

D.K.M. COLLEGE FOR WOMEN(AUTONOMOUS), VELLORE-1

Number of Patents published.

S.No	Name of the Faculty	Name of the Patent published/awarded	Patent Number	Year of Award
1.	Dr. Rekha Vijayakumar, K. Netha, Dr. Gomathi Thandapani, Dr. Vinothini Chandran	High-Purity Collagen from Hammerhead Shark Skin for Diabetic Wound Care	Indian Patent, Application No. 202541010917 A	2025
2.	Dr. V. Sugantha Kumari, Dr. S. Khaleel Basha, Dr. D. Switha, Dr. T. Nalini, Dr. J. Annie Kamala Florence, Dr. G. Abi Beulah, Dr. A. Shanmugapriya, Dr. T. Anitha, Dr. N. V. Lakshmi.	Mucilage from Hibiscus cannabinus as a biocoagulant in contaminated lake water	Indian Patent- Published 202541004895	2025
3.	Mrs. G.Vinu Priya	A design to CALCULATOR, Government of India	422573-001	2024
4.	Mrs. G.Vinu Priya	Quantum Computing based methods for solving NP hard problems in Mathematics and Computer Science, Intellectual property, India	202441095761	2024
5.	Dr.C.Vinothini Dr.T.Gomathi Dr.V.Rekha	Shoe pad for wound treatment	Indian Patent,419358- 001,Design	2024

6.	Dr. Rekha Vijayakumar, Dr. Gomathi Thandapani, Dr. Vinothini Chandran, Dr. Santha Lakshmi S., Dr. Lavanya R.	Aquaponic Fish Keeping Device	Design No. 6398995 (UK)	2024
7.	Dr. P.N. Sudha, P. Supriya Prasad, T. Gomathi	Synthesis and Characterization of Chitosan Schiff Base (CSB) and Its Polyethylene Glycol (PEG) Blend	Indian Patent, Application No. 202341059097	2024
8.	Dr. P. Pazhanisamy, T. Gomathi, E. Kayalvizhy, B. Uma	Synthesis of Functionalized Activated Carbon Adsorbent and Its Dye Adsorption Capacity	Indian Patent, Application No. 202341089304 A	2024
9.	Dr. T. Gomathi, Mrs. R. Sasirekha, Mrs. S. Revathi	Bioactive Glass from the Bio-Wastes	Indian Patent, Application No. 202341059096 A	2024
10.	Dr. P. Pazhanisamy, T. Gomathi, E. Kayalvizhy	Ulva Algae Extract: Probing Lamotrigine Drug, Cytotoxicity, and Bio-Capped Fe ₃ O ₄ Nanoparticle Synthesis	Indian Patent, Application No. 202341065460 A	2024
11.	Dr. T. Gomathi, Mrs. R. Sasirekha, Mrs. S. Revathi	Hydroxyapatite from Marine Wastes	Indian Patent, Application No. 202341079869 A	2023
12.	Dr. P. Pazhanisamy, T. Gomathi, B. Uma	Glaufenin Drug Identification, Cytotoxicity	Indian Patent, Application No.	2023

		Analysis, and Biofunctionalized Fe ₃ O ₄ Nanoparticle Synthesis	202341075083 A	
13.	Dr. T. Gomathi	In Silico Molecular Designing and Docking Studies of Lenalidomide Derivatives	Indian Patent, Application No. 202341040736 A	2023
14.	Dr.S.Asha, K. Logeshwari, Dr.P.Thirunavukkarasu , Dr.U.Kanagavalli.	Bioactive nanocomposite bandage for self healing antimicrobial bandage	Indian Patent-Published 202341048533	2023
15.	Dr. J. Hemapriya	“Prediction and structure of novel Protein from the bacillus Aquamaris (mp – 1) nucleotide Sequence based on machine learning Algorithms”	Indian Patent-Published 202341002528 A	2023
16.	Dr. A. Vidhya & Mrs. S. Arunadevi	Antimicrobial activity of germicidal solution from verdant extract using microbial species	Indian Patent-Published 202341019855 A	2023
17.	Mrs. G. Sangeethalakshmi, Mrs. R. Bhuvaneshwari, S.Kalaiselvi	Hybrid Cloud Infrastructure For Secured Big Data Application	Indian Patent-CBR Patent Number 20231002150	2023

18.	Mrs. G. Sangeethalakshmi,	A Novel Hybrid Architecture For Malware Detection In Android Devices	Indian Patent-CBR Patent Number.202341002323	2023
19.	Dr. J. Hemapriya	“Production of bactetioruberin Pigment from Salinicoccus salsirajae (mp – 4): A moderate halophilic bacterial Species isolated from solar salterns and determination of their optimal Condition using response surface Methodology”	Indian Patent-Published 202241058758 A	2022 October
20.	Mrs. B. Arulmozhi	IOT With Artificial Intelligence based Data Authentication from End to End to Cyber security of Configuration Using Deep Learning Techniques	Indian Patent-CBR Patent Number. 202241023086	Published on 19th April 2022.
21.	Mrs. S. Shanthy,	The maximum capacity estimation model for smart apartment management using wireless sensor network	Indian Patent-CBR Patent Number. 202241034936	2022.
22.	Mrs. G.	Artificial Intelligent	Indian Patent-CBR	2022

	Sangeethalakshmi, Mrs. R. Bhuvaneswari,	and IOT Based Smart House for Activity Recognition of old age people	Patent Number. 202241039407	
23.	Mrs. G. Sangeethalakshmi, Mrs. R. Bhuvaneswari, Mrs. S.Kalaiselvi, Mrs. R. Nandhini,	An Authentication System for IOT using Block Chain Based Architecture	Indian Patent-CBR Patent Number. 202241053860	2022.
24.	Mrs. G. Sangeethalakshmi,	Iot Based Energy Efficient Mac Protocol For Leo Satellite Constellations	Indian Patent-CBR Patent Number. 202241053859	2022
25	Dr. R.Hamsaveni, Mrs. S.Kalaiselvi, Dr. S. Tharani, Mrs. V.S. Saranya,	Lightweight ontology-Based intrusion detection and prevention (IDPS) System	Indian Patent-CBR Patent Number. 61557	2021
26	Dr. M. Vasumathy	Knowledge Based Shape Classification of Aspired Foreign Body on Pediatric Radiographic Images	Indian Patent-CBR Patent Number.8356	2020