



## LIST OF PATENTS

S.No	Name Of The Faculty	Title	Patent Applied	Patent Published
1.	Dr.Sr.Showrilu	A Rechargeable composite carbon allotropic material implemented with vanadium boride for corrosion prevention and high cell voltage	6 <sup>th</sup> December, 2019	37/2020 11 <sup>th</sup> September, 2020
2.	Dr.Sr.Showrilu	Synthesis of D-tartatic acid from L- tartaric acid using shock waves	9 <sup>th</sup> December, 2019	24/2021 11 <sup>th</sup> June, 2021
3.	Dr.R.Indira, Dr.K.S.V.K.S.Madhavi Rani and Dr.B.B.R.G.Vijaya Lakshmi	A Novel phenotypic antimicrobial resistance testing using cost effective integrated biochip	26 <sup>th</sup> August, 2020	19/2020 18 <sup>th</sup> September 2020
4	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 4 <sup>th</sup> December, 2020
5.	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 4 <sup>th</sup> December, 2020
6.	Dr.V.Nagalakshmi	Application of marine based minerals as food supplements	1 <sup>st</sup> December, 2020	50/2020 11 <sup>th</sup> December, 2020
7.	Dr.V.Nagalakshmi and Dr.S.Pratima Kumari	Eclipta Alba Based Composition for Haemorrhoids and Its Preparation Method Thereof	1 <sup>st</sup> February, 2021	06/2021 6 <sup>th</sup> February 2021
8.	Dr.Sr.K.Showrilu	Solar power assisted ventilated face mask with y bone separator	1 <sup>st</sup> April, 2021	
9.	Dr.V.Nagalakshmi and Dr.S.Pratima Kumari	Artificial Intelligence based animal detection and identification for protection of field crops	21 <sup>st</sup> April, 2021	18/2021 30 <sup>th</sup> April 2021
10	Dr.S.Pratima Kumari	Long-Lasting Solid-State Batteries For Future Electric Vehicle System	20 <sup>th</sup> July, 2021	34/2021 28 <sup>th</sup> August 2021
11.	Dr.V.Nagalakshmi	A novel method for nano-carbon energy-storage material with specific high energy	22 <sup>nd</sup> August, 2021	39/2021 24 <sup>th</sup> September 2021
12.	Dr.V.Nagalakshmi	Sustainable and Effective Treatment Technology for Removing Organic Pollutants in Wastewater Treatment using Nanobubbles	4 <sup>th</sup> September, 2021	39/2021 24 <sup>th</sup> September 2021





# CH.S.D.ST.THERESA'S COLLEGE FOR WOMEN (A), ELURU

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S.No	Name Of The Faculty	Title	Patent Applied	Patent Published
13.	Dr.C.A.Jyothirmayee and Dr.K.Sree Latha	Nanoparticles for Producing Ceramic Heat Shield and Seal	3 <sup>rd</sup> October, 2021	42/2021 15 <sup>th</sup> October 2021
14.	Dr.K.S.V.K.S.Madhavi Rani	A System for Medicinal Plants Culturing	9 <sup>th</sup> October, 2021	43/2021 22 <sup>th</sup> October 2021
15.	Dr.R.Indira	A novel medicinal energy beverage composition and preparation method thereof	25 <sup>th</sup> September, 2021	45/2021 5 <sup>th</sup> November 2021
16.	Dr.S.Pratima Kumari	A novel process for preparing Tropical heat resistant aerogel based on nanotechnology	23 <sup>rd</sup> October, 2021	45/2021 5 <sup>th</sup> November 2021
17.	Dr.K.Swarna Latha	Three-Dimensional Nanoparticulate Drug Delivery Guidance System and Method Thereof	12 <sup>th</sup> November, 2021	48/2021 26 <sup>th</sup> November 2021
18.	Dr.B.B.R.G.Vijayalakshmi	Nanomaterials composition for the biochemical treatment of wastewater and preparation method thereof	6 <sup>th</sup> December, 2021	50/2021 10 <sup>th</sup> December 2021
19.	Dr.P.Jyothi Kumari	Green Biocatalytic Synthesis of Nanoscale Materials for Sensoristic and Biomedical Applications	24 <sup>th</sup> December, 2021	53/2021 31 <sup>st</sup> December 2021
20.	Dr.K.Sreelatha	Cultivating functional crops using nano organic composition and method thereof	10 <sup>th</sup> January, 2022	05/2022 04 <sup>th</sup> February 2022
21.	Dr.V.Nagalakshmi	Metal complexes and composition with novel Synthesis, Characterization, and Properties of Binuclear Gold(I) Phosphine Alkynyl Complexes	12 <sup>th</sup> January, 2022	05/2022 04 <sup>th</sup> February 2022
22.	Dr.K.Showrilu	A Spine-Safe Universal Luggage Carrying System for Backpacks	24 <sup>th</sup> January, 2022	06/2022 11 <sup>th</sup> February 2022
23.	Dr.A.Nirmala Jyothsna	A nanomaterial composition having magnetic properties'	6 <sup>th</sup> February, 2022	06/2022 11 <sup>th</sup> February 2022
24.	Dr.K.Swarna Latha	Method for the Synthesis of Mixed Metal Nanoscale Composites Using Low Cost Precursors	22 <sup>nd</sup> January, 2022	07/2022 18 <sup>th</sup> February 2022
25.	Dr.M.Padmaja	Machine Learning based Approach to Scrutinized the Need for Booster Dose of COVID-19	24 <sup>th</sup> January, 2022	05/2022 4 <sup>th</sup> February, 2022
26.	Dr.M.Padmaja	An IOT Based Health Monitoring System to Facilitate Treatment During Pandemic	1 <sup>st</sup> February, 2022	06/2022 11 <sup>th</sup> February, 2022

