

LIST OF FACULTY PATENTS 2023-24

S.N O	NAME OF THE FACULTY	TITLE	PATENT APPLIED	PATENT PUBLISHED
1.	M.Durga Devi	Enhanced Mathematical Model for Predicting Turbulent Magnetohydrodynamics Flow Patterns in Industrial Applications	19/08/2023	35/2023 202341055678 01/09/2023
2.	Dr.V.Nagalakshmi	Developing Spectroscopy-Based Techniques For In-Depth Nanomaterial Analysis In Industrial Applications	03/12/2023	52/2023 202341082257 29/12/2023
3.	Dr.N.Gayatri Devi	Tunable Nanoparticle-Based Sensors For Accurate Humidity And Gas Detection	18/12/2023	02/2024 202341086648 12/01/2024
4	Dr.V.Nagalakshmi	Advanced Graphene-Based Nanostructured sensores for high-sensitivity Gas detection in industrial environments	18/03/2024	13/2024 202441020257 29/03/2024
5	Dr.C.A..Jyothirmaye e	Eco-FriendlyCatalysts:Fe3O4@SiO2-PMA-Cu Nano Particles for Green Triazole Synthesis	18/03/2024	13/2024 202441020256 29/03/2024
6	Dr.N.Gayatri Devi	Optimizing ph for efficient and stable microbial electromethanogenesis of CO ₂	02/04/2024	18/2024 202411027242 03/05/2024

LIST OF COLLEGE/FACULTY PATENTS 2022-23

S.N O	NAME OF THE FACULTY	TITLE	PATENT APPLIED	PATENT PUBLISHED
COLLEGE				
1.	Dr. Sr. Mercy P Dr. M. Padmaja Ms. G. Fathima Md. Ameena Anjum M. Venkata Harshika G.Nagalakshmi K. Kusuma mani chandana A.Deepika P.Lakshmi Supriya M.Geethanjali	Nutrilicious Mix-Protein Rich Supplementary Food To Malnourished Children	19th January, 2023	06/2023 10th February 2023 202341003708
FACULTY				
1.	Dr.V.Nagalakshmi	Predict the occurrence of radiation fog using statistical and ML models	28 th May, 2022	24/2022 202241030690 17 th June, 2022
2.	Dr.V.Nagalakshmi	Method for detection and quantification of target biomolecules	13 th June,2022	24/2022 202241033642 17 th June, 2022
3.	Dr.C.A.Jyothirmayee	Designing a nanostructured photovoltaics on solar panels to increase theefficiency of solar energy utilization	11 th July,2022	29/2022 202241039620 22 nd July, 2022
4.	Dr. M. Esther Kalyani Asirvadam	The Role Of Tourism Investment In Supporting Economic Development In India	21st August 2022	35/2022 20221047535 2nd September 2022
5.	Dr.N.Gayatri Devi	Compare And Contrast The Pros And Cons Of Toxicity Levels Of Bismuth Perovskite Based Solar Cells Against Lead- Based Ones	19th September, 2022	39/2022 202241053601 30th September 2022
6.	Mrs.B.Deepti Mrs.B.Durgadevi	Customisable Instant Non- Electric Winding, All Purpose Wearable Notifier Band	17th October202 2	51/2022 202241059115 23rd December 2022

7.	Dr. M. Padmaja	Nutrilicious Mix-Protein Rich Supplementary Food To Malnourished Children	19/01/2023	06/2023 202341003708 10/02/2023
8.	Dr.V.Nagalakshmi	Novel system and method for generating hydrogen by electrolysis of water from a green power source	11/02/2023	07/2023 202341009151 17/02/2023
9.	Dr.N.Gayatri Devi	Nanotechnology-based Coating for Improved Thermal Performance in Solar Water Heaters	01/03/2023	11/2023 202341013797 17/03/2023

LIST OF COLLEGE/FACULTY PATENTS 2021-22

S.NO	NAME OF THE FACULTY	TITLE	PATENT APPLIED	PATENT PUBLISHED
COLLEGE				
1.	Dr.Sr.Showrilu	Synthesis of D-tartatic acid from L-tartaric acid using shock waves	9 th December, 2019	24/2021 201941050694 11 th June, 2021
FACULTY				
1.	Dr.S.Pratima Kumari	Long-Lasting Solid-State Batteries For Future Electric Vehicle System	20 th July, 2021	34/2021 202111032644 28 th August 2021
2.	Dr.V.Nagalakshmi	A novel method for nano-carbon energy-storage material with specific high energy	22 nd August, 2021	39/2021 202141037976 24 th September 2021
3.	Dr.V.Nagalakshmi	Sustainable and Effective Treatment Technology for Removing Organic Pollutants in Wastewater Treatment using Nanobubbles	4 th September , 2021	39/2021 202141040195 24 th September 2021
4.	Dr.C.A.Jyothirmayee and Dr.K.Sree Latha	Nanoparticles for Producing Ceramic Heat Shield and Seal	3 rd October, 2021	42/2021 202141044814 15 th October 2021
5.	Dr.K.S.V.K.S.Madhavi Rani	A System for Medicinal Plants Culturing	9 th October, 2021	43/2021 202141046106 22 th October 2021
6.	Dr.R.Indira	A novel medicinal energy beverage composition and preparation method thereof	25 th September , 2021	45/2021 202141043589 5 th November 2021
7.	Dr.S.Pratima Kumari	A novel process for preparing Tropical heat resistant aerogel based on nanotechnology	23 rd October, 2021	45/2021 202141048430 5 th November 2021
8.	Dr.K.Swarna Latha	Three-Dimensional Nanoparticulate Drug Delivery Guidance System and Method Thereof	12 th November , 2021	48/2021 202141051870 26 th November

				2021
9.	Dr.B.B.R.G.Vijayalakshmi	Nanomaterials composition for the biochemical treatment of wastewater and preparation method thereof	6 th December, 2021	50/2021 202141056435 10 th December 2021
10.	Dr.P.Jyothi Kumari	Green Biocatalytic Synthesis of Nanoscale Materials for Sensoristic and Biomedical Applications	24 th December, 2021	53/2021 202111060718 31 th December 2021
11.	Dr.K.Sreelatha	Cultivating functional crops using nano organic composition and method thereof	10 th January, 2022	05/2022 202241001185 04 th February 2022
12.	Dr.V.Nagalakshmi	Metal complexes and composition with novel Synthesis, Characterization, and Properties of Binuclear Gold(I) Phosphine Alkynyl Complexes	12 th January, 2022	05/2022 202241001883 04 th February 2022
13.	Dr.K.Showrilu	A Spine-Safe Universal Luggage Carrying System for Backpacks	24 th January, 2022	06/2022 202241003852 11 th February 2022
14.	Dr.A.Nirmala Jyothsna	A nanomaterial composition having magnetic properties'	6 th February, 2022	06/2022 202241003852 11 th February 2022
15.	Dr.K.Swarnalatha	Method for the Synthesis of Mixed Metal Nanoscale Composites Using Low Cost Precursors	22 nd January, 2022	07/2022 202221003745 18 th February 2022
16..	Dr.M.Padmaja	Machine Learning based Approach to Scrutinized the Need for Booster Dose of COVID-19	24 th January, 2022	05/2022 4 th February, 2022
17.	Dr.M.Padmaja	An IOT Based Health Monitoring System to Facilitate Treatment During Pandemic	1 st February, 2022	06/2022 11 th February, 2022
18.	Dr.S.Pratima Kumari	A Smart Robot To Manage And Monitor Covid 19 Positive Patients	23/02/2022	09/2022 04/03/2022

LIST OF COLLEGE/FACULTY PATENTS 2020-21

S.NO	NAME OF THE FACULTY	TITLE	PATENT APPLIED	PATENT PUBLISHED
COLLEGE				
1.	Dr.Sr.Showrilu	A Rechargeable composite carbon allotropic material implemented with vanadium boride for corrosion prevention and high cell voltage	6 th December, 2019	37/2020 201941050475 11 th September, 2020
FACULTY				
1	Dr.R.Indira, Dr.K.S.V.K.S.Madhavi Rani Dr.B.B.R.G.Vijaya Lakshmi	A Novel phenotypic antimicrobial resistance testing using cost effective integrated biochip	26 th August, 2020	19/2020 202031036654 18 th September 2020
2	Dr.C.A.Jyothirmayee, Dr.M.Rama, Dr.V.Nagalakshmi and Dr.N.Gayatri Devi	A Novel smart carbonless cooking gasifier	on 12th October, 2020	49/2020 202031044344 4 th December, 2020
3	Dr.A.Nirmala Jyothsna and Dr.K.Sree Latha published	A Novel smart electro mechanical standing ventilator for intensive care unit	19th October, 2020	49/2020 202031045420 4 th December, 2020
4	Dr.V.Nagalakshmi	Application of marine based minerals as food supplements	1 st December, 2020	50/2020 202041052199 11 th December, 2020
5	Dr.V.Nagalakshmi and Dr.S.Pratima Kumari	Eclipta Alba Based Composition for Haemorrhoids and Its Preparation Method Thereof	1 st February, 2021	06/2021 202141004378 6 th February 2021
6	Dr.Sr.K.Showrilu	Solar power assisted ventilated face mask with y bone separator	1 st April, 2021	
7	Dr.V.Nagalakshmi and Dr.S.Pratima Kumari	Artificial Intelligence based animal detection and identification for protection of field crops	21 st April, 2021	18/2021 202141018335 30 th April 2021