

## Department of Biotechnology - Patents

Title of Investigation	Patent Type	Application Number/Patent Number	Status (Published/Granted)	Date of Publishing/Grant)
Smart Medical Dispenser	Design	432750-001	Granted	2024
Tigecycline-Nalidixic Acid Encapsulated Nano-Scaffold to Combat Staphylococcus Aureus Pathogen.	Product	202221029660	Granted	2024
Nano Encapsulated Knee Plaster.	Product	202221064556	Granted	2024
PEGylated liposomal Acinetobactin Colistin.	Product	202221003448	Filed	2022
Pentananoplast An Electrospun Tailored Nanofibre Plaster With Permeation Enhancer	Product	202221000346	Granted	2025
Hybrid Nano Scaffold for Regenerative Therapy	Product	202121053520	Granted	2021
Nano Hydo Fibre Scaffold (NANO hyFi).	Product	202121053519	Filed	2021
An Improved mask	Product	202021018716	Filed	2020
Herbal based hand and face sanitizers	Product	202041021198	Filed	2020
Improved alcohol hand sanitizers.	Product	202041021188	Filed	2020
Synthesis of Thieno pyrimidine Derivatives.	Product	201841047995	Filed	2018
Hybrid Dental Implant Forceps.	Design	415483-001	Granted	2024
Nano Encapsulated Knee Support.	Design	355914-001	Granted	2021
Nano Elastic Bandage	Design	355913-001	Granted	2021
Disposable Face Mask with Tissue.	Design	356065-001	Granted	2022
Portable Medical Waste Cabinet with UV light sterilizer	Design	376561-002	Granted	2023

Hybrid Secondary Wound dressing pad	Design	376562-001	Granted	2023
Remote operatable Medical waste collecting Bin with UV light sterilizer.	Design	376561-001	Granted	2023
Hybrid Nano encapsulated Knee plaster	Design	376537-001	Granted	2023
Water retaining absorbent for Agricultural soil.	Design	384512-001	Granted	2023
Automatic Micro Irrigation System	Design	384513-001	Granted	2024
Disposable Face Mask with Perfumed Tissue.	Design	356064-001	Granted	2024
A Novel Approach to Mycobacterium tuberculosis Clearance Targeting Autophagy and Calcium Signalling	Process	202421090854	Filed	2024
Glycoprotein Conjugated Liposomal Nano scaffold to combat Porphyromonas gingivalis.	Product	202421000000	Filed	2024
Nanoengineered Scaffolds for Drug-Resistant S. aureus in Surgical Site Infections.	Product	202421000000	Filed	2024
Drug Injector for Gum Disease Treatment.	Design	442771-001	Granted	2025
Feruliplat: A Novel Nanodrug for Targeted Therapy of Ovarian Cancer	Process	202421090855	Filed	<b>2024</b>
MENSTRUAL PANTY WITH INTEGRATED HERBAL THERAPYPOCKETS	Process	<b>466621-001</b>	<b>Filed</b>	<b>2024</b>
Advanced Multi-Layer Industrial Chimney Filter System for High-Efficiency Benzene Removal	Process	466591-001	<b>Granted</b>	<b>2025</b>

Portable Field-Deployable Microplastic Detection Kit for Drinking Water Analysis	Process	466636-001	<b>Granted</b>	<b>2025</b>
QuadraHeal BioWrap: Herbal Nanotech Wound Dressing	Product	202521086468	Filed	<b>2025</b>
NutriNano Therapy: A Green Nanotech-Based Strategy for Managing Anemia.Application	Product	202521086453	Filed	<b>2025</b>
FiberDermAM: Antimicrobial, microfiber-reinforced artificial skin graft for wound regeneration	Product	202521085789	Filed	<b>2025</b>
Dual-Chamber Nutrient Dispensing System for Targeted Iron Supplementation	Process	466608-001	Filed	<b>2025</b>
Core-Shell green synthesized carbon dot for biomedical applications	Product	202521086024	Filed	<b>2025</b>