



NEHRU MEMORIAL COLLEGE

(Autonomous)

Nationally Accredited with 'A' Grade by NAAC

Puthanampatti - 621007, Trichy District, Tamilnadu, South India.

(Affiliated to Bharathidasan University and recognized by UGC under section 2(f) & 12B of the UGC Act 1956)



RESEARCH GUIDES

S. No.	Name of the Research Supervisor	Designation	Department	Completed	Name of the scholar	Year of registration of the scholar	Title of the thesis for scholar	Year of award of Ph.D
1	Dr. T. Porselvi	Associate Professor	Economics	5	R. Geetha		Inclusive Growth Through the Tribal Development Programmes A Study in Pachamalai Hills of Tamilnadu	2015
					P. Devimariyammal	2013	An economic analysis of Grapes Production and Marketing in Dindugal District of Tamilnadu	2019
					I. Latha	2013	A Study on Wholesale Market in Dindugal District of Tamilnadu	2019
					V. Shanthi	2014	A Study on the Bovine Economy in Pudukkottai District of Tamilnadu	2020
					S. Kalaivani	2014	An Economic Study on the Problems and Prospects of small Scale Industries in Dindugal District of Tamilnadu	2020
					N. Thilagavathi	2017	An Economic Analysis of Work Life Balance of Women Professionals in Tiruchirapalli District Tamilnadu	

2	Dr. K. Karunakaran	Assistant Professor	Economics	1	S.Suguna	2014	A Study of the Changing Cropping patter at Pachamalai Tribal Area, Tirchirappalli District, Tamilnadu	
					R.Mohana		A Study on role and Performance of Primary Agricultural Cooperative Credit Society in Pudukkottai District, Tamilnadu	2020
					P.Arumugam	2017	Role and Perfomance of State and Non-State Institutions in Generating Employment and Income for the Rural Communities in Tiruchirapalli District, Tamilnadu.	
3	Dr. K.T. Tamilmani	Associate Professor	English	-	R. Lakshmi	2019	Canadian Literature - Post Modern Fiction	
					R. Nagalakshmi	2019	An Intertextual Reading of the select short stories of Joyco Carol Oates	
					A. Susai Devanasan	2019	A Study on Humanistic Perceptions in the select Novels of Walker Percy	
4	Dr. S. Rajendran	Associate Professor	Tamil	-	P. Vanitha	2017	Tamil Elakiya Ethalgalil Sirukathaigal	
					B. Chozhan	2017	Naveena Kavigargal Parvaiyel Marabilakiyam	
					N. R. Sakthivel	2018	Naveena Tamil Kavithaigal	
					P. Vasuhi	2019	Tamil Sirukathaigal	
5	Dr. K. Geetha	Assistant Professor	Tamil	-	-	-	-	-
6	Dr. V. R. Vijayalakshmi	Assistant Professor	Tamil	-	-	-	-	-
7	Dr. M. Mary Anbumathi	Assistant Professor	Commerce	-	M.Shuhaib	2019	A Study in the impact of tourism Development on the economic life of the people	
					D. Velumani	2019	Foreign Direct Investment (FDI) and its Impact on Indian Economy	

8	Dr. T. Gayathri	Assistant Professor	Commerce	-	S. Dhanaselvi	2015	A Study on Marketing of Poultry products in Namakkal District- Tamilnadu	
					C. Muthuraj	2015	Comparative Study on E-Banking between Nationalized and Private Sector Banks in Dindigul District	
					D.Rajkumar	2016	Examining on Technical Automation in Textiles industries at Tirupur	
					S. Preethi	2019	A Study on Consumer products search and purchasing Behaviour in Social Shopping Communities in Chennai	
9	Dr. C.Sasikumar	Associate Professor	Botany	6	Mr.S. Sriram	2010	Therapeutic effect of <i>Barleria montana</i> Wight & Nees leaf extract on inflammation and ulcer in albino wister rats .	2014
					Mrs. V. Meena	2011	Scientific validation and evaluation of Hepatoprotective potential of leaf extract of <i>Hiptage benghalensis</i> (L.)Kurz.	2014
					Mrs. J. Kavitha Srilakshmi	2010	Pharmacognostic standardization, Anti-inflammatory and Anti- ulcer evaluation of Leaf extract of <i>Veronia arborea</i> Buch-Ham.	2014
					Mr. V. Guruchandran	2011	<i>In vitro</i> organogenesis and genetic diversity studies of <i>Stevia rebaudiana</i> Bert.	2014
					Mr. N. Subash	2012	Studies on bioremediation of polycyclic aromatic hydrocarbons with reference to ligninolytic potential of selected fungi and bacteria.	2016
					R.Shalini	2014	Biodegradation of Low Density Polyethylene (LDPE) materials using selected bacterial fungal isolates from municipal wastes of Tiruchirappalli district	2020

10	Dr.M.Meenashisundaram	Assistant Professor	Biotechnology	2	M.Pramila	2014	Quorum quenching in pathogenic organism by using green biosynthesis of Nanoparticles	2020
					R. Rameswari	2013	<i>In vitro</i> studies on Isolation screening and Production of Polyhydroxy Butyrate using Bio effluents as substrate	2020
11	Dr. A. Sekar	Associate Professor	Chemistry	1	K. Palanisamy	2014	The Inhibition of corrosion of carbon steel by some Heterocyclic compound Derivative in aqueous medium	
					M. Mhonraja	2014	Biomimic system for activation of Oxygen Molecule with the enzyme Peroxidase	2020
					F. Paularokiadoss	2014	Quantum Chemical Investigations on Reaction Mechanism	
					Mr.P. Rajivgandhi	2018	Synthesis and Characterization of heteroatom doped Porous carbon for Super capacitor application	
					P. Jothimurugan	2018	Green Synthesis and Characterization of Zinc oxide Nanoparticles from Medicinal Plants	
12	Dr. D. VijiSara Elizabeth	Associate Professor	Chemistry	2	S.Arumugam	2012	Isolation, Characterization and Biological Acitivity of Medicinally Important Plants	2018
					P. Ramachandran	2012	Evaluation of Phytochemical potential of selected Medicinal Plants in India	2018
					R. Shanmuga Priya	2017	Phytochemical, pharmacological Studies and Biological Assays of Drug Lead Compounds of Selected Medicinal Plants in India	

					J. Shoba	2017	Analysis of selected Indian Medical plants as Antioxidants with Therapeutic Potential and Physiological Effects Related to Free Radical Damage	
13	Dr. M. Umadevi	Assistant Professor	Chemistry	-	A.Mumthaj	2019	Synthesis of Chalcone Derivatives for Chemosensors / Biosensors'	
					N. Shanthi	2017	Synthesis, Characterization and Applications of Mixed Metal Oxide Nano Structures	
					A. Nihath Naleen	2017	Synthesis, Structure, Invitro DNA Binding properties of Transition Metal Complexes	
					S. Bhuvaneswari	2017	'Synthesis and Structural Studies of Chemotherapeutic Agents Based on Transition Metal Complexes'	
14	Dr. M. Ramesh	Assistant Professor	Chemistry	-	K. Govindharajan	2018	Studies on Coordination Chemistry of Mannich Bases Derived From 8-Hydroxyquinoline	
					S. Anbukarasi	2018	Metal Complexes of New Mannich Bases Derived from Phthalimide And Succinimide	
15	Dr.A.Idhayadhulla	Assistant Professor	Chemistry	-	C. Sathiskumar	2017	Benzopyran core Design and synthesis of some novel analogues and their evaluation of biological activities	
					S. Keerthana	2017	Synthesis and biological screening of some novel Anthraquinone analogs	
					D. Arockiasamy	2017	Design, synthesis, and bioactive evaluation of novel fused pyrazolo-pyrimidine and pyrazolo-pyrazole heterocyclic derivatives	

					M. Arunadevi	2019	Metal oxide catalysis mediate synthesis of naphthofuran, benzofuran core natural products and their screening various biological activities	
16	Dr. R. Surendrakumar	Assistant Professor	Chemistry	-	P. Gobinath	2017	Development of new methodologies for synthesis of bioactive bicyclic hetero molecules	
					P. Packialakshmi	2018	Novel curcumin based heterocyclic derivatives; Design and biological evaluation via Green chemistry approach	
					Mr.S.Neelakandan	2018	Synthesis of novel quinolone derivatives and their pharmacological applications	
17	Dr. A. R. Ponperiasamy	Associate Professor	Computer Science	2	Tmt.D.Nalini	2013	Artificial Neural Methods for the Detection of Heart Disease and Storke using Data Mining	2018
					K.Arutchelvan	2013	Cancer Prediction using Datamining Techniques	2018
					GAYATHRI V	2016	Comparision of Health Care Data Mining Techniques	
					CHANDAMONA M	2016	Data Mining Models for prediction of liver Disorder	
					Narayanan G	2015	Web resources development using ontologies	
					PADMANAYAKI S	2016	Data Minig Techniques for High yield prediction in Data Palm	
					THENMOZHI E	2016	Data Mining approach to simulate farmers	
					MOHAN S	2017	Diagnosis of skin diseases using data mining techniques	
					MISBAHULHUDA A	2016	Software flaw prediction system using data mining	
Vijayasree V	2013	Intelligent customer relationship manafement						

							system using Data Mining Techniques	
					Rajalakshmi R	2013	Mobile Network Development Using Software Radio Technology	
					Veeramuthu P	2013	Analysis of Higher Education system using Datamining Techniques	
					Shamrila Devi P	2014	Data Mining Techniques for Agriculture Developments	
18	Dr.S. Murugan	Associate Professor	Computer Science	2	V. Priya	2016	Analysis of frequent Itemset mining in transactional database for enhancing the performance Patterns	
					G. Gunasekaran	2016	IMPROVE THE EFFICIENCY OF ASSOCIATION RULE MINING ALGORITHM USING FP-TREE AND FP-GROWTH APPROACH	
					P. Sumathi	2017	CONSTRUCTUNG EFFICIENTH FREQUENT PATTERN MINING ALGORITHMS FOR ASSOCIATION RULE MINING	
					S. Josephine	2017	DIAGNOSING BRAIN TUMOR USING MINING ALGORITHMS AND IMAGE PROCESSING TECHNIQUES	2020
					S. Padhmapriya	2017	AN ANALYSIS OF WEB LEARNING SYSTEM FOR AUTISM STUDENTS WITH DEPLOYMENT OF DATA MINING TECHNIQUES	
					R. Karthika	2017	DETECT AND LOCALIZE THE TEXT USING HYBRID APPROACH IN DATA MINING	
					I. Eswari	2017	RESOURCE UTILIZATION FACTOR BASED ON ENERGY SAVING IN GREEN CLOUD COMPUTING	

					R. Vasumathi	2018	ENHANCING SECURITY AND PRIVACY OF THE DATA USING ASSOCIATION RULE MINING ALGORITHMS	2020
19	Dr. K. Mani	Associate Professor	Computer Science	7	A.Mullai	2014	A Study on Security issues in Mobile Computing Applications	
					R.Mohana Krishnan	2014	Optimizing the Virtualization in Cloud Computing Environments	2020
					N.Elavarasan	2014	Enhanced Feature Extraction Algorithms to Improve the Classification Accuracy	2020
					P.Kalpana	2014	An Analysis of filter-based feature subset selection algorithms for classification	2019
					M.Viswambari	2015	Increasing the Operational Speed and Enhancing the Security in Cryptographic Algorithms	2018
					A.Devi	2015	Efficient Encoding And Key Generation Techniques To Enhance The Security Of Compressed Cryptosystems	2019
					R.Mahendran	2015	An Integrated Approach For Enhancing The Data Security Using Coding Theory And Cryptography	2019
					R. Akila	2015	Performance Evaluation of Association Rule and Classification Techniques	
					S. Prasanth Sivasubramanian	2018	Efficient Service Discovery Mechanism in Mobile AD-HOC Networks using Clustering	
					A. Barakath Begam	2018	An Analysis of Cryptographic and Steganographic Techniques	2021
20	Dr. V. Saavithiri	Assistant Professor	Mathematics	1	R.Poornima	2010	Mathematical models using Lehmann type Laplace distributions	2014

					G.Shyamala	2010	A Study on Compound Co-Poisson processes	
					J.Priyadharshini	2016	A Study on compand Com-Poisson Distribution and its applications	2020
					S.Thilagarathinam	2016	A Study on Com-Poisson Neyman type a Distribution and its applications	
21	Dr. J. Geetha	Assistant Professor	Mathematics	-	-	-	-	-
22	Dr.V.Mohanaselvi	Assistant Professor	Mathematics	4	M. Suresh	2015	A Study on Detour radial graphs, b-radial graphs and detour b-radial graphs	2019
					K. Deiwakumari	2015	A Study on some (1,2) edge domination parameters in graphs	2019
					P. Kavitha	2015	A Study on some legendary domination parameters in graphs	2019
					V. Hemalatha	2015	A Study on some super and radio geometric mean	2019
					R. Udhayakumari	2016	A Study on one edge isolated domination in graphs	
					S. Nithya	2017	A Study on adjacency incidence and laplacian matrices of some Roman domination parameters in graphs.	
23	Dr. S. Kumararaman	Associate Professor	Physics	3	R.Tamil selvan	2013	High Pressure studies on the transport properties of few strongly correlated systems	2017
					T.Thila	2008	Studies on the growth and charterization of Glycine and thaiourea based non linear optical Crystal	2013
					S. Muruganantham	2014	Non- Linear Optical Crystal	
					P. Veeraragavan	2016	Growth and Characterization of Rare Earth Maganates and Charge Ordering Studies	2020

					T.S. Saraswathi	2017	Studies on Biologically important NLO Crystals	
24	Dr. A. Venkatesan	Associate Professor	Physics	2	R.Gopal	2010	Emergence of Collective Dynamical states In coupled Nonlinear Oscillators: Genesis and Chareterisation	2017
					P.R.Venkatesh	2010	Effect of external Perturbation on certain Nonlinear Dynamical System : Application controlling of Chaos and Implementation of Fundamental Logic gates	2017
					R. Kabilan	2010	Nonlinear Dynamics	
					M. Sathish Aravindh	2016	Strange nonchatotic attractors in nonlinear dynamical system : Genesis, characterization and applications	
					R. Kavitha	2016	Nonlinear dynamics	
					P. Ashokkumar	2016	Nonlinear dynamics	
					S. Deshaka	2018	Design and implementation of fundamental logic elements and memory device using nonlinear dynamical systems	
					R. Venkatesh	2018	Investigation of vibrational and ghost vibrational resonances in certain nonlinear system	
25	Dr. A. Rajendran	Associate Professor	Physics	2	T.Kavitha	2008	Sol-Gel Synthesis of TiO ₂ -SiO ₂ Nanocomposite and their Nanofluids for Heat Transfer Applications	2017
					S.Senthilkumar	2014	Plant-Mediated Green Biomimetic Synthesis Metal and Nonmetal Nanoparticles, charactrization,toxicity analysis for anti tumor cancer activity and its photo degradation Dyes	2019
					P. Rubalajyothi	2018	Preparation and Characterization of Nanosize Thermoluminescent Meterial	

							for Dose Verification in Medical Field	
26	Dr. P. Palaniyandi	Assistant Professor	Physics	-	-	-	-	-
27	Dr. V. Pandiyan	Assistant Professor	Physics	1	R. Rajalakshmi	2013	Thermodynamic and Acoustic Properties of Binary Mixtures of Arylamine with some Ethers at different Temperatures	
					A. Shakila	2013	A study on thermodynamics properties of certain organic binary liquid mixtures at different temperatures	2020
					P. Gnanmozhi	2014	Charge Density Distribution Studies of Some Organic and Semiorganic Compounds Via Quantum Chemical Calculations	
					R. Gerald Arockiaraj	2014	Densities and derived thermodynamic properties of heterocyclic compounds based Ionic Liquids(Ils) interaction with molecular solvents at different temperatures	
					S. Ravikumar	2016	Physicochemical and IR Studies of Binary Liquid Mixtures at Different Temperature	
					R. Raju	2016	Thermodynamic and Acoustical Properties of Binary Mixtures of Industrial Solvents at different Temperatures	
					K. Nithya devi	2017	Development Bio Degradable Polymer Plastics from Bio mass and Study its Physical Characterization	
28	Dr. K. Srinivasan	Assistant Professor	Physics	-	-	-	-	-
29	Dr. S. Balamurugan	Assistant Professor	Physics	-	-	-	-	-

30	Dr. P. Neelananarayanan	Associate Professor	Zoology	3	D. Selvamuthukumar	2009	Spatial and Temporal Distribution of Earthworms in Southern Thorn Forest of <i>Kolli</i> hill, a part of Eastern Ghats, Tamil Nadu, India.	2014
					J. Viji	2011	Efficacy of consortia of microbial inoculants for the pre-digestion of agro-wastes for Vermicomposting technology	2016
					T. Siva	2015	Population, Nest and Roost site characteristics and Prey composition Indian Eagle Owl <i>Bubo bengalensis</i> (FRANKLIN, 1831) in Tiruchirappalli District, Tamil Nadu, India	2021
					Mahendra M Manivaasan	2015	Management of Insect Pest and Diseases by using Organic inputs (Organic Farming)	
					G. Muthulakshmi	2017	Antimicrobial Activities of Some Medicinal Plants against chosen Fresh Water Fish Pathogens	
					A. Muthusamy	2020	Home Range and Habitat Use of Indian Eagle Owl <i>Bubo bengalensis</i> (FRANKLIN, 1831) – A Potential Predator of Rodent and Insect pest.	
31	Dr. K. Saravanan	Assistant Professor	Zoology	9	C. Renuka	2007	Effect of <i>Biophytum sensitivum</i> extracts in the treatment of experimental diabetic albino rats	2012
					S. Elavarasi	2010	Evaluation of Antidiabetic Potential of Traditionally Used Medicinal Plants, <i>Cyathea nilgiriensis</i> (Holtum) and <i>Pterocarpus marsupium</i> Roxb. In Streptozotocin (STZ) induced Diabetic Rat Model.	2016

					G. Priya	2010	Evaluation of reproductive inhibitory effect of <i>Abrus precatorius</i> L. and <i>Thespesia populnea</i> (L.) in albino rat (<i>Rattus norvegicus</i>) and a few selected rodent pests [<i>Mus booduga</i> (Gray) and <i>Bandicota bengalensis</i> (Gray)].	2017
					M. P. Santhi	2011	Isolation and identification of anticancer compounds from <i>Biophytum sensitivum</i> and their evaluation against liver (HEPG-2) and cervical (HELA) cancer cell lines.	2018
					G. Revathi	2013	Evaluation of antidiabetic activity of traditionally used polyherbal drug and drug loaded chitosan nanoparticles on STZ induced diabetic rat model.	2017
					G.Manjula	2014	Comparative Evaluation of Preservation Techniques on Physico chemical and nutritional qualities of chicken egg	2018
					P.Karuppannan	2014	Evaluation of antidiabetic activity of red carrper ventilago maderaspatana gaertn of streptozotocin induced diabetic albino rat rattus norvegicus	2018
					R. Arul Priya	2012	Phytochemistry and Anti-breast cancer activity of flavonoid rich plants against MCF-7 Cell lines under in vitro and in silico conditions.	2019
					B.Umarani	2014	Evaluation of anti-lung and anti-breast cancer activity of <i>Naravelia zeylanica</i> under in vitro, in vivo and in silico conditions	2021

					P.Premalatha	2015	Studies on genetic variability of Freshwater Mussels (Lamellidens sp.) in Different Habitats.	
32	Dr.V.Ramesh	Assistant Professor	Zoology	-	C. Kanimozhi	2016	Entamology-Taxonomy	
					P. Dhanapal	2018	Stuides on pest management teachniques in rice using data mining and wireless sensor network	
					M. Kathir Selvan	2018	Evaluation of vitex negundo L against major cotton pests	
33	Dr.N.Ramesh	Assistant Professor	Zoology	1	K. Kalaiselvan	2011	Population and Distribution of Indian Peafowl (PAVO Cristatus) in Trichy District, Tamilnadu, Southern India	2018
34	Dr. A. Boopathiraja	Assistant Professor	Zoology	-	P. Manikandan	2015	Medical Toxicology	
					D. Swarna Bharathi	2016	Evaluation of antioxodant, anti-inflammatory and antibacterial activity of Sio/Zno bionanao composite.	
					K. Ganesan	2018	Evaluation of antimicrobial activity of Cu/Si bionano composite on various pathogenic Microbial Strains	
35	Dr. S. Sagayalatharani	Associate Professor	Physical Education	-	-	-	-	-