

AMITY INSTITUTE OF NANOTECHNOLOGY

PATENT LIST

S.No.	Name of Inventors	Title	Application No.	Date of Submission	Status
1.	Dr. R. P. Singh Dr. Monika Joshi	Development of Humidity Sensor using cross linking polymer with electrolyte.	498/DEL/2009	March 16, 2009	Granted (29/09/2020)
2.	Prof. T. Basu	A Novel transducer matrice for amperometric cholesterol biosensor	734/DEL/2009	April 9, 2009	Granted (13/08/2021)
3.	Dr. O.P Sinha, Charu Vashishth, Dr. R. P. Singh	Process for imparting or enhancing electrical conductivity of polymer matrix with semiconductor nanoparticles	898/DEL/ 2009	May 1, 2009	Granted (11/03/2019)
4.	Prof. T. Basu, Harsh Kapoor	A process for the synthesis of semiconducting metal oxide nanoparticles of controlled size distribution	1053/DEL/2009	May 22, 2009	Granted (19/02/2019)
5.	Dr. Arpita Bhattacharya & Dr. R.P. Singh	Prolonged release mosquito repellent formulations	765/DEL/2009	April 15, 2009	Granted (04/06/2020)
6.	Dr. Sandip Chakrabarti & Dr. R.P. Singh	Method for preparation of catalyst its activity and method for	900/DEL/2009	May 1, 2009	Granted (11/03/2019)

		tweeter out of Tail.			
		treatment of Textile			
		wastewater			
7.	Dr. Robin Kumar	A highly functional	921/DEL/ 2009	May 5, 2009	Granted
		semiconductor		_	(02.12.2019)
		integrated circuit device			
8.	Dr. Binay Kumar	Voltage dependent light	1149/DEL/2009	June 5, 2009	Granted
	, and the second	filter	, ,		(13.12.2021)
9.	Deepshikha and	Process of synthesis a	704/DEL/2009	2009	Granted
<i>)</i> .	Tinku Basu	novel a transducer and	704/066/2007	2007	(03.02.2023)
	Tiliku Dasu	its application there of			(03.02.2023)
		in biosensors			
10.	Dr. R. P. Singh	Synthesis of Fenugreek	2571/DEL/2010	October 27,	
10.	DI. K. I . Siligii	(Trigonella foenum-	23/1/066/2010	2010	
		graecum) leaf extract		2010	
		mediated Ag			
		nanoparticles and their			
		mechanism of formation			
11.	Dr. R. P. Singh,	Anti-Bacterial effect on	2708/DEL/2010	November	
11.	Diria i i omign,	Fenugreek (Trigonella	27007011172010	12, 2010	
		foenum-graecum) leaf		12, 2010	
		extract mediated silver			
		nanoparticles			
12.	Dr. R. P. Singh	Synthesis of Ag	3363/DEL/2011	November	
		nanoparticle from seed		14, 2011	
		extract		,	
13.	Garima Singhal,	Biosynthesis of silver	3621/DEL/2011	December	
	RP Singh, Mima	nanoparticles using	, ,	13, 2011	
	Kurian	Myristica Fragrans			
		(nutmeg) seed extract			
14.	Prof. T. Basu	Development of	1478/DEL/2011	May 24,	Granted
		reusable transducer		2011	(04.02.2020)
		matrix based on			
		nanostructured			
		Polyaniline and			
		application to			
		biosensors,			
15.	Prof. T. Basu	A process for the	1318/DEL/2012	April 25,	
		development of		2012	
		triglyceride biosensor			
		based on a Platinum			
		nano particle and			
		Polypyrrole nano			
		composite electrode			
16.	Prof. T. Basu	A Novel reusable	1371/DEL/2012	May 4, 2012	Granted
		cholesterol biosensor			(19.04.2021)
		based on Gold			
		nanoparticles decorated			
		Graphene-			
		Nanostructured			

		Polyaniline			
		Nanocomposite			
		ivanocomposite			
17.	Dr. Pratima	Sensitive and specific for	3964/DEL/2012	December	Granted
	Solanki, Prof.	the Vibrio cholera		21, 2012	(12.12.2023)
	Tinku Basu	detection			
18.	Dr. O.P. Sinha &	Efficient organic	1029/DEL/2012	April 3,	Granted
	Dr. Sandip	photovoltaic devices		2012	(25.09.2023)
	Chakrabarti	using photoactive			
		graphene oxide, organic			
		linkers and			
		semiconductor			
		nanoparticles			
19.	Dr.Arpita	A micro incapsulation of	3962/DEL/2012	December	Granted
	Bhattacharya, Dr.	citronella oil for slow		21, 2012	(19.05.2023)
	R.P. Singh	release insect repellant			
	D 0 1	formulation	4000 /577 /5515		
20.	Dr.Sandip	Graphene based	1030/DEL/2012	April 3,	Granted
	Chakrabarti & Dr.	chemical sensor for the		2012	(27.04.2020)
	O.P.Sinha	detection of toxic heavy			
		metal complexes in			
21.	Du Ashish Mathun	drinking water A novel hand held	2274 /DEL /2012	Assesset O	Granted
21.	Dr. Ashish Mathur,		2374/DEL/2013	August 8, 2013	
	Harsh Jain, Dr. O. P. Sinha, Dr. R.P.	micro-electrode sensor for detecting fuel		2013	(15.02.2023)
	Singh	adulteration based on			
	Jiligii	micro-fluidic platform			
22.	Dr. Monika Joshi,	Green synthesis of silver	3104/DEL/2013	February 2,	Granted
22.	Pranauv Balaji	nanoparticles using	3101/000/2013	2013	(30.01.2023)
	Tranady Balaji	ethanoic extracts of		2010	(50.01.2020)
		Zanthoxylum Alatum			
		Leaves			
23.	Dr. Monika Joshi,	Novel synthesis of	3281/DEL/2013	November	Granted in
	Pranav Balaji	magnetic	, = = , = 0.23	11 2013	(23.03.2022)
	,	Iron oxide nanoparticles			
		using cinnamon leaf			
		extract			
24.	Dr. Susmita Mitra	Novel biodegradable	1402/DEL/2013	May 10,	
	& Ms.Gizelle Sethi	nanoparticles for		2013	
		controlled release drug			
		delivery			
25.	Dr. A.B.V. Kiran	Method for synthesis of	370/DEL/2014	February	
	Kumar, Dr. Mohan	thin silver nanowires		10, 2014	
	Raja			<u> </u>	
26.	Dr. Mohan Raja,	A novel method of	367/DEL/ 2014	February	
	Dr. A.B.V. Kiran	forming flexible multi-		10, 2014	
	Kumar	walled carbon			
		nanotubes foil		<u> </u>	

27.	Mr. Robin Kumar, Dr. Neelam Kushwaha, Dr. Ranjit Kumar	Ammonia Gas Sensing Using a Thin Film of MnO2 Nano-fibers	2897/DEL/ 2014	October 10, 2014	
28.	Dr. Ashish Mathur	A miniaturized sensor based on microfluidic platform for caffeine detection from food samples	2961/DEL/ 2014	October 17, 2014	
29.	Dr Shikha Wadhwa, Dr. Ashish Mathur	A Rapid Detection and Photocatalytic Degradation of Amoxicillin Using Titania Thin Film	192/DEL/2015	February 2, 2015	Granted on (26.09.2022)
30.	Dr. Ashish Mathur, Dr. Shikha Wadhwa, Mr. Rathin Gupta	A novel hand-held Chemical free, Milk Adulteration test kit based on Micro fluidic sensor platform	2431/DEL/2015	October 19, 2015	
31.	Dr. O.P. Sinha, Dr. Richa Krishna, Dr. Sandip Chakraborty	Non magnetic elements doped semiconducting metal oxide materials and its utilization in organic electronics	2043/DEL/2015	July 4, 2015	Granted (06.02.2024)
32.	Dr. O.P. Sinha,	Hydrogels for transdermal Drug delivery and a method to manufacture the same	1388/DEL/2015	May 18, 2015	
33.	Dr. Nupur Bahadur	An efficient and economical process for primary treatment of effluents as well as sludge of textile and dyeing industry	1825/DEL/2015	June 20, 2015	
34.	Dr. Jagriti Narang, Dr. Nidhi Chauhan, Dr.Nitish Malhotra, Chaitali Singhal, Dr. C. S. Pundir	Nanoheterostructure composite for sensing metformin.	2430/DEL/2015	August 7, 2015	
35.	Dr. Monika Joshi	Biosynthesis of Zinc Oxide nanorods using citrullus lanatus extract.	3399/DEL/2015	March 11, 2015	Granted (05.01.2024)
36.	Dr. Monika Joshi	Algae GO nanocomposite for reduction of Textile Dye.	3994/DEL/2015	March 11, 2015	
37.	Dr. Nupur Bahadur	An improved membrane free photocatalytic reactor for treatment of Industrial effluent and	3950/DEL/2015	December 4, 2015	Granted (28.10.2022)

		sludge for ZLD			
		Compliance			
		domphanec			
38.	Dr. Nupur Bahadur	A process for bandgap restructuring of titania using combination of surfactants and metal ions	3401/DEL/2015	November 25, 2015	Granted (08.11.2021)
39.	Dr. Jagriti Malhotra, Nidhi Chauhan, Nitesh Malhotra, Chetali Singhal, Vanita Chandel	Method for enhancing the PCR amplification by using MgO nanoparticles	3972/DEL/2015	December 7, 2015	
40.	Dr. Jagriti Malhotra	Wheelchair having armrest cum transfer Board with anti-skid mechanism	2955/DEL/2015	October 21, 2015	Granted (28.08.2023)
41.	Dr. Nitish Malhotra, Dr. Jagriti Malhotra, Dr. Neeraj Singh	Flexible planter fasciitis prop	201611003247	January 29, 2016	Granted (21.11.2023)
42.	Dr. Monika Joshi	Green Synthesis of Graphene oxide using Chlorella pyrenoidosa	201611014935	April 24, 2016	
43.	Dr. Jagriti Malhotra	A System and method for Naked eye quantitative assay for date rape drug sensing.	201611025138	May 5, 2016	
44.	Dr. Jagriti Malhotra	A system and method for smearless detection of DNA with various morphologies of zinc nanomaterial in agarose gel electrophoresis	201611012990	March 3, 2016	
45.	Nitish Malhotra, Neeraj Singh, Jagriti Narang , Pragya Kumar	A self shoulder mobilization unit	201611019383	June6, 2016	Granted (21.08.2023)
46.	Jagriti Narang, Nitish Malhotra, Chaitali Singhal, Anoop Krishna, Dnyandeo Ingle	Methylene blue doped silver core and palladium shell nanohybrids on transparent glass substracte for impedimetric sensing of alprax	201611014938	September 11, 2016	Granted (11.09.2023)
47.	Tinku Basu, Sheetal K. Bhardwaj, AINT, AUUP, Noida	A smart transparent environmentally stable graphene based electrode	201611042945	December 16, 2016	Granted (17.05.2024)

48.	Dr Utkarsh Jain,	Development of	201611032517	May 10,	
10.	Shikha Wadhwa,	Molecularly Imprinted	201011032317	2016	
	Nidhi Chauhan,	Polymer (MIP) based		2010	
	Ashish Mathur	Microfludic device for			
		Serotonin detection			
49.	Dr. Nidhi Chauhan	Impedimetric sensing	201611041230	2016	
171	Diritiani diadian	method utilizing enzyme	201011011200	2010	
		bound nanohybrid film			
		for highly sensitive			
		monitoring of antibiotics			
		in forensic samples			
50.	Dr.Ranu Nayak	A simple cost-effective	201711016285	May 9, 2017	
	and Harsimran	transfer process of			
	Singh Bindra	highly uniform thin			
		nanoporous alumina			
		membrane onto rough			
		and flat substrates			
51.	Dr. Arpita	A method of controlling	201711003055	January 21,	
	Bhattacharya	root knot nematode		2017	
52.	Dr. Ranu Nayak,	Cost effective smart	201711016712	May 12,	Granted on
	Kritika Pandey, Dr.	Sponges for efficient		2017	31.07.2023
	Swati Jain and Dr.	removal of oil, organic			
	Jagjiwan Mittal	pollutant and pathogens			
		for industrial			
5 0	D 4 11	wastewater	204544200000	M 1.0	
53.	Dr. Arpita	Silica nanoparticle as	201711008220	March 9, 2017	
	Bhattacharya	growth promoter of		2017	
		bioagents under in vitro studies			
54.	Dr. Arpita	Synthesis of linoleic acid	201711011619	January 31,	
J4.	Bhattacharya	from microalgae using	201/11011017	2017	
	Dilactachar y a	magnetic core-shell		2017	
		nanoparticle			
55.	Dr. Monika Joshi,	Novel route for	201711021884	April 25,	Granted on
	Ms. Mahima	biosynthesis of green		2017	29.03.2023
	Sharma	algae mediated Titanium			
		Oxide (TiO2)			
		nanoparticles with high			
		yield			
56.	Apoorv Gupta,	Method for preparation	201711016713	May 5, 2017	Granted on
	Adeeba Shakeel,	of highly fluorescent.			25.05.2022
	Adeeba Shakeel, Sujata Sangam,	of highly fluorescent. Biocompatible sulphur			25.05.2022
	Adeeba Shakeel, Sujata Sangam, Deepa Suhag,	of highly fluorescent. Biocompatible sulphur doped graphene			25.05.2022
	Adeeba Shakeel, Sujata Sangam, Deepa Suhag, Vinod Kumar,	of highly fluorescent. Biocompatible sulphur doped graphene quantum dots from			25.05.2022
	Adeeba Shakeel, Sujata Sangam, Deepa Suhag, Vinod Kumar, Rohan	of highly fluorescent. Biocompatible sulphur doped graphene quantum dots from affordable agro-			25.05.2022
	Adeeba Shakeel, Sujata Sangam, Deepa Suhag, Vinod Kumar, Rohan Bhattacharya, O. P	of highly fluorescent. Biocompatible sulphur doped graphene quantum dots from affordable agro- industrial bio-waste			25.05.2022
	Adeeba Shakeel, Sujata Sangam, Deepa Suhag, Vinod Kumar, Rohan Bhattacharya, O. P Sinha, Sandip	of highly fluorescent. Biocompatible sulphur doped graphene quantum dots from affordable agro- industrial bio-waste cane molasses using			25.05.2022
	Adeeba Shakeel, Sujata Sangam, Deepa Suhag, Vinod Kumar, Rohan Bhattacharya, O. P Sinha, Sandip Chakrabarti and	of highly fluorescent. Biocompatible sulphur doped graphene quantum dots from affordable agro- industrial bio-waste cane molasses using hydrothermal synthesis			25.05.2022
	Adeeba Shakeel, Sujata Sangam, Deepa Suhag, Vinod Kumar, Rohan Bhattacharya, O. P Sinha, Sandip	of highly fluorescent. Biocompatible sulphur doped graphene quantum dots from affordable agro- industrial bio-waste cane molasses using			25.05.2022

57.	Dr. D. K. Avasthi	TIONX based passive heating water tank	201711032733	2017	
58.	Mahima Sharma, Monika Joshi Kannikka Behl, Subhasha Nigam	One-pot Bio-directed synthesis of stable ZnO Nanospheres using lemon and honey	201711031211	August 18, 2017	Granted (25.09.2023)
59.	Dr. Ranjit Kumar, Dr. Ashish Mathur, Dr. Shikha Wadhwa	MnO2 Nanofibers - Based Bisphenol Electrochemical Sensor	201711041779	Oct-17	
60.	Isha Fuletra, Sumaya Nisar, Aakshi Jairath,Punya, Tinku Basu	A modified sensor for ultra low detection of Arsenic in contaminated water	201711033463	September 21, 2017	
61.	Dr. Nidhi Chauhan , Utkarsh Jain and Shaivya Gupta	An electrochemical Label Free immunosensor for rapid detection of H.Pylori and its method	201711032732	September 12, 2017	Granted on 28.03.2024
62.	Utkarsh Jain and Nidhi Chauhan	Home based three parameter measuring device for next generation management of diabetes	201711021883	June 20, 2017	
63.	Utkarsh Jain, Nidhi Chauhan, Dishant Nigam and Abhinav Arora	Vitamin B7 detection through impedimetric sensing device.	201711029678	August 21, 2017	Granted on 21.04.2023
64.	Utkarsh Jain and Nidhi Chauhan	A molecularly imprinted (MIP) based GABA detection platform for behavior, cognition and body's response to stress	201711042953	September 28, 2017	
65.	Dr. R. M. Tripathi	A Method for Biosynthesis of Stannic Oxide Microbars	201711034682	September 29, 2017	
66.	Nidhi Chauhan, Utkarsh Jain, AINT, AUUP	A System and Method for Enhancing Performance of Immunosensor by Ion Beam Processing of Zinc Oxide Nanostructure	201811003795	February 1, 2018	Granted (20.03.2023)

68	D William 1		204044000506	D 1 4	0 1
67.	Dr. Nidhi Chauhan, Dr. Utkarsh Jain	A noninvasive device for MEA	201811003796	February 1, 2018	Granted (16.09.2022)
68.	Dr. A. B. V.Kiran Kumar	Ecofriendly and facile sysnthesis of carbon and nitrogen co-doped zinc oxide nano foams (CNZNO Nanofoams)	201811005953	February 16, 2018	Granted (28.12.2023)
69.	Chansi, Punya, Irani Mukherjee, Tinku Basu, Pawan K Agrawal , Lalit M Bharadwaj	Ultrasensitive novel electrode for rapid detection of pesticides in vegetable extract collected from field	201811006552	February 21, 2018	Granted (04.01.2024)
70.	Dr. Nidhi Chauhan and Dr. Utkarsh Jain	A dual detection platform for snake venom toxin	201811013630	March 6, 2018	
71.	Dr. Utkarsh Jain, Dr. Nidhi Chauhan, Sukirti Tiwari and Mayukh Tikadar	A dual mode technique for estimation of concentration change of analyte in dopaminergic effect	20181109539	March 14, 2018	
72.	Dr. Utkarsh Jain and Dr. Nidhi Chauhan	Molecularly imprinted polymer based impedimetric detection of neurotransmitter acetycholine on screen printed electrode.	201811009541	March 14, 2018	
73.	Dr. Nidhi Chauhan and Dr. Utkarsh Jain	A dual impedimetric immune-sensing for helicobacter pylori detection	201811009540	March 14, 2018	
74.	Aarti Singh, Adeeba Shakeel, Monalisa Mukherjee (AICCRS), Sandip Chakrabarti (AINT), Satyendra Kumar Rajput (AIP), Himadri Bihari Bohidar (JNU), Kamla Rawat (JNU), AUUP, Noida. Email: mmukherjee@ami	N-doped Carbon Nano Sheet based hydrogel composite for wound healing	201811021906	12/06/2018	Granted (02.02.2023)

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75.	Jagriti Narang, Shruti Sharma, Annu Mishra, Akshay Jain	Synthesis of Graphene nanoparticles using gram flour as biosurfactant and stabilizing agent	20181133112	September, 9 2018	Granted (04.04.2024)
76.	Dr. Ashish Mathur, Mr. Souradeep Roy, Dr. Shikha Wadhwa, Dr. Ranjit Kumar	Smart bandage for impedimetric detection of L-tyrosine in diabetic foot ulcer (DFU) patients.	201811039747	October 18, 2018	
77.	Dr. Ranjit Kumar, Mr. Deepak K. Sharma, Dr. D. K. Avasthi, Dr. Basant. S. Sikarwar	Novel method for growth of super-hydrophobic silica nanostructures on metallic surfaces	CRN3211/DEL/2 018	November 16, 2018	
78.	R. Pragadeeshwara Rao, Chansi, Shalini, Indrajit Roy, Tinku Basu	Robust electrochemical assay for antibiotic susceptibility testing of pathogenic bacteria	201811043408	November 19, 2018	
79.	Chansi, Punya, Rashi Bharadwaj, Karan Hadwani, Tinku Basu, Pawan K Agrawal, Lalit M Bharadwaj	An immunosensor for ultra low detection of total pesticide concentration in vegetable extract	201811034534	September 13, 2018	
80.	Dr. Nidhi Chauhan, Ms. Shakshi Pareek and Dr. Utkarsh Jain	Electrochemical sensor using hybrid nanomaterials for cervical cancer detection.	201911000276	January 3, 2019	
81.	Nada Rahman, B.P. Nayak, J. N. Malhotra, M. Khanuja and O.P. Sinha	Nanoparticles integrated with lactose on FTO act as sensing interface for femtomolar detection of Ricin.	201911002753	January 23, 2019	Granted on 01.04.2024
82.	Dr. Nidhi Chauhan, Dr. Utkarsh Jain, Dr. Manika Khanuja	PD Nanoparticles and molybdenum disulfide (MOS2) integrated sensing.	201911024092	June 18, 2019	
83.	Dr. Nidhi Chauhan, Asmita Gupta, Dishant Nigam, Abubav Arira, SNC Sai Prasad	A calmodulin based calcium sensing device	201911011663	June 18, 2019	

84.	Dr. Utkarsh Jain,	Organophosphorous	201911011664	June 18,
	Dr. Nidhi Chauhan	pesticide detection by molecularly imprinted polymer/ MOS2 based biosensor.		2019
85.	Shikha Wadhwa, Alishba T John, Ashish Mathur	Microfluidic based low cost point-of-care apta- sensor for detection of Vitamin D3	CRN3627	November 21, 2019
86.	Dr. Arpita Bhattacharya	Hydrophobic coating formulation with titania nanoparticles prepared through peptization method	201911010631	March 19, 2019
87.	Mahima Sharma, Subhasha Nigam, Monika Joshi, Kannikka Behl, D. K Avasthi, Rupal Sarup	Superhydrophobic textile sludge derived biochar-polydimethylsiloxane nanocomposite for produced water remediation	201911041699	October 15, 2019
88.	Shikha Wadhwa, Ashish Mathur, Alishba T John	A luminescent thin film based on graphene quantum dots (GQDs)	202011000840	January 1, 2020
89.	Dr. Arpita Bhattacharya	Waste water treatment with sugarcane bagasse based carbon material and titania nanoparticle mixture.	201911014266 (Published on 20.08.2021)	April 9, 2020
90.	Ranu Nayak, Sudeep Bose and Sangeeta Choudhury	An ultrasensitive and accurate single/multiplexed detection of both DNA and protein biomarker in the same platform	202011007723	April 2020
91.	Shalini Nagabooshanam, Asish Venkat, Ashish Mathur, Ashwani K Dubey, Shikha Wadhwa	A system for detection of organophosphates pesticides and method thereof	202011032561	July 29, 2020
92.	Dr. Nidhi Chauhan, Dr. Utkarsh Jain, Sapna Balayan	Electrochemical ultrasensitive detection of neonatal sepsis.	Under process	April 2020
93.	Dr.Utkarsh Jain, Dr. Nidhi Chauhan, Shringika, Sapna Balayan	A capillary based direct SARS detection device	Under process	April 2020

94.	Dr. Utkarsh Jain, Dr. Nidhi Chauhan, Sapna Balayan	Immunosensor based detection for neonatal sepsis.	Under process	April 2020
95.	Utkarsh Jain, Nidhi Chauhan, Shringika Soni, Kirti Saxena, Sapna Balayan	Aptasensor based detection of SARS-CoV-2 on Screen Printed Electrode.	Under process	April 2020
96.	Nidhi Chauhan, Utkarsh Jain and Sakshi Pareek,	'An ultra sensitive and selective nano-molecular Imprinting polymer based electrochemical Sensor for Follicle-stimulating hormone (FSH) detection'	202111005799	February 11,2021
97.	Dr. Monika Joshi, Dr. Sandip Chakrabarti	A method for rapid removal of diclofenac sodium from aqueous solution by nitrogen doped graphene Nanosheet.	202111030431	07 July 2021
98.	Arpita Bhattacharya	A method of preparing a porous activated carbon from Guar Gum- Alginate composite gel	202111059125	18 th July 2021
99.	Arpita Bhattacharya	A method for preparation of Carbon Black and Nano-Silica from Rice Husk	202111053510	22 nd November 2021
100.	Sandip Chakrabarti	A porous coral like M@mox/C hybrids for removing antibiotics from aqueous solution and method thereof	202111062273	31st December 2021
101.	Monika Dubey, Jyoti Sharma, Subhasha Nigam, Monika Joshi,	A novel composition and synthesis of CEO2 nanoparticles using microalgae for photocatalytic degradation of doxycycline in water thereof	202211008856	February 21, 2022
102.	Monica Jaiswal, Robin Kumar, Ravi mani Tripathi, Jagjiwan Mittal,	'BISMUTH OXIDE NANORODS FOR H2S SENSING IN AIR AND MEAT	202211020895	April 7, 2022

	AINT, AUUP, Noida	PACKAGING AND METHOD THEREOF'			
103.	Sandip Chakrabarti, Abhyavartin Selvam, Geetika Jain, AINT, Rajib Ghosh Chaudhuri, Mrinal Kanti Mandal, Abhiram Hens	An assembly having metal-organic framework based solar absorber for effective photothermal desalination	202111025489	June 08, 2022	
104.	Abhishek Mishra, Richa Krishna, Monika Joshi,	A biocompatible, antimicrobial membrane for water remediation	202211036385	June 24, 2022	
105.	Mahima Sheoran, Rohit Sharma, Om Prakash Sinha, AINT	A method for synthesis of carbon spheres using peas peel	202211044603	August 4, 2022	

Patent granted – 42 Nos.