



D. Y. Patil Education Society, Deemed to be University, Kolhapur

Patents

| Sr. No | Title | Applicant Name | Patent No. | Date of Filling | Date of Published | Status |
|-------------|---|--|---------------------|-----------------|-------------------|-----------------------|
| 2015 | | | | | | |
| 1 | Synthesis of Biocompatible Nanofluids based on Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ Nanoparticles for Cancer Hyperthermia therapy | M. R. Phadatare, Shivaji H.Pawar, | 2251/MUM/2014 | 10/07/2014 | 27/05/2015 | Published |
| 2 | Preparation of Nanofluid based on core shell ferromagnetic nanoparticles. | V. M. Khot, Shivaji H.Pawar | 2252/MUM/2014 | 10/07/2014 | 24/07/2015 | Published |
| 3 | Preparation of nano-polymer for the treatment of non-healing and diabetic wounds and tissue engineering application | Dr. Meghnad Joshi, Ms. Yogita Velankar Mr. Allauddin Mujawar | 2253/MUM/2014 | 10/07/2014 | 24/07/2015 | Published |
| 4 | Scaffolds of Umbilical cord for tissue engineering and preparation method thereof. | Sneha Khumbar, Shivaji H Pawar. | 3247/MUM/2015 | 25/08/2015 | 18/09/2015 | Published |
| 2016 | | | | | | |
| 5 | Extraction Method of nucleic acids using salicylic acid magnetic nanoparticles. | Arpita Tiwari, Shivaji H Pawar | 4579/MUM/2015 | 04/12/2015 | 06/05/2016 | Published |
| 6 | Gas sensor and method for manufacturing the same, | J. H. Kim, A. C. Lokhande, J. H. Moon, I. Y. Kim, | 0131112016056997579 | 14/06/2016 | | Korean Patent granted |

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| | | C. D. Lokhande, J.Y.Lee, | | | | |
| 2017 | | | | | | |
| 7 | A functionalized nanoparticle for detection and separation of microbes. | Raghvendra A. Bohara , Shivaji H. Pawar | 201621009050 | 15/03/2016 | 15/09/2017 | Published |
| 8 | A method of treatment of fluids with the functionalized cobalt ferrite magnetized nanoparticles. | Raghvendra A. Bohara , Shivaji H. Pawar. | 201621009051 | 15/03/2016 | 15/09/2017 | Published |
| 9 | A light sensitive anti-microbial nanocomposite composed of chitosan and doped metal oxide nanoparticles. | S. H. Pawar , A. V. Raut, | 201621015192 | 02/05/2016 | 10/11/2017 | Published |
| 10 | Antibacterial nanoparticles and method for synthesizing for same | J. H. Kim, A. C. Lokhande, D. S. Lee, I. Y. Kim, C. D. Lokhande, M. R. Sanadam | 01311112017011069975 | 02/02/2017 | | Korean Patent granted |
| 2018 | | | | | | |
| 11 | A method for producing polyoxovanadate intercalated layered copper hydroxide compound | Dr. J. L. Gunjekar, Prof. C. D. Lokhande, Dr. Saji Thomas Kochuveedu, Mr. Shrikant V. Sadavar, Mr. Navnath S. Padalkar, Dr. V. V. Bhosale. | 201821018926 | 21/05/2018 | 27/07/2018 | Published |
| 12 | A chemical synthesis process of cobalt manganese phosphate thin films on conducting substrate | Dr. Umakant Patil, Mr. Pranav K. Katkar, Ms. Supriya J. Marje, Dr. V. V. Bhosale, Prof. C. D. Lokhande | 201812018918 | 21/05/2018 | 10/08/2018 | Published |
| 13 | A method of ytterbium sulphide thin coating on sold surfaces | Prof. C. D. Lokhande, Dr. R. B. Pujari, Dr. V. V. Bhosale , | 201821015970 | 27/04/2018 | 22/06/2018 | Published |

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| | | Mr. A. C. Lokhande | | | | |
| 14 | An Improved solid state device for energy storage | Prof. C. D. Lokhande, Dr. A. M. Patil, Mr. A. C. Lokhande, Dr. V. V. Bhosale | 201821021727 | 11/06/2018 | 20/07/2018 | Published |
| 15 | Chemically deposited large area and nanostructured samarium oxide thin films for energy storage | Prof. C. D. Lokhande, Dr. R. B. Pujari, Dr. V. V. Bhosale, Mr. V. C. Lokhande, Mr. S. B. Ubale | 201821022705 | 18/06/2018 | 20/07/2018 | Published |
| 16 | Cathode for water electrolysis and manufacturing method thereof. | J. H. Kim, Jin Hyeok, Mr. A.C. Lokhande, I. Y. Kim, D.S.Lee, Prof. C. D. Lokhande, P. T. Babar, Mr. V. C. Lokhande, | 0131112016056997579 | 30/11/2017 | | Korean Patent |
| 2019 | | | | | | |
| 17 | Method of Constructing tissue Engineered Human Ear Pinna Prosthesis. | Dr. Meghnad Joshi, Mr, Shashikant Desai, Miss. Swapnali Jagadale, Mr. Nilesh Bhamare | 201921004685 | 06/02/2019 | 01/03/2019 | Published |
| 18 | Synthesis Process of Composite Artificial Skin Biopink for 3D Bioprinting and Wound Healing Applications. | Dr. Meghnad Joshi, Mr, Shashikant Desai, Miss. Swapnali Jagadale, Mr. Nilesh Bhamare | 201921004686 | 06/02/2019 | 01/03/2019 | Published |
| 19 | Process for Embedding Oleic Acid Coated Superparamagnetic Iron Oxide Nanoparticles in Lipidic. | Dr. Arvind Gulbake, Dr. C. D. Lokhande, Dr. V. V. Bhosale, Mr. Satyajeet Harugale, Miss. Tahseen Momin | 201921019463 | 16/05/2019 | 21/06/2019 | Published |