



Dr. D. Y. Patil Vidyapeeth, Pune

(Deemed to be University)

(Re-accredited (3rd cycle) by NAAC with a CGPA of 3.64 on a four point scale at A++ Grade)

(An ISO 9001 : 2015 and 14001 : 2015 Certified University)

List of National & International Patent Granted Under the Name of Dr. D. Y. Patil Vidyapeeth, Pune

Duration –2015 – till date

Sr. No.	Name of the Inventors	Title	National / International	Application No.	Date of Filing	Date of Published	Date of Granted
1.	1) NeeluNawani 2) Prithviraj Desale 3) Aminur Rahman 4) Noor Nahar 5) BalasahebKapadnis 6) Abul Mandal	A novel technology for the removal of metals from aqueous solutions	INDIAN	17/MUM/2015	03/02/2015	29/01/2016	Granted on 13/08/2021 Patent Number 374556
2.	1) NeeluNawani 2) Prithviraj Desale 3) BalasahebKapadnis 4) Aminur Rahman 5) Noor Nahar 6) Abul Mandal	A method for removal of metals from aqueous solutions using bio adsorbents	World Intellectual Property Organization (WIPO)	PCT/IB2016/050358	25/01/2016	11/08/2016	15/01/2019 Patent No. US10179321B2
3.	1) NeeluNawani, 2) Prithviraj Desale, 3) BalasahebKapadnis, 4) Aminur Rahman, 5) Noor Nahar, 6) Abul Mandal, 7) Ghosh Sibdas	Method for removal of metals from aqueous solutions using bio adsorbents	US	15548526	03/08/2017	01/02/2018	Granted on 15.01.2019
4.	1) Dr. Gargi Sarode 2) Dr. Sachin Sarode 3) Dr.Anirudhha Joshi	A tooth holding device	AUSTRALIA	2021106878	24/08/2021	25/11/2021 Publication of AU2021106878A4	Granted on 25/11/2021
5.	1) Dr. Gargi Sarode 2) Dr. Sachin Sarode 3) Dr.Anirudhha Joshi	An organic absorbent composition and method of preparation thereof	AUSTRALIA	2021106879	24/08/2021	25/11/2021 Publication of AU2021106879A4	Granted on 25/11/2021
6.	Dr. Viniti Vaidya	A system for processing agar waste/liquified waste material	Indian Patent	202221061434	28/10/2022	16-12-2022	Granted on 18/08/2023 Patent No. 445733



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**LIST OF NATIONAL & INTERENATIONAL PATENT FILED & PUBLISHED UNDER THE NAME OF
DR. D. Y. PATIL VIDTAPEETH, PUNE**

Duration –2015 – till date

Sr. No.	Name of the Inventors	Title	National / International	Application No.	Date of Filing	Date of Published
PATENT PUBLISHED						
1.	1) NeeluNawani 2) Prithviraj Desale 3) Aminur Rahman 4) Noor Nahar 5) BalasahebKapadnis 6) Abul Mandal	A NOVEL TECHNOLOGY FOR THE REMOVAL OF METALS FROM AQUEOUS SOLUTIONS	INDIAN	17/MUM/2015	03/02/2015	29/01/2016
2.	1) NeeluNawani 2) Prasad Thakre 3) Manisha Junnarkar 4) Abul Mandal 5) Jana Jass	TIKLAB: A PROBIOTIC FORMULATION	INDIAN	1778/MUM/2015	04/08/2015	05/08/2016
3.	1) NeeluNawani 2) Prithviraj Desale 3) BalasahebKapadnis 4) Aminur Rahman 5) Noor Nahar 6) Abul Mandal	A METHOD FOR REMOVAL OF METALS FROM AQUEOUS SOLUTIONS USING BIO ADSORBENTS	World Intellectual Property Organization (WIPO)	PCT/IB2016/050358	25/01/2016	11/08/2016
4.	1) NawaniDr.Neelu 2) Sagaonkar Neeta 3) YewalePriti 4) Thakare, Prasad 5) Mandal, Abul	A BIOLOGICAL AIR PURIFIER AND A METHOD THEREOF	INDIAN	201621009457	18/03/2016	15/04/2016
5.	1) NeeluNawani, 2) Neeta Salgaonkar, 3) PritiYewale, 4) Prasad Thakare, 5) Abul Mandal	A BIOLOGICAL AIR PURIFIER AND A METHOD THEREOF	World Intellectual Property Organization (WIPO)	PCT/IB2016/052528 Publication Number WO/2017/158403	04/05/2016	21/09/2017

Sr. No.	Name of the Inventors	Title	National / International	Application No.	Date of Filing	Date of Published
6.	1) Palekar, 2) Dr. Tushar J. 3) Vardhan, 4) Dr.G.D.Vishnu	A REAL-TIME CHEST EXPANSION MEASURING SYSTEM	INDIAN	201621039928	23/11/2016	13/01/2017
7.	1) Manisha Deshpande	RAINWATER MANAGEMENT SYSTEM USING ELEVATED CHANNELS OVER ROADS	INDIAN	201721024084	07/07/2017	11/05/2018
8.	1) NeeluNawani, 2) Prithviraj Desale, 3) BalasahebKapadnis, 4) Aminur Rahman, 5) Noor Nahar, 6) Abul Mandal, 7) Ghosh Sibdas	Method for removal of metals from aqueous solutions using bio adsorbents	US	15548526	03/08/2017	01/02/2018
9.	1) Dr. Gargi Sarode 2) Dr. Sachin Sarode 3) Dr. Anirudhha Joshi	AN ORGANIC ABSORBENT COMPOSITION AND METHOD OF PREPARATION THEREOF	INDIAN	201821023643	25/06/2018	11/01/2019
10.	1) Dr. Gargi Sarode 2) Dr. Sachin Sarode 3) Dr. Anirudhha Joshi	A TOOTH HOLDING DEVICE	INDIAN	201821028289	27/07/2018	18/01/2019
11.	1) Dr. Nilesh Kumar Sharma 2) Mr. Ajay Kumar Raj 3) Mr. Amresh Kumar Yadav	Method of generating genotoxic, anti-proliferative and pro-apoptotic DMSO fractionated compounds of cow urine and composition thereof	INDIAN	201821025084	05/07/2018	17/05/2019

Sr. No.	Name of the Inventors	Title	National / International	Application No.	Date of Filing	Date of Published
12.	1) Deshpande, Manisha Sharadchandra	Device to divert rainwater	INDIAN	201821039143	15/10/2018	01/02/2019
13.	1) Dr. Mahesh Shivaji Chavan 2) Dr. Supriya Mohit Kheur 3) Dr. Deepak Gopal Kulkarni 4) Dr. Priti Mahesh Chavan 5) Dr. Archana Anshuman Gupta 6) Vikrant Ramdas Patil 7) Avinash Haribhau Kharat	A method for composition of an inducer using Indian propolis and IT TM use for differentiation of human dental pulp stem cells into epithelial and neural-lineages	INDIAN	201821032657	28/02/2019	04/09/2020
14.	1) Deshpande, Manisha Sharadchandra 2) Singh, Anmol	Process for preparation of tubular grafts or tubular scaffolds for tissue engineering	INDIAN	201821042296	9/11/2018	06/09/2019
15.	1) Dr. Nilesh Kumar Sharma 2) Mr. Ajay Kumar Raj	Method of using goat urine DMSO fraction as anti-proliferative and apoptotic cell death compounds against cancer cells and composition thereof	INDIAN	201821048505	21/12/2018	03/05/2019
16.	1) Dr. Nilesh Kumar Sharma 2) Ajay Kumar Raj 3) Ms. Asawari Waghmode	Design Of Vertical Tube Electrophoretic System and Method to Fractionate Small Molecular Weight Compounds Using Polyacrylamide Gel Matrix	INDIAN	201921000760	08/01/2019	01/03/2019

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17.	1) Mr. Arun D. Sonar (Limgaokar) 2) Mr. Lalit R. Chudhari 3) Ms. Neha S. Sawant 4) Ms. Jaymala V. Salunke 5) Mr. Tushar J. Palkar 6) Ms. Shilpa D. Khandare 7) Ms. Kalyani D. Chavan	System And Method for Hand-Eye Coordination	INDIAN	201921017710	03/05/2019	09/08/2019
18.	1) Dr. Nilesh Kumar Sharma 2) Dr. Sachin C. Sarode 3) Mr. Manmohan Mitruka	A Method to Fractionate and Analyze Metabolome and Mineralome from Nail Materials of OSCC For Biomarker Discovery	INDIAN	201921017907	04/05/2019	06/11/2020
19.	1) Dr. Nilesh Kumar Sharma 2) Dr. Sachin C. Sarode 3) Roshni Pal	A Method of Urine Metabolite Profiling by Combining Vertical Tube Gel Electrophoresis And LC-HR-MS for The Detection of Oral Cancer	INDIAN	201921021395	29/05/2019	04/12/2020
20.	1)Dr. Gargi Sarode, 2) Dr. Sachin Sarode, 3) Dr.Neelukumari Choudhary, 4) Dr. Ayushi Kaushik, 5) Dr. Namrata Sengupta	A NATURAL TOOTH TATTOO	INDIAN	202021041066	22/09/2020	19/03/2021

Sr. No.	Name of the Inventors	Title	National / International	Application No.	Date of Filing	Date of Published
21.	1)Dr.Ravindra V. Badhe 2)Dr. Ramesh R. Bhonde 3)Dr. Amit P. Jaisinghani 4)Dr Supriya M. Kheur 5)Dr Archana A. Gupta	Controlled Release of Noble Composition and Manufacturing Process Thereof for Bone Regeneration.	INDIAN	202021041322 Exam request	23/09/2020	19/03/2021
22.	1)Dr.Nilookumari Choudhary 2)Dr. Sachin Sarode 3)Dr. Namrata Sengupta 4)Dr. Gargi Sarode 5)Dr. Ayushi Kaushik	An Organic Stain for Studying Morphology of Red Blood Cells.	INDIAN	202021041323	23/09/2020	19/03/2021
23.	1)Dr.Aarya Mane	SENSOR-ENABLED SOCIAL DISTANCING MASK	INDIAN	202021041324	23/09/2020	25/03/2022
24.	1) Dr. Manisha Ashish Rathi 2) Dr. Bhavana Ambudkar	Response Analyzer of Sensory Motor Interaction (Rasmi)	INDIAN	202021041325	23/09/2020	25/12/2020
25.	1) Jennel Roberts 2) Dr Mayura P. Deshmukh 3) Leo Xavier Louis 4) HarshalSuryavanshi 5) Dr. Tushar J. Palekar	Stimulus Reaction Chronograph (SRC)	INDIAN	202021041326	23/09/2020	25/12/2020
26.	1) Dr. Aayush Gupta 2) Geethanjali Radhakrishnan 3) John King 4) Mohammed Irfan	A Cutaneous Punch Biopsy Instrument with An Attached Base Cutter And A Tissue Retention System	INDIAN	202021045993	22/10/2020	22/01/2021
27.	Dr. Gargi Sarode Dr. Sachin Sarode Dr. Namrata Sengupta Dr. Urmi Ghone Dr. Sujata Yerawadekar Dr. Anirudhha Joshi	A device for transilluminating lymph node detection for histopathological grossing	Indian Patent	202121009472	07/03/2021	22/07/2022



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28.	Dr. Gargi Sarode Dr. Sachin Sarode Dr. Namrata Sengupta Dr. Urmi Ghone Dr. Sujata Yerawadekar Dr. Anirudhha Joshi	Devices for controlled dispensing of liquids	Indian Patent	202121009473	07/03/2021	22/07/2022
29.	1) Dr. Gargi Sarode 2) Dr. Sachin Sarode 3) Dr. Anirudhha Joshi	A tooth holding device	AUSTRALIA	2021106878	24/08/2021	25/11/2021 Publication of AU2021106878A4
30.	1) Dr. Gargi Sarode 2) Dr. Sachin Sarode 3) Dr. Anirudhha Joshi	An organic absorbent composition and method of preparation thereof	AUSTRALIA	2021106879	24/08/2021	25/11/2021 Publication of AU2021106879A4
31.	Dr. Sarang Gotecha Dr. Ashish Chugh	An Apparatus for Detection of Malignant Tumours.	Indian Patent	202121040597	07/09/2021	25/11/2022
32.	Dr. Tanushree Banerjee	Auto stylus face masks with front opening flap and detachable filters	Indian Patent	202121061372	29/12/2021	07/01/2022
33.	Dr. Sachin Rohani Dr. Urmila Patil	A SYSTEM AND COMPUTER IMPLEMENTED METHOD FOR MEDICAL IMAGE PROCESSING	US Patent Complete specification	17567752	03/01/2022	07/07/2022 20220215552
34.	Dr. Aayush Gupta Shubham Niture 9168549692 shubham@qtanea.com Chirayu Barde	A Pain Abating Device	Indian Patent	202221016928	25/03/2022	27/05/2022

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35.	Dr. Sarang Gotecha Dr. Ashish Chugh	An Apparatus for Detection of Malignant Tumours.	PCT	PCT/IN2022/050794	06/09/2022	16/03/2023
36.	Dr. Viniti Vaidya	A system for processing agar waste/liquified waste material	Indian Patent	202221061434	28/10/2022	16-12-2022
37.	Dr Amita Aggarwal, Rucha Choudhary, Dr Tushar J Palekar	A Device for Vibration with Therapeutic Algometer	Indian Patent	202321000581	04-01-2023	27/01/2023
38.	Rutuja Abhijit Malavde, Dr.Roop R. Desai, Dr.Tushar J.Palekar, Hrudesh Nitin Chavan	A WIRELESS System For Measuring Handgrip Strength and Pinch Strength	Indian Patent	202321000593	04-01-2023	27/01/2023
39.	Dr. Mrudula Sangaonkar, Dr. Divya Gohil, Janhavi Mahure, Archana Makhija, Anagha Mahajan, Dr. Gaurang Baxi, Dr. Tushar Palekar	A Frontal Plane Postural Assessment (FPPA) Device for Measuring Shoulder Level Symmetry	Indian Patent	202321001260	06-01-2023	27/01/2023
40.	Dr. Divya Gohil, Preeti Prakash Shrisunder, Shruti Nathan, Vishruti Sojitra, Surbhi Baniya, Dr. Tushar J. Palekar	A Sensory Re-Education and Desensitization System	Indian Patent	202321000632	04-01-2023	27/01/2023
41.	Arsh Mushtaqali Shikalgar, Sanjana Nikam, Dr. Khyati Patole, Dr. Chaitanyaa Wani, Dr. Seema Saini, Dr. Tushar J. Palekar	A Gait Assessment System	Indian Patent	202321000678	04-01-2023	27/01/2023



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42.	Dr. Avinash Sanap Dr. Ramesh Bhonde Dr. Ravindra Badhe Dr. Supriya Kheur Dr. Avinash Kharat	Induced Mesenchymal stem cell (MSCs) derived exosomes fortified chitosan sheet for treatment of Thermal Injuries (Intermediate thickness).	Indian Patent	202321001036 FORM 1(Provisional)	05/01/2023	-
43.	Dr. Sonali Deshmukh Dr. Digant Thakkar Dr. Arundhati Das Dr. Adnan Khan	Customized extra radicular SD Bone Screw Placement Guide Tube	Indian Patent	202221052203	25-01-2023	10/02/2023
44.	Dr. Nilesh Sharma Dr. Sachin Sarode Mrs. Ariba Nadim	A Method and Process for the milk teeth metabolic Profiling (metabopsy) for the detection of inheri	Indian Patent	202321005866	30-01-2023	17/03/2023
45.	Dr. Avinash Kharat Dr. Ramesh Bhonde Dr. Ravindra Badhe Dr. Supriya Kheur Dr. Avinash Sanap	Portable mini bioreactor or animal cell culture	Indian Patent	202321016718 FORM 1(Provisional)	13-03-2023	-
46.	Dr. Babasaheb Jadhav Mr. Sagar Kulkarni Dr. Ashish Kulkarni Dr. Chetan Chaudhari Dr. Amol Gawande	IOT-Based Vehicle Authority and Monitoring System Using Driving License	Indian Patent	202321044469	03/07/2023	15/09/2023
47.	Dr. Sarang Gotecha Dr. Ashish Chugh	An electro – surgical apparatus for grasping and coagulating	Indian Patent	202321050959	28/07/2023	29/09/2023
48.	Dr. Bhimappa Mallappa Rudagi Dr. Arif Merchant	Mandibular Reduction and Retraction forceps	Indian Patent	202321050952	28/07/2023	29/09/2023



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49.	(Col.) Rajat Mohan Bhatt Dr. Deepali Garge	A Method for analysing qualitative data using Visual Flow Analysis Tool (V-Fat)	Indian Patent	202321058344	30/08/2023	-