

Achievements of Faculties

Thanthai Periyar Government Arts and Science College (A), Trichy-23

Number of Research Papers published in Journals:

PG and Research Department of Botany

Name of the author/s	Department	Title of the Paper	Name of the Journal	Month & Year of Publication	ISSN	Link to the Journal Article
N.K, Midhun, Saravanamoorthy M.D, and Abdussalam A.K.	Botany	Gas Chromatography-Mass Spectrometry (GC-MS) Analysis of Phytoconstituents from Leaves of <i>Rhynchosyris</i> (Wall.) B.L. Burtt	European Journal of Medicinal Plants	June 2025	ISSN: 2231-0894	DOI: 10.9734/ejimp/2025/v36i41276
Balasubramani, Sundararajan , Arya, Surjeet , Gayathiri, Ekambaram , Gurusamy, Dhandapani & Saravanamoorthy Mutharasanallur Duraisamy	Botany	Exploring the potential of RNA interference (RNAi) in mosquito control: from mechanisms to molecular insights	In Vitro Cellular & Developmental Biology - Animal	Jan 2026	ISSN(P): 1071-2690 ISSN(E) 1543-706X	DOI: 10.1007/s11626-025-01150-y
N.K, Midhun .M.D, Saravanamoorthy & A.K, Abdussalam.	Botany	Antimicrobial Evaluation, HPTLC Fingerprint Profiling and GC-MS Analysis of the Leaves of <i>Henckelia humboldtiana</i> (Gardner) A. Weber & B. L. Burtt.	Journal of Pharmaceutical Research International.	Jan 2026	ISSN: 2456-9119	DOI: 10.9734/jpri/2026/v38i17802
M. Manoranjitham, T. Hemalatha and A. Vinotha	Botany	Beneficial microbial diversity in the rhizosphere of <i>Casuarina equisetifolia</i> L. – A mini review	International Journal of Minor Fruits, Medicinal and Aromatic Plants.	Jun-25	ISSN (P): 2424-6921; ISSN (E): 2424-693X	DOI: 10.53552/ijmfmap.11.1.2025.107-115

M Manoranjitham, T Hemalatha and P Mathiazhagan	Botany	Exploration and documentation of medicinal plants to treat diabetes mellitus in Rengamalai hills, Vedasanthur Taluk, Dindigul district, Tamil Nadu	Journal of Medicinal Plants Studies	Aug-25	ISSN (E): 2320-3862 ISSN (P): 2394-0530	DOI: https://www.doi.org/10.22271/plants.2025.v13.i5a.1934
M. Manoranjitham T. Hemalatha and R. Surya	Botany	A Survey on the indigenous uses of sthalavrikshas in the selected temples of Tiruchirappalli district, Tamilnadu, India	World Journal of Pharmacy and Pharmaceutical Sciences	Jul-25	ISSN 2278 – 4357	DOI: 10.20959/wjpps20258-30420
Malaichamy Manoranjitham, Thangam Hemalatha	Botany	Bioactive Potential of Salicornia europaea Extracts Antioxidant, Anti-Inflammatory, Antivenom, and Anticancer Assay on HepG2 Apoptosis Induction	Asian Journal of Biological and Life Sciences	Jul-25		DOI: 10.5530/ajbls.20251481
M. Manoranjitham	Botany	Ethnomedicinal Flora deployed in the therapeutic intervention of Snakebite within the Pachamalai Hills, Tiruchirappalli District, Tamil Nadu, India.	International Journal of Creative Research Thoughts (IJCRT)	Nov-25	ISSN: 2320-2882	
K.Varshini, S.Sandhiya, M.Manoranjitham, R. Sakthivel, K.Gajalakshmi & S.S ubhashini	Botany	Biosynthesis of Copperoxide Nanoparticle using Leaf Extract of Plectranthusamboinicus and its Antibacterial activity	Tijer – International Research Journal	Nov-25	ISSN 2349-9249	https://tjjer.org/TIJER/papers/TIJER2511100.pdf
Manoranjitham M Ravikumar R., Velmurugan S. and Suganthi P.	Botany	In Vitro Antimicrobial and Antioxidant Abilities of the Phyllanthus emblica Seed Mediated Zinc oxide Nanoparticles	International Journal of Zoological Investigations	Jan-26		https://doi.org/10.33745/ijzi.2026.v12i01.002

Sujatha Govindaraj	Botany	Exploring the therapeutic potential of Resveratrol: A natural compound with multifaceted health benefits	Journal of Phytopharmacology	2025	2320-480X	https://doi.org/10.31254/phyto.2025.14616
IMMACULATE MARY T And SUJATHA G.	Botany	Impact of Salinity Stress on Secondary Metabolite Production in Plants: A Comprehensive Review	South Asian Journal of Agricultural Sciences	2025	P-ISSN: 2788-9289, E-ISSN: 2788-9297	https://www.doi.org/10.22271/27889289.2026.v6.i1a.247
Sujatha Govindaraj	Botany	Therapeutic Potential of Plant Bioactives in the Control and Treatment of Schistosomiasis	South Asian Journal of Parasitology	2025	-	https://doi.org/10.9734/sajp/2025/v8i4247
D. Geetha & G. Sujatha	Botany	Ethnobotanical survey and documentation of plants in S. Pavanthur of Sankarapuram Taluk, Kallakurichi district, Tamil Nadu	International Journal of Pharmacognosy and Life Science	2025	E-ISSN: 2707-2835 P-ISSN: 2707-2827	https://www.doi.org/10.33545/27072827.2025.v6.i2a.165
Sujatha Govindaraj	Botany	Ethnomedicinal plants with promising antivenom potential for treating snake bites: A neglected tropical disease	Journal of Medicinal Plants Studies	2025	ISSN (E): 2320-3862 ISSN (P): 2394-0530	https://www.doi.org/10.22271/plants.2025.v13.i3b.1854
Sujatha Govindaraj, Geetha Dhandapani & Saravanan Pappaiyan	Botany	Ethnobotanical investigation of therapeutic plants in Thiruthuraiipoondi, Tamil Nadu	Acta Biologica Slovenica	2025	1854-3073	https://doi.org/10.14720/abs.68.3.21545

PG & Research Department of Zoology

Number of Research Papers published in Journals

Name of the author/s	Department	Title of paper	Name of journal	Month and Year of publication	ISSN number	Link to the Journal Article
Mohideen Askar Nawas	Zoology	Screening of Eco-Friendly Bioactive Compounds in Freshwater Bivalvia Shell (<i>Lamellidens corrianus</i>) Extract Using GC-MS Technique	<i>Eco. Env. & Cons</i>	11/2025	0971-765X	https://www.envirobiotechjournals.com/issues/article_abstract.php?aid=16377&iid=430&jid=3
Mohideen Askar Nawas	Zoology	EXPLORING IN-VITRO ANTIOXIDANT PROPERTY OF FRESHWATER BIVALVIA SHELL (<i>LAMELLIDENS CORRIANUS</i>) EXTRACT	Biochem. Cell. Arch	10/2025	ISSN 0972-5075	https://doi.org/10.51470/bca.2025.25.2.1995

Department of English

Research Papers published in Journals

Name of the author/s	Department	Title of paper	Name of journal	Month and Year of publication	ISSN number
Dr. D. Dhanalakshmi	English	The Mirage of Appearance in Neil Gaiman's <i>Neverwhere</i>	The Voice of Creative Research	July 2025	ISSN: 2582-5526
Dr. D. Dhanalakshmi	English	Exploring Trauma and Transformation in Neil Gaiman's <i>Anansi Boys</i>	Amnayiki	June, 2025	ISSN : 2277 - 4270

Dr. D. Dhanalakshmi	English	The Displacement of Nature by Urbanization and Modernity	The Yeats Journal of Korea	August 2025	ISSN : 2288-5412
Dr. D. Dhanalakshmi	English	<i>From London Below to the Heavenly Spheres: A Comparative Journey with Richard Mayhew and Job</i>	Harvest: An International Multidisciplinary and Multilingual Research Journal.	October-December 2025	E-ISSN :2582-9866
Dr. D. Dhanalakshmi	English	Beyond Borders: Dislocation, Identity and the Immigrant Experience in Amit Chaudhuri's <i>Odysseus Abroad</i>	Research Journal of English Language and Literature	June 2025	
Dr. D. Dhanalakshmi	English	Modernity and Tradition Intertwined: Exploring the Transformative potential of Cultural Diversity in <i>A Day in the Life</i>	Amnayiki	June, 2025	ISSN : 2277 – 4270
Dr. D. Dhanalakshmi	English	Tenacious Identities, Reconfigured Spaces: An Anthropological Perspective on Intercontinental Cultural Resistance and Metamorphosis in Anjum Hasan's <i>Difficult Pleasures</i> and <i>A Day in the Life</i>	SCOPUS Forum for Linguistic Studies	July 2025	E-ISSN : 2705-0602
Dr. D. Dhanalakshmi	English	Intersectionalism and Masculinity in Anjum Hasan's <i>The Cosmopolitans</i>	Journal of the English Literator Society	September 2025	ISSN 2455-393X
Dr. D. Dhanalakshmi	English	Intersectionalism and Masculinity in Anjum Hasan's <i>The Cosmopolitans</i>	Journal of the English Literator Society	September 2025	ISSN 2455-393X
Dr. D. Dhanalakshmi	English	Diasporic Echoes of Hybridity and Identity in Zadie Smith's <i>The Fraud</i>	International Research Journal of Humanities and Interdisciplinary Studies	July 2025	ISSN : 2582-8568

Department of Statistics

Research Papers published in Journals

Sl.No	Name of the Authors	Title of the paper	Name of the Journal	Month & Year of publication	ISSN Number	Link to the Journal Article
1	D.Karunanidhi & Dr.S.Sasikala	Integrating Semi-supervised discriminative classification with denoising for enhanced statistical analysis in medical image processing	International Journal of Applied Mathematics	2025	Vol No. 38, No.9s 2025 ISSN:1311-1728	https://ijamjournal.org/ijam/publication/index.php/ijam/article/view/799
2	D.Karunanidhi & Dr.S.Sasikala	Robust Regression Analysis for Pregnant Women Nutrition Level of the State	Panamerican Mathematical Journal	2025	Vol No. 35, No.3s 2025 e-ISSN: 1064-9735	https://internationalpubls.com/index.php/pmj/article/view/4055
3	Divya Valiyattil Ramachandran, Dr.B.Senthilkumar	Statistical Evaluation of Depression, Anxiety, and Stress Levels Among Children in Kerala During Lockdown	Americal Journal of Theoretical and Applied Statistics	2026	Vol. No. 15 (1) pp.19-26	https://doi.org/10.11648/j.ajtas.20261501.13
4	Divya Valiyattil Ramachandran, Dr.B.Senthilkumar	Psychological Impact of the COVID-19 Pandemic on Children in Kerala: A Cross-sectional Analysis	International Journal of Statistical Distribution and Applications	2026	Vol. No. 12 (1) pp.13-23	https://doi.org/10.11648/j.ijstda.20261201.12

Department of Computer Science

Name of the author/s	Department	Title of paper	Name of journal	Month and Year of publication	ISSN number	Link to the Journal Article
Dr.S.Panneer Arokiaraj & Mrs.V.Kavitha	Computer Science	Energy-efficient IoT routing with enhanced sandpiper optimization algorithm and RPL integration	International Journal on Information Technologies and	June 2025	1313-8251	https://ijits-bg.com/index.php/2025.v17.i2.01

			Security			
Dr.R.Karthika	Computer Science	CV-TSD: Computer Vision Based Traffic Sign Detection Using TensorFlow Models	Indian Journal of Science and Technology	Dec 2025	0974-5645	DOI: 10.17485/IJST/v18i47.1906

Department of Computer Applications

Name of the author/s	Department	Title of paper	Name of journal	Month and Year of publication	ISSN number	Link to the Journal Article
Arunachalprabu G Fathima Bibi K	Computer Applications	Pattern-driven Huffman encoding and positional encoding for DNA compression	The Scientific Temper	June & 2025	0976-8653	https://scientifictemper.com/index.php/tst/article/view/2054
Tamil Fathima S Fathima Bibi K	Computer Applications	Early diagnosis of cardiac disease using Xgboost ensemble voting-based feature selection, based lightweight recurrent neural network approach	The Scientific Temper	June & 2025	0976-8653	https://scientifictemper.com/index.php/tst/article/view/2051

II. Number of Patents received

Name of the author (s)	Department	Patent Details	Name of the Company	Month and year
M.Manoranjitham	Botany	AI – Based device for detection of Plant diseases	The patent office, Government of India	July 2025
Dr.Maragathameenatchi	Mathematics	Design Applications	CBR Number: 222273 Dt.	Mar 2024

Number of Papers published in National / International Conferences

PG and Research Department of Botany

Name of the Teacher	Title of the Paper presented	Name of the Conference	National / International	Month & Year	Place	Link to Research paper presented
Dr.M. Manoranjitham	Impact of land pollution on marine agro biodiversity in the Bay of Bengal and need for sustainability conservation	Advances in Healthcare and Medical Sciences- ICAHMS 2025	International	August 2025	Trichy	
Dr.M. Manoranjitham	Impact of climate change on medicinal and aromatic plants in Kolli hills and need for sustainability conservation under SDG 15	Two Day National Conference on Biodiversity and Conversion challenges	National	Oct 2025	Madurai	
Dr. G. Sujatha	Women in Botany – Pioneers, Perspectives and Lasting Contributions	The Synergy Summit: Unlocking Women Potential at the intersection of E cube	International	January 2026	Thanthai Periyar Government Arts and Science College (Autonomous), Trichy	https://drive.google.com/file/d/1Zhlge9vWFgnvbgFJGINZCG0Cs6oDfnaE/view?usp=sharing
Dr. G. Sujatha	Education and Empowerment: Transforming the lives of Indian Women	The Synergy Summit: Unlocking Women Potential at the intersection of E cube	International	January 2026	Thanthai Periyar Government Arts and Science College (Autonomous), Trichy	https://drive.google.com/file/d/1NWpo6FHFbwflvxoMNoq4D3u6mk26VC87/view?usp=sharing

PG & Research Department of English

Name of the teacher	Title of the paper presented	Name of the conference	National / International	Month and Year	Place
Dr. D. Dhanalakshmi	The Search for Self: Diasporic Fiction in Zadie Smith's The Autograph Man	Literature, War, and Memory: Narratives of Trauma and Healing in 20 th and 21 st Century English Literature	National	August 2025	Govt. Arts & Science College, Idappadi
Dr. D. Dhanalakshmi	Post Colonial Trauma and the Ghosts of History in Ben Okri's The Famished Road	Literature, War, and Memory: Narratives of Trauma and Healing in 20 th and 21 st Century English Literature	National	August 2025	Govt. Arts & Science College, Idappadi

PG and Research Department of Computer Science

Name of the teacher	Title of the paper presented	Name of the conference	National / International	Month and Year	Place
Dr.R.Parimala	Digital Inclusion and Empowerment of marginalized Women in Tamil nadu, India	International conference on unlocking women potential at the intersection of E-cube(Education, Empowerment and Economy)	International	05/01/2026	TPGASC, Trichy-23

Number of Books / Chapters of a book authored

PG and Research Department of Botany

Name of the Teacher	Title of the book / chapters published	Month and year of publication	ISBN / ISSN	Name of the Publisher	Link
Dr. G. SUJATHA	Survey and Documentation of Medicinal Plants in Moovanur Village, Tamil Nadu	2025	978-93-48679-41-3	JPS Scientific Publications, India	https://drive.google.com/file/d/1yv_10-vPgPUIDL1g0njpWbua3Yjp3xYZ/view?usp=sharing
Dr. G. SUJATHA	Effect of raw and treated textile industry effluent on seed germination and seedling growth in green Gram (<i>Vigna radiata</i> (L.) R. Wilczek)	2025	978-93-48679-41-3	JPS Scientific Publications, India	https://drive.google.com/file/d/1ljG0SpnFOkvX09EtNsC-6ebbH-QPgTsi/view?usp=sharing
Dr. G. SUJATHA	Impact of salt stress on morphology and physiology of <i>Solanum virginianum</i> L.	2025	978-93-48679-70-3	JPS Scientific Publications, India	https://drive.google.com/file/d/11zjsb3zSg4GF5g9uB64xaibq4Ht2IJ2z/view?usp=sharing
Dr. G. SUJATHA	Ethnobotanical investigation of Kalrayan hills for the management of gynecological problems	2025	978-93-48679-70-3	JPS Scientific Publications, India	https://drive.google.com/file/d/120Tm8wFWVTjINv7IVXumjzOb9ELGLqDc/view?usp=sharing
Dr. G. SUJATHA	Effect of textile dyeing effluent on seed germination and seedling growth in <i>Vigna radiata</i> (L.) Wilczek varieties CO-6 and CO-GG-902	2025	978-93-48679-70-3	JPS Scientific Publications, India	https://drive.google.com/file/d/1xbHCWINKkjAKdhwdu09FsYbcUYK1OIk/view?usp=sharing
Dr. G. SUJATHA	BioRender in Life Sciences: A Review of its role in scientific Visualization, Communication, and Education	2026	978-93-94293-81-6	Indian Academic Researchers Association, Trichy, TN, India	https://drive.google.com/file/d/1NeiQwcZnKppV3kfBCDMW6W5MXQH8Wujv/view?usp=sharing

PG and Research Department of Computer Science

Name of the Teacher	Title of the book / chapters published	Month and year of publication	ISBN / ISSN	Name of the Publisher	Link
Dr.S. Panneer Arokiaraj & Mrs. V. Kavitha	Book name: Computational Intelligence in Machine Learning Chapter Name: Design of an Optimal Path Finding Protocol for WSN Based on Robust Dynamic Clustering Technique and Effectual Relay Selection Process	02.07.2025	1876-1100	Springer Nature , Singapore	https://link.springer.com/chapter/10.1007/978-981-96-4391-2_4

NUMBER OF RESEARCH GRANTS RECEIVED

Name of the Scholar	Name of the Guide	Department	Research Title	Name of the funding agencies and Grant No.	Grant Sanctioned
D.Geetha	Dr.G.Sujatha	Botany	Eco friendly Menstrual Products: Harnessing the natural properties of Acalypha indica L. and Senna alata (L.) Roxb. For biodegradable sanitary napkins	CMRG250389	Rs. 12,33,750/-
	Dr.C.Aiyavu	Bio-Chemistry	Preclinical Evaluation of Hispolan and Varacin-a natural product inhibitors of MDM2 as an Anticancer Agents for oral and Colon Cancers	CMRG/37491/H3	Rs. 39,90,000/-
P.Backya Lakshmi	Dr.C.Aiyavu	Bio-Chemistry	Investigating the Anticancer potential of caesalpinia bonducella extract in Brest (MCF-7) and colon (HT-29) cancer cell lines	CMRG2400330	Rs. 17,58,750/-

**Proceedings of the Commissioner of Technical Education
Directorate of Technical Education, Chennai - 600025**

**Present: Tmt. J. Innocent Divya, I.A.S.,
Commissioner of Technical Education**

Proceedings. No. CMRG / 3005 / H3 / 2024 / 017, Date: 16.07.2025

**Sub: Directorate of Technical Education - Chief Minister's Research Grant
2024-25, Approval cum Release of Grant - Project No CMRG2400330 -
Reg.**

Ref: G.O.(Ms).No. 15, Higher Education (J1) Department, Dated: 27.01.2023.

In the G.O. cited above, the Government of Tamil Nadu has sanctioned Rs.50.00 crore funds for Chief Minister's Research Grant Scheme as recurring grant to the Commissioner of Technical Education towards allocation of funds for all Government Higher Educational Institutions and State Universities in Tamil Nadu for promoting quality research to enhance the rigor, reliability, robustness and transparency of research. The mission of this grant is "Global Dynamics in Responsible Research". In the above G.O., the Government has constituted the Peer Review Panel Evaluation Committee (PRPEC) for the selection of the research proposals.

The Directorate of Technical Education (DoTE) is delighted to inform you that your proposal has been selected for funding under the "Chief Minister's Research Grant" scheme

CMRG Scheme	2024-25
Project ID	CMRG2400330
Project Title	Investigating the Anticancer potential of Caesalpinia bonducella extract in Breast (MCF-7) and Colon (HT- 29) Cancer cell lines
Principal Investigator (PI) & Address	P.Backya Laksmi, Research Scholar, Department of Biochemistry, Thanthai Periyar Government Arts and Science College (Autonomous), Trichy - 620023.
Project Type	Student - led
Co-Principal Investigator (Co-PI) & Address	Dr.C.Aiyavu, Assistant Professor, Department of Biochemistry, Thanthai Periyar Government Arts and Science College (Autonomous), Trichy - 620023.
Budget Sanctioned (Rs.)	17,58,750/-
Project Duration	3 Years
Collaboration	Nil

**PROCEEDINGS OF THE COMMISSIONER OF TECHNICAL EDUCATION
DIRECTORATE OF TECHNICAL EDUCATION, CHENNAI - 600026**

**PRESENT: Thiru. T. Abraham, I.A.S.,
Commissioner of Technical Education**

Proceedings No. CMRG / 37491 / H3 / 2022 / 053, Date: 16.12.2024

**Sub : Technical Education - CMRG 2023-2024 - Approval-cum-Release of
Grant for Project No CMRG2023BBC03022 - Regarding**

Ref : G.O.(Ms) No. 15, Higher Education (J1) Department, Dated: 27.01.2023

(1) In the G.O. cited above, the Government has sanctioned Rs.50.00 crore for Chief Minister's Research Grant Scheme as recurring grant to the Commissioner of Technical Education towards allocation of funds for all Government Higher Educational Institutions and State Universities in Tamil Nadu for promoting quality research to enhance the rigor, reliability, robustness and transparency of research. The mission of this grant is to explore 'Global Dynamics in Responsible Research'. In the above G.O., the Government has constituted the Peer Review Panel Evaluation (PRPE) Committee for the selection of the research proposals.

(2) The Directorate of Technical Education (DoTE) is delighted to inform that the project titled "Preclinical Evaluation of Hispolon and Varacin a Natural Product Inhibitors of MDM2 as an Anticancer Agents for Oral and Colon Cancers" submitted By Dr. C. Alyavu has been selected for funding under the 'Chief Minister's Research Grant' scheme for the year 2023-2024 at a total cost of Rs.39,90,000/- (Rupees Thirty Nine Lakhs Ninety Thousand- only) for a duration of three years. The detailed breakup of the grant for each component is given below.

EXPENSE HEAD	BUDGET (in Rupees)			
	1 st Year	2 nd Year	3 rd Year	Total
A. Recurring				
1. Remunerations for Assistantship/Fellowship (One Person)	3,00,000	3,00,000	3,00,000	9,00,000
2. Consumables	3,00,000	3,00,000	3,00,000	9,00,000
3. Travel	10,000	10,000	10,000	30,000
4. Other costs	20,000	20,000	30,000	70,000

B. Non-recurring Equipment/Software				
1. CO2 Incubator				
2. Inverted Phase Contrast Microscope	19,00,000	0	0	19,00,000
3. Deepfreezer				
4. Biosafety Cabinet Make				
5. Cooling Centrifuge				
C. Institutional Charges	1,26,500	31,500	32,000	1,90,000
Grand Total (A+B+C)	26,56,500	6,61,500	6,72,000	39,90,000

(3) The mobilization fund of Rs.7,56,500/- (Rupees Seven Lakhs Fifty Six Thousand Five Hundred only) for the implementation of the aforementioned research project is released to the Registrar/Principal through CMRG Single Nodal Agency (SNA) account via Tamil Nadu Public Fund Tracking System (TNPFTS).

(4) The funds will be released in phased manner, following an assessment of the project progress and the milestones given by the Principal Investigator.

(5) This sanction order has been issued with the approval of the competent authority.

(6) The released funds may be returned to Chief Minister's Research Grant, Directorate of Technical Education, Chennai, immediately if the Principal Investigator either has an ongoing CMRG Research Project or has been transferred, left, or retired from the college, otherwise, legal actions will be taken against the University/Institution for violating CMRG norms.

(7) The sanction of grant is subject to the conditions as described in the Terms & Conditions available on the website.

(8) The University/Institution must keep a separate register of assets obtained through the CMRG fund.

(9) The sanctioned items should be procured as per the Purchase Norms of Government of Tamil Nadu and their disposal must be done with prior approval from CMRG.

(10) The University/Institution should maintain separate audited accounts for the CMRG-funded project.

(11) The project's accounts shall be open to inspection by the sanctioning authority or audit whenever the institution is called upon to do so.

(12) The institution must furnish a separate financial year-wise Utilisation Certificate to this office for Recurring, Non-Recurring and Institutional charges, along with an audited statement of accounts pertaining to the grant immediately after the end of each financial year.


(13) The Investigator/Host Institute must acknowledge the support provided to them in all publications, patents and other outputs resulting from the project funded by CMRG, Directorate of Technical Education, and Government of Tamil Nadu.

(14) The project letter number should be mentioned in all research communications arising from the above project, with due acknowledgement of CMRG.

(15) The Organization/Institution/University should ensure that the technical support/financial assistance provided to them by CMRG should invariably be highlighted/acknowledged in their media release as well as in bold letters in the opening paragraph of their annual report.

(16) Failure to comply with the terms and conditions of the scheme will entail a full refund with interest.

Sd/- T.Abraham
Commissioner of Technical Education


for Commissioner of Technical Education



(Through the Principal)

To,
Dr. C. Aiyavu,
Assistant Professor,
Department of Biochemistry,
Thanthai Periyar Government,
Arts Science College (Autonomous),
Trichy - 620 023

Copy to

1. The Principal,
Thanthai Periyar Government,
Arts Science College (Autonomous),
Trichy - 620 023
2. Stock File

Government of Tamil Nadu
Department of Higher Education
Directorate of Technical Education (DoTE)
Chief Minister's Research Grant (CMRG)
 53, Sander Patel Road, Guindy, Chennai-25

CMRG 2025-26 : List of 327 Research Proposals Sanctioned

Ref 1: HE(U1) Dept. G.O. (Ms), No. 15, Dt. 27.01.2023. Establishment of CMRG & Sanction of Rs. 50 crore grant.
 Ref 2: HE(U1) Dept. D.O. Letter No. 17621/2025/1-R, Dt. 13.05.2025. CMRG scheme extended to 8 more Universities.
 Ref 3: HE(U1) Dept. Letter No. 2434/1/2025-2, Dt. 10.12.2025. PRPEC meeting date.

SI. No. 001-256: Tamil Nadu State Government Universities (A-2)
 SI. No. 257-290: Constituent Units of TN State Govt Universities (A-2, domain-wise)
 SI. No. 291-327: Tamil Nadu State Government Colleges (Arts & Science, Engineering, Medical, Polytechnic)

Sl. No	Proposal ID	Submitted by	Principal Investigator (PI) details	PI Institution Name	Title of Research Proposal	Budget Sanctioned (Rs.)
1	CMRG250043	Student	M. Viswa, Ph.D. Scholar, Department of Industrial Chemistry	Alagappa University	Smart Portable Sensor with MOF-Graphene Composite for Rapid Heavy Metal Detection in Health and Agricultural Safety in Tamil Nadu	1365000
2	CMRG250060	Faculty	Dr. M. Vasimairaja, Professor, Department of Education, CDDE	Alagappa University	Mapping Futuristic Skills among Higher Education Students in Tamil Nadu: Aligning Competencies with Traditional and Emerging Industry Needs	1044750
3	CMRG250175	Faculty	Dr. B. Vasantharan, Senior Professor, Department of Animal Health & Management	Alagappa University	Establishment of Smart Nanogel Carriers from Macroalgae Polysaccharides: Emerging Frontiers in Diabetic Foot Ulcer Management	2740500
4	CMRG250201	Student	T. Gobika, Ph.D. Scholar, Department of Animal Health & Management	Alagappa University	Utilising Seaweed Biomass to Produce Green Hydrogen Fuel: A Sustainable Coastal Energy Solution.	1522500
5	CMRG250202	Faculty	Dr. C. Anbuchekian, Associate Professor, Department of Commerce	Alagappa University	Impact of the Naam Nudhavan Scheme on Enhancing Technical and Soft Skills among Higher Education Students in Tamil Nadu: A Study	1023750
6	CMRG250224	Student	K. Sathish Kumar, Ph.D. Scholar, Department of Education	Alagappa University	Integrating AI-Based Learning Tools in Government Schools: A Study on Effectiveness, Adoption, and Policy Implications in Rural Tamil Nadu	1338750

CMRG - Botany

306	CMRG25-SD-0038	Faculty	Dr. T. Vani, Associate Professor, Department of Computer Science	Rajeswari Vedachalam Government Arts College, Chengalpattu	Reviving Classical Tamil: An Interactive Android App for Learning Thokkeppam	1029845
307	CMRG250324	Student	P. Shiforah Rajam, Ph.D. Scholar, Department of Zoology	Rani Anna Govt College for Women, Tirunelveli	Genetic Polymorphisms and Susceptibility to Polycystic ovaries in women across different age groups: A Case-Control study in Tirunelveli District, TN	1554000
308	CMRG25-SD-0001	Faculty	Dr. D. Rami Kumar, Associate Professor, Department of Business Administration	Sri Meenakshi Govt Arts College for Women (A), Madurai	Digital Entrepreneurship Literacy for Women Graduates in Tamil Nadu	3465000
309	CMRG250399	Student	D. Geetha Ph.D. Scholar Pg. & Research Department of Botany	Thirathal Peiyar Govt Arts & Science College, Tiruchirappalli	Eco-friendly Menstrual Products: Harnessing the Natural Properties of Acalypha indica L. and Senna alata (L.) Roxb. for Biodegradable Sanitary Napkins	1233750
310	CMRG251459	Faculty	Dr. R. Prakash, Associate Professor, Department of Civil Engineering	Alagappa Chettiar Govt College of Engineering & Technology, Karaikudi	Feasibility study of using coconut shell as coarse aggregate in hybrid fibre reinforced sustainable concrete for low-cost housing	1837500
311	CMRG250259	Faculty	Dr. J. Nafeesa Begum, Professor, Dept of Computer Science & Engineering	Government College of Engineering, Bargur	Examination System for People with Low-Vision	2094750
312	CMRG250734	Faculty	S. Tamil Prabhakaran, Assistant Professor, Department of Mechanical Engineering	Government College of Engineering, Bargur	Hybrid AI Model for WAAM Deposition Path Optimization Using Simulation-Driven Learning and Real-Time Feedback	3832500
313	CMRG25-SD-0026	Faculty	Dr. S. Sathyaanya, Associate Professor, Department of Civil Engineering	Govt College of Engineering, Chettikkarai Village, Dharmapuri	STUDIES ON EIO-INSPIRED ROOT PILES FOR STABILIZING SLOPES	1485750
314	CMRG250728	Faculty	Dr. G. Dharmodhara Kannan, Associate Professor, Department of Civil Engineering	Govt College of Engg, Melachokkanathapuram, Bodi	Structural Behaviour of Modified Open Web Steel Joist Incorporating concrete-filled Chord Members	1485750
315	CMRG250899	Faculty	Dr. B. Sivaranjan, Assistant Professor, Dept of Computer Science & Engineering	Govt College of Engg, Melachokkanathapuram, Bodi	Next-Generation Safety Practices for Institutions through Digital Tracking using CCTV footage analysis	2336250
316	CMRG250925	Faculty	Dr. R. Ragupathi, Assistant Professor (SI. Gr), Department of Civil Engineering	Govt College of Engg, Melachokkanathapuram, Bodi	IOT Based Smart Water Pumping, Distribution and Quality Control System for GCE Bodiayakanur College Campus	2482200
317	CMRG250979	Faculty	C. Sathesh Pandian, Assistant Professor, Dept of Computer Science & Engineering	Govt College of Engg, Melachokkanathapuram, Bodi	Portable LTE/5G Emergency Communication Node for Disaster Relief Using eNodeB/NodeB Architecture	3003000
318	CMRG250966	Faculty	Dr. T. S. Murugesh, Associate Professor, Dept of Electronics & Commun. Engineering	Government College of Engineering, Srirangam, Trichy	AI Based SMART Multihazmat Aviguar Dr. Kalaignar M. Karunanidhi Integrated Bus Terminus (IBT) @ Panjapur, Trichy	3097500



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प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो WHEEL CHAIR (PAWL AND RATCHET MECHANISM) से संबंधित है, का पंजीकरण, श्रेणी 12-12 में 1.DR P PRABHAKARAN 2. DR P MARAGATHA MEENAKSHI 3.DR G KARTHIKEYAN 4.DR R ASHOK RAJ 5.MR V LOGESH KUMAR के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

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प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो AI-BASED DEVICE FOR DETECTION OF PLANT DISEASES से संबंधित है, का पंजीकरण, श्रेणी 10-05 में 1.Dr.R.NITHYATHARANI 2. Dr.S.REGA 3.Dr.T.M.M.JOHN BASTIN 4.Ms.S.GEETHA 5.Dr.M.MANORANJITHAM 6.Ms.S.VIJAYA SAMOONDEESWARI 7.Ms.A.AAFREEN FATHIMA के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

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The following 41 books are published through the fund allotted for alumni activities and the seed money for research during 2025-2026.

S.No.	TITLE of the Book	Editors / Authors	No. of Book Chapters
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TEACHING EXCELLENCE THROUGH DIGITAL TOOLS IN SOCIAL SCIENCE

Editor

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Tiruchirappalli -Tamil Nadu -India



Published by
INDIAN ACADEMIC RESEARCHERS ASSOCIATION
Tiruchirappalli -Tamil Nadu -India
www.iaraindia.com
ISBN : 978-93-94293-58-8

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INDIAN ACADEMIC RESEARCHERS ASSOCIATION
Tiruchirappalli -Tamil Nadu -India
www.iaraindia.com
ISBN : 978-93-94293-81-6

**ADVANCED TECHNOLOGY
TOOLS IN SCIENCE EDUCATION**

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SOFTWARE TOOLS FOR RESEARCH ANALYSIS

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ISBN : 978-93-94293-32-8