



## ST. MARY'S COLLEGE (AUTONOMOUS)

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Thoothukudi

### Patent Published by the Faculty

Name of the Faculty	Title of the Patent	Published Year/Date
Dr. C Infant Francita Fonseka	Machine Learning – Assisted Evaluation of Antibacterial Activity of Bismuth Ferrite (BiFeO <sub>3</sub> ) Nanoparticles for Healthcare Applications	2024
Dr.Maria Sahaya Sharmila	“A Study on the Impact of Teacher Feedback on Language Development”	2024
Dr.G.Flora Dr. Irudaya Antonat Sophia And Dr. A. Lakshmi	IOT Based Biodiesel Processor Appl.No: 202441006058	2024
Dr.C. Zozimus Divya Lobo	Green Synthesis and Characterisation of Nickel Oxide Nanoparticles using Corylus Jacquemontii (Seeds) Extract and its Effect on Cancer Cells	2023
Dr.C. Zozimus Divya Lobo	Different Stages of Ripening and Oxalate ions presence in Guava Fruit	2023
Dr.A. Nirmala Shirley	Artificial Inteligence - Based Approach to study the Impact of Temperature on Dielectric Properties of Bismuth Ferrite (BiFeO <sub>3</sub> ) Nanoparticles for PV Applications	2023
Dr. G. Flora	“An electronic automatic pharmacy filing and tablet capsule counting machine. Application number is 6323438.	2023
Dr. G. Flora, Dr.C.Shibana Dr. Irudaya Antonat Sophia Dr. A. Lakshmi Dr. Joys Selva Mary Albert	A method of preparation of Titanium coated Graphite – Carbon nanotube (CNT) Acrylonitrile - Butadiene-Styrene (ABS) Nano	2023

Dr.P.Subavathy	Composite for dye removal	
Dr. A. Nirmala Shirley	Implementation of Techniques for Analysis of Photodetectors Embedded with Chemical Vapor Deposited Lead-Free Bismuth Mixed Halide Perovskite Films	07/04/2023
Dr. J. Antony Rajam	Implementation of Techniques for Analysis of Photodetectors Embedded with Chemical Vapor Deposited Lead-Free Bismuth Mixed Halide Perovskite Films	07/04/2023
Dr. G. Amala Jothi Garce	Tellurium Nanoparticles Using Conus Betulinus and it's applications	16/11/2022
Dr. A. Arockia Jenecius Alphonse	Tellurium Nanoparticles Using Conus Betulinus and it's applications	16/11/2022
Dr. P. Subavathy	Tellurium Nanoparticles Using Conus Betulinus and its applications	16/11/2022
Dr. A. Arockia Jenecius Alphonse	Herbal Cosmetics for Skin Care Formulation	01/09/2022
Dr. P. Subavathy	Herbal Cosmetics for Skin Care Formulation	01/09/2022
Dr. G. Amala Jothi Grace	Herbal Cosmetics for Skin Care Formulation	01/09/2022
Dr. S. Sowmyayami	Smart Business Using Embedded Age Gender Estimation Sensor at Security Gate	26/08/2022
Dr. C. Zozimus Divya Lobo	Combination Treatments for Bacterial Infections Using Photochemical and Antibiotic Combinations	04/02/2022
Dr. J. Antony Rajam	Design of Chitosan Nanoparticle Coated Mini-Implants for Dental <b>issues</b> and Analysis of Their Properties	30/12/2022
Dr. J. Antony Rajam	Designing A Nanostructured Photovoltaics on Solar Panels to Increase theEfficiency of Solar Energy Utilization	11/07/2022
Dr. T. Priyanka	Frame work for Sales Force Competence Model	05/11/2021
Ms. A. Amora	Frame work for Sales Force Competence Model	05/11/2021

Dr. S. Sowmyayami	IOT Based New Device for Dairy Cow Body Conditions Scoring System	16/07/2021
Dr. C. Zozimus Divya Lobo	Chemical Structure Based Smart Investigation of Adverse Drug Reactions	30/12/2021
Dr. G. Amala Jothi Grace	A method of preparation of Titanium coated Graphite – Carbon nanotube (CNT) Acrylonitrile - Butadiene-Styrene (ABS) Nano Composite for dye removal	30/08/2019
Dr.Vithya Vijayalakshmi	Biometrically Activated Self Defense Device for Women Safety	26/10/2019