



# Rashtrasant Tukadoji Maharaj Nagpur University

Formerly known as Nagpur University



Accredited with Grade "A" by NAAC

## 3.4.3 Number of Patents published/awarded during the last five years (19)

| Sr No | Name of the Patenter | Patent Number          | Title of the Patent                                                                                                | Year of the Patent | Link                                                                                                                              | Link certified by Authority |
|-------|----------------------|------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 1     | Dr. Archana Moon     | 4342/MUM/2015          | Method for extraction of antibacterial Ellagic acid towards mechanistic action against proteins from MDR isolates. | 2015-16            | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2465">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2465</a> |                             |
| 2     | Dr. Archana Moon     | 4621/MUM/2015          | Quercetin extraction method for treatment of Multidrug-resistant Urinary Tract Infection                           | 2015-16            | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2466">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2466</a> |                             |
| 3     | Dr. Archana Moon     | 4622/MUM/2015          | Method for Chlorogenic acid extraction for treatment of MDR-UTI with PBP and $\beta$ -lactamase inhibitory action. | 2015-16            | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2467">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2467</a> |                             |
| 4     | Dr. Archana Moon     | TEMP/E-1/9452/2017-MUM | Formulation of sustained release oral floating matrix tablet of chlorogenic acid.                                  | 2016-17            | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2468">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2468</a> |                             |

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|----|-----------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------|--|
| 5  | Dr. Prashant Puranik, Anwar Daud, Shankar Pol, Rajesh Nawale, Vijay Mathur, Shamsuddin Jamaluddin, Vishal Rajkondawar | PCT/IN2018/05044 4 | Novel Pharmaceutical cocrystal of dabigatrin etixelate                  | 2018-19 | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2475">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2475</a> |  |
| 6  | Mr. Anup Purushottamrao. Bhat , Dr. Sanjay J. Dhoble                                                                  | 201621043369       | LOW COST MICROCONTROLLER BASED ELECTROLUMINESCENCE INSTRUMENT           | 2016-17 | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2480">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2480</a> |  |
| 7  | Alisha Nanwani, Abhay D. Deshmukh, Kavita Pande, Sanjay J. Dhoble, Dilip R. Peshwe                                    | 201821021689       | ASYMMETRIC SUPERCAPACITOR WITH LAYERED DOUBLE HYDROXIDE (LDH) ELECTRODE | 2018-19 | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2481">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2481</a> |  |
| 8  | Dr. Sanjay J. Dhoble                                                                                                  | 201921008367 A     | GAMMA RADIATION SHIELDING COMPOSITE MATERIALS                           | 2018-19 | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2482">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2482</a> |  |
| 9  | Dr. Sanjay J. Dhoble                                                                                                  | 201921008363 A     | MICROCONTROLLER BASED HIGH VOLTAGE PULSE ELECTRIC FIELD GENERATOR       | 2018-19 | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2484">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2484</a> |  |
| 10 | Dr. Sanjay J. Dhoble                                                                                                  | 201921008359 A     | METAMATERIAL BASED 5G ANTENNAS FOR MOBILE NETWORKING                    | 2018-19 | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2485">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2485</a> |  |

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| 11 | Dr. Sanjay J. Dhoble         | 201921008358 A | GSM-BASED STREETLIGHT WIRELESS COMMAND AND CONTROL SYSTEM                 | 2018-19 | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2486">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2486</a> |  |
| 12 | Dr. Sanjay J. Dhoble         | 201921008372 A | MICRO-STRIP ANTENNA APPLICATION SYSTEM FOR USE IN BREAST CANCER DETECTION | 2018-19 | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2487">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2487</a> |  |
| 13 | Dr. Sanjay J. Dhoble         | 201921020429 A | METHOD FOR THE SYNTHESIS OF DEGRADABLE BLACK PEPPER COMPOSITE MATERIAL    | 2018-19 | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2488">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2488</a> |  |
| 14 | Dr. Sanjay J. Dhoble         | 201921020617 A | PROCESS FOR PREPARATION OF ANTIMICROBIAL NANOEMULSION                     | 2018-19 | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2499">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2499</a> |  |
| 15 | Dr. Sanjay J. Dhoble         | 201921020618 A | NANOEMULSION COMPOSITION AND METHOD OF PREPARATION THEREOF                | 2018-19 | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2501">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=2501</a> |  |
| 16 | Dr. Kokare Dadasaheb Mahadeo | 2.01821E+11    | Novel Apparatus for Assessment of Anger-Like Behavior in The Rodents      | 2019-20 | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=6853">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=6853</a> |  |
| 17 | Akhilesh Ugale               | 201921032009 A | Synthesis of EU(TTA) 3 Dmphen Hybrid Organic Complex                      | 2019-20 | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=6859">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=6859</a> |  |
| 18 | A. R. Kadam                  | 201921035528 A | Process for Synthesis of CE3+CO-DOPED Basif6 Phosphor                     | 2019-20 | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=6860">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=6860</a> |  |
| 19 | Dr. Sanjay J. Dhoble         | 201921029249 A | Automatic Microcontroller Based ICE Defrosting Instrument                 | 2019-20 | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=6861">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=6861</a> |  |

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| 20 | Vaishali Vishal Pimple | 201921020617 A | PROCESS FOR PREPARATION OF ANTIMICROBIAL NANOEMULSION                                           | 2019-20 | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=6863">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=6863</a> |  |
| 21 | Kena J. Shukla         | 202021006706 A | System for Energy Harvesting                                                                    | 2019-20 | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=6865">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=6865</a> |  |
| 22 | Vibha Chopra           | 202011020691 A | AN Ultra Violet Sanitizer for PPE Kits, Pollice Uniform and clothes                             | 2019-20 | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=6866">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=6866</a> |  |
| 23 | Dr. Abhay Deshmukh     | 2.01921E+11    | Fabrication of Extended voltage symmetric supercapacitor Device and method for fabricating same | 2019-20 | <a href="http://iqams.uniserv.co.in/DocumentReader.aspx?docid=6867">http://iqams.uniserv.co.in/DocumentReader.aspx?docid=6867</a> |  |







