhat Banerjee, Mr. Kunal, Dr. Sushil Kumar	Automated Food Safety Monitoring and Compliance System For Commercial Kitchens	Amity University Rajasthan	18/07/2024	2/8/2024	-	2024	ASH	
24	202411090218	Published	1. Dr. Sury Pratap Singh 2. Dr. Arti Jamwal Sharma 3. Dr. Nisha Sharma 4. Dr. Priyanka Sharma 5. Dr. Yogesh K Ahlawat 6. Dr. Sanjeev Kumar Verma 7. Dr. Vigya Mishra 8. Ms. Sweta Punyal 9. Dr. Navneeti Chamoli 10. Dr. Nitesh Kumar	Formulation of nutrient enriched fruit jelly with plant derivatives and spices	Amity University Rajasthan	20/11/2024	6/12/2024	-	2024	AIB	
25	201711013700	Granted	Dr. Divya Prakash	"A method for separation of the dyes used in the printing of Flex by using bio-adsorbent"	Amity University Rajasthan	18/04/2017	17/11/2022	411715	2022	ASET	
26	2021104295	Granted	Dr Vikram Kumar	(Australian Patent) An innovative bioactive dressing for treating wounds using herbs & cow urine	Amity University Rajasthan	19-Jul-21	13/4/2022	2021104295	2022	AIB	

27	3993/DEL/2015	Granted	Dr. Manali Datta, Mr. John Stephen Bjorn	"Diagnostic Kit For Kidney Disorder Using multiwalled carbon nanotubes"	Amity Univerity Rajasthan	8/12/2015	23/10/2023	461594	2023	AIB	
28	201711014574	Granted	Dr. Shweta Kulshreshtha, Ms. Vigi Chaudhary, Ms. Shweta Singh	A System and Method for Treatment of Problems by Herbal Solutions	Amity Univerity Rajasthan	25/4/2017	1/3/2023	423711	2023	AIB	
29	1782/DEL/2012	Granted	Bharat Singh, AN Pathak	Enhancement of shikonin production by Azotobacter in hairy root cultures of Arnebia hispidissima (Lchm.) DC.	Amity Univerity Rajasthan	11/6/2012	22/12/2023	487478	2023	AIB	
30	3126/DEL/2014	Granted	Dr. Manali Datta, Dr. Vinod S. Gour, Preeti	A Simple food storage and preservation chamber	Amity Univerity Rajasthan	31/10/2014	1/1/2024	492714	2024	AIB	
31	3407/DEL/2015	Granted	Archeek Praveen Kumar, Neeeraj Kumar C. S. Kumar, Ashwani K. Yadav	"System and Method for Simultaneous and Parallel Compression and Encryption of Data"	Amity Univerity Rajasthan	21/10/2015	30/09/2024	551712	2024	ASET	