



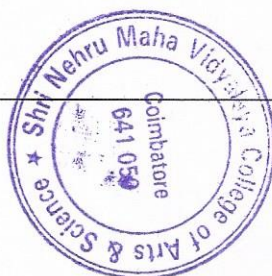
# SHRI NEHRU MAHA VIDYALAYA COLLEGE OF ARTS AND SCIENCE (SNMV)

(Affiliated to Bharathiar University, Coimbatore, Re-accredited with "A+" Grade by NAAC)  
Shri Gambhirmal Bafna Nagar, Malumachampatti, Coimbatore - 641 050. Tamil Nadu, India.



## NUMBER OF RESEARCH PAPERS PUBLISHED IN JOURNALS (2021 – 2022)

S. No.	Title of the Article	Name of the Journal	Year of Publication	ISSN Number
1.	Medical Image Segmentation Using Deep learning with Faster RNN and U-NET Architectures	Anvesak	2021	0378-4568
2.	Prediction of Heart Diseases Using Naive Bayes Algorithm	Wesleyan Journal of Research	2021	0975-1386
3.	Reduction of Heavy Metals in Steel Industrial Effluent by Bacillus subtilis Bacteria	International Journal of Scientific Research and Reviews	2021	2279-0543
4.	Agent Satisfaction in Life Insurance	Anvesak	2021	0378-4568
5.	An Improved Grey Wolf Optimization Algorithm (iGWO) for the Detection of Diabetic Retinopathy Using Convnets and Region based Segmentation Techniques	International Journal of Health Sciences	2021	1658-3639
6.	Buying Behaviour of Consumers in Organized Retail Outlets	Mukt Shabd Journal	2021	2347-3150
7.	Review on Algal biopolymer - A Combat to Petroleum-Based Plastics	Devagiri Journal of Science	2021	2454-2091
8.	Animal Studies on Venom Neutralization potential of Metal-Herbal (Copper-Leucas zeylanica) Nanocomposites (MHNC) Against <i>Naja naja</i> and <i>Bungarus Caeruleus</i> Venoms	Journal of University of Shanghai for Science and Technology	2021	1007-6735
9.	Dynamic neutrosophic cognitive map with improved cuckoo search algorithm (DNCM-ICSA) and ensemble classifier for rheumatoid arthritis (RA) disease	Journal of King Saud University – Computer and Information Sciences	2021	1319-1578
10.	Performance of New Generation Private Sector Banks In India	Journal of the Oriental Institute	2022	0030-5324
11.	A Dualistic Approach to Investigate the Remedial Potential and Edible Property of <i>Pleurotus ostreatus</i> on Hydrocarbon-Contaminated Soil	Journal of Applied Biology & Biotechnology	2022	(P): 2455-7005 (E): 2347-212X
12.	In-Vitro and In-Vivo Neutralizing Potential of <i>Rauvolfia Serpentina</i> Root Extract Against <i>Bungarus Caeruleus</i> Venom	International Journal of Pharmaceutical Sciences and Research	2022	(P): 2320-5148 (E): 0975-8232
13.	A Study on Herbal Face Pack Antibacterial Activity against Skin Infections and Formulation for Safety Usage	European Journal of Biotechnology and Bioscience	2022	2321-9122
14.	Job Satisfaction of Employees in Manufacturing Industry	Infokara Research	2022	1021-9056
15.	An Analysis on Motivation of Employees with Respect to Employee Empowerment in Hotel Industry	Journal of Management and Entrepreneurship	2022	2229-5348



## NUMBER OF PATENTS GRANTED (2021 – 2022)

### Total Patents Granted: 7

S. No.	Name	TITLE OF INVENTION	Publication Date	COUNTRY
1	Dr. S. Meenatchisundaram Department of Microbiology	An Intelligent Storage System for Food Items	18/08/2021	Australia

### DESIGN PATENT GRANTED

S. No.	Name	TITLE OF INVENTION	Publication Date	Design Number
1	Fg. Offr. T. Purushothaman Department of Biotechnology  M. B. Kavitha Department of Microbiology	Nanotechnology Based Antimicrobial Bandage Dispensing Instrument	31/12/2021	353516-001
2	Dr. G. Gabriel Prabhu Department of Commerce	Stock Market Indication Writing Instruments	17/12/2021	351754-001
3		Wall Clock to Monitor Talent and Punctuality of Employees	14/01/2022	353050-001
4		Point of Origin Store and Method of Selling Merchandise on a Point of Origin Basis	14/01/2022	352784-001
5		A Smart Vest to Detect Fluid in Lungs using Biosensors	25/02/2022	355563-001
6		Teachers' Emotions	11/02/2022	353921-001





**NUMBER OF PAPERS PUBLISHED IN NATIONAL CONFERENCES - (2021 – 2022)**

S. No.	Name of the Teacher	Title of the Paper	Title of the Proceedings of the Conference	ISBN Number of the Proceedings
1.	P. S. Vijayalakshmi	Deep learning algorithms for medical big data analysis- A Study	Research Practices of Cutting Edge Technologies in Computing	978-93-91977-06-1
2.	P. Karthi	Smart Integrating Digital Contact Tracting with IoMT for Covid-19 Using Genetic Algorithms	Confrence Preceedings of National Conference on Application of Intelligent Robotic Process Automation	9-788195-368150

**NUMBER OF PAPERS PUBLISHED IN INTERNATIONAL CONFERENCES  
(2021 – 2022)**

S. No.	Name of the Teacher	Title of the Paper	Title of the Proceedings of the Conference	ISBN Number of the Proceedings
1.	R. Nandha Kumar	“An Efficient Data Security Maintenance over Wireless Sensor Network Communication Environment using Modified Neuro Cipher Policy”	International Conference on Emerging Trends in Science and Technology (ETIST 2021)	978-81-953602-9-1
2.	Dr. M. Jayakumar P. S. Vijayalakshmi	Deep Convolutional UNET using Biomedical Image Segmentation for Diagnosis of Diabetic Retinopathy with Optimized Hybrid Duck Traveller and Fruit Fly (hDTFFA) Algorithm	International Conference on Emerging Trends in Science and Technology (ETIST 2021)	978-81-953467-0-7



**NUMBER OF BOOKS AUTHORED - 2021 – 2022**

S.No.	Name of the Teacher	Title of the Book / Chapters Published	Title of the Paper	ISBN NUMBER
1.	Dr. D. Arunkumar	Role of Nutrients in Neurological Disorders	"Impact of diet on neurotransmitters"	978-9811681578

**NUMBER OF NEW EXTERNALLY FUNDED RESEARCH PROJECTS RECEIVED  
(2021 - 2022)**

S.No.	Name of the Principal Investigator	Title of the Project	Name of the Funding Agency	Amount (Rs)
1.	Dr. R. Bhagyaraj	Bioethanolic Herbal Disinfectant Production from Food and Agricultural Waste	Tamil Nadu State Council for Science & Technology, Chennai	7500
2.	Mrs. P. Radha	The Production of Bioedible Plastic by using Irish Moss ( <i>Chondrus crispus</i> )	Tamil Nadu State Council for Science & Technology, Chennai	7500
3.	Fg. Offr. T. Purushothaman	Formulation and Evaluation of <i>Boerhavia diffusa</i> Herbal Syrup against Chronic Kidney Disease	Tamil Nadu State Council for Science & Technology, Chennai	7500
<b>TOTAL</b>				<b>22500</b>



### FUNDS RECEIVED DURING THIS ACADEMIC YEAR (2021 - 2022)

S.No.	Name of the Principal Investigator	Title of the Project	Name of the Funding Agency	Amount (Rs)
1.	Dr. R. Bhakayaraj	Bioethanolic Herbal Disinfectant Production from Food and Agricultural Waste	Tamil Nadu State Council for Science & Technology, Chennai	7500
2.	Mrs. P. Radha	The Production of Bioedible Plastic by using Irish Moss ( <i>Chondrus crispus</i> )	Tamil Nadu State Council for Science & Technology, Chennai	7500
3.	Fg. Offr. T. Purushothaman	Formulation and Evaluation of <i>Boerhavia diffusa</i> Herbal Syrup against Chronic Kidney Disease	Tamil Nadu State Council for Science & Technology, Chennai	7500
<b>TOTAL</b>				<b>22500</b>



**PRINCIPAL**  
**SHRI NEHRU MAHA VIDYALAY,**  
**COLLEGE OF ARTS & SCIENCE**  
**SHRI GAMBHIRMAL BAFNA NAGAR,**  
**MALUMACHAMPATTI, COIMBATORE - 641 050**