

KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)
Coimbatore – 641 029
Academic Year 2025 – 2026

Research Paper published by Faculty Members (International Journals)

DEPARTMENT: ENGLISH

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
1.	K. S. Mangayarkkarasi	From Loneliness to Belonging: Consolation and Bonding in Roald Dahl's "Charlie and the Chocolate Factory and the BFG"	International Journal of Creative Research Thoughts - IJCRT	2025 Volume 13	f413	7.97	-
2.	K. S. Mangayarkkarasi	Critical Perspectives of Racism and Displacement in Abdulrazak Gurnah's Novels	International Journal of Creative Research Thoughts (IJCRT)	2025, Volume 13	d 459	7.97	UGC Care
3.	Mangayarkkarasi K.S	The Light Beyond Fear: Self-Discovery and Existential	Amulti Disciplinary Journal of Social	025, Volume 01	42	-	Others

		Triumph in Dahl's Danny the Champion of the World and The Witches	science sandhumanites				
4.	Mangayarkkarasi K.S	Cultural Memory and the Yearning for Homeland in Gurnah's Paradise	Amulti Disciplinary Journal of Social science sandhumanites	2025, Volume 01	48	-	Others
5.	Chitra. P	Assessing the LSRW Proficiency of Non- major English Students Through the Use of ICT Tools	International journal of research in English	2026, 8	83	-	Others
6.	Chitra. P	Exploring Illness Through Visual Nrratives in Graphic Novels	IJELLT	2025, 1	6	-	Others

DEPARTMENT: MATHEMATICS

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
7.	M. Vigneshwaran	Properties of frontier, exterior and border in picture topological	Turkish Journal of Mathematics	2025,49	96	-	Others

		Properties of frontier, exterior and border in picture topological spaces.					
8.	M. Venkatachalam	On Local Antimagic b-Coloring of Graphs: New Notion	Statistics, Optimization & Information Computing	2025,13	1544	1.4	Scopus
9.	Vidyarani. L	A study of connectedness in intuitionistic topological spaces	International Conference on Mathematical and Statistical Physics, Computational Science, Education, and Communication (ICMSCE 2025)	2025			Others
10.	Ravichandran .C	Qualitative analysis on existence and stability of nonlinear fractional dynamic equations on time scales	Nonlinear Engineering	2025 and Vol. 14	20250150	1.5	Scopus and Web of Science
11.	Ravichandran .C	A strong technique for solving the fractional model of multi-dimensional Schnakenberg reaction-diffusion system	Modern Physics Letters B	2025 and Vol. 39 Modern Physics Letters B	2550095	2.2	Scopus

12.	Ravichandran .C	Stability and solutions of adjoint nonlinear impulsive neutral mixed integral equations in dynamic systems	Journal of Applied Mathematics and Computing	2025 and Vol. 71	7521	2.7	Scopus
13.	S.P.R. Priyalatha	Exploring Separation Axioms in Binary Multiset	South East Asian J. of Mathematics and Mathematical Sciences	2025 and 21	161	0.168	Scopus
14.	S.P.R. Priyalatha	New Approach on Binary Supra Multiset Topological Space	South East Asian J. of Mathematics and Mathematical Sciences	2025 and 21	125	0.168	-
15.	P. Sathishmohan	Properties on Micro Pre-Covering Map in Micro Topological Spaces	Statistics, Optimization & Information Computing	2025 and 14	2061	-	Scopus
16.	N. Mohanapriya	Analysis on equitable local edge antimagic coloring of certain graphs	Sigma Journal of Engineering and Natural Sciences	43 & 2025	835	-	Scopus and Web of Science
17.	N. Mohanapriya	Finding secure communication channels via rainbow antimagic coloring of m-splitting graphs of paths	XVIII Reunión Española sobre Criptología y Seguridad de la Información: XVIII RECSI, León 23-25 octubre 2024	2025	173	-	-

18.	N. Mohanapriya	A Reinforced System for The Playfair Cipher by Incorporating Dominator Coloring in Latin Square Graphs	Applied Mathematics E-Notes	2025 & 25	306	-	Scopus and Web of Science
19.	N. Mohanapriya	On dominator coloring of corona products of some generalized graphs	Journal of Combinatorial Mathematics and Combinatorial Computing	126 & 2025	303	-	Scopus
20.	N. Mohanapriya	A Study on Geo Chromatic and Total Geo Chromatic number of Caterpillar tree and comb product of tree-like graphs	International Journal of Computer Mathematics: Systems Theory	10 & 2025	140	-	Scopus and Web of Science
21.	N. Mohanapriya	On rainbow antimagic coloring of wheel-related graphs.	Pakistan Journal of Statistics	41 & 2025	241	-	Scopus
22.	Ravichandran. C	Analysis of fractional logistic integro-differential equations with time scales in medical sciences and industry	Mathematical and Computer Modelling of Dynamical Systems	2025 and Vol. 31	2591961	1.8	Scopus and Web of Science

23.	Ravichandran. C	Unified Approach to Ulam Stability in Volterra Integro-Differential Equations via Time Scales	Complex Analysis and Operator Theory	2026 and Vol. 20	33	0.8	Scopus and Web of Science
24.	Ravichandran. C	Fractional Variants of the Modified Camassa-Holm Equation: Analytical and Numerical Approach: KS Nisar et al.	Complex Analysis and Operator Theory	2026 and Vol. 20	53	0.8	Scopus and Web of Science
25.	Ravichandran. C	Climate change and plankton dynamics: A fractional-order model-based investigation	Results in Control and Optimization	2026 and Vol.	100692	3.2	Scopus
26.	P. Sathishmohan	Micro Generalized Star Semi Closed sets in Micro Topological Spaces	Statistics, Optimization & Information Computing	2026 and 15	762	-	Others

DEPARTMENT: PHYSICS

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
27.	P. Matheswaran	The investigation of the annealing effect on quaternary Se-Te-Sn-Ag (STSA) thin film's structural, morphological, optical, and electrical properties	Physica B: Condensed Matter	2026, 726	418267	2.8	Web of Science

DEPARTMENT: CHEMISTRY (UG)

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
28.	K. Chandra Prakash	Chitosan-coated silver nanoparticles synthesized using Moringa oleifera flower extract: A potential therapeutic approach against triple-negative breast cancer	International Journal of Biological Macromolecules	2025, 320	145995	8.5	Scopus and web of science

DEPARTMENT: BOTANY

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
29.	Thenmozhi Krishnasamy	Isolation and Identification of Nitrogen-fixing Bacteria from the Banks of Meenachil River, Kottayam (District), Kerala.	The Voice of Creative Research	2025, 13	69	-	Google Scholar
30.	Thenmozhi Krishnasamy	Microstructural and physicochemical specifications of critically endangered medicinal tree species <i>Elaeocarpus gaussonii</i> , <i>Elaeocarpaceae</i> .	Plant Biosystems - An International Journal Dealing with all Aspects of Plant Biology	2025, 159	1261	1.7	Scopus and Web of Science
31.	P.Revathi Ponnusamy	Quantitative Estimation and Comparative Analysis of Polysaccharides and Proteins in Common Dietary Pulses	Kongunadu Research Journal	2025	6	-	Google Scholar

32.	Dr.R. Rekka	Indian Knowledge System Of Us Ingillicium Verum.L Wound Healing In Diabetic Foot Ulcer–A Traditional Approach	Kongunadu Research Journal	12, 2025	23	-	Others
33.	Abdulkaffoor.H	Bonsai as a Tool for Biophilic Urbanism: A Review of Ecological, Aesthetic, and Psychological Benefits in Indoor Environments	Asian Journal of Research in Biology	2026	15	-	Others
34.	Abdulkaffoor.H	Assessment of nectariferous and polleniferous plant diversity for honeybees in the foothills of Coimbatore district, Western Ghats, India	International Journal of Entomology Research	2026 (11)	35	-	Web of Science

DEPARTMENT: ZOOLOGY

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
35.	S. Raja	An Ecological Assessment of the Malampuzha River Using Biodiversity Indices with Emphasis on Fish Diversity and Richness	Egyptian Journal of Aquatic Biology & Fisheries	2026, 30	1313	0.26	Scopus
36.	S. Raja	Comparative toxicity of virgin and biodegraded LLDPE microplastics on growth, behavior, antioxidant, and hematological health of Catla catla fish	Journal of Hazardous Materials	2026, 501	140860	11.3	Scopus

DEPARTMENT: BIOCHEMISTRY (UG)

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
37	K.Nirubama	In Silico prediction and Comparative Modeling of proteins in Creeping Fig (Ficus pumila) plant	Journal of University of Shanghai for Science and Technology	23,2021	898	0.2	Scopus
38	K.Nirubama	Indian Knowledge System of Using Illicium Verum.L Wound Healing In Diabetic Foot Ulcer - A Traditional Approach	Kongunadu Research journal	11,2025	1	-	-
39	Selvi .V	Bio efficacy of insecticides used against diamond back moth agand their potential impact on natural enemies in cauliflower	Journal of Applied and natural science	2022			Google Scholar

DEPARTMENT: TAMIL (PG)

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
40	A. Rajalakshmi	Business Management Concepts Reflected in Tamil Literature: Textual Evidence	International Journal of Versatile Research and analysis	JANUARY - 2026 / 4	961	-	Others
41	A. Rajalakshmi	தமிழ் இலக்கியங்களும் மனித நேயமும்	முரண்களரி படைப்பகம் கல்வெட்டு பேசுகிறது. பன்னாட்டு இலக்கிய இதழ்	January 2026 /	533		Others

DEPARTMENT: ENGLISH (PG)

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
42	S P. Sasi Rekha	A Study of Power, Hierarchy and Social Control Through Sports in	"International Journal of Creative	VOL 13,2025	-	7.97	-

		Fredrik Backman's Beartown	Research Thoughts				
43	S P. Sasi Rekha	A House of a Thousand Splinters: Fragmented Lives and Reclaimed voices in A Thousand Splendid Suns	International Journal of English Literature and Literary Theories	VOL 1, 2025	1	7.1	-
44	S P. Sasi Rekha	Stages of Psychosocial Development for Adults in Aravind Adiga's Selection Day	"International Journal of Creative Research Thoughts	VOL 13,2025	-	7.97	-
45	Athisayaraj Jebakumar .J	Manners and Morals The Domestic Sphere in Jane Austen's World	Madhya Bharti - Humanities and Social Sciences UGC Care Group I Journal	2025	-	89	UGC Care
46	Athisayaraj Jebakumar .J	The Duality of Mind Exploring the Inner and Outer Consciousness in Jane Austen's Novels	IJOES	2025	8.175	123	Others

DEPARTMENT: CHEMISTRY (PG)

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
47	Pushpaveni A.	Thermal tuning of structural and photocatalytic	Journal of Alloys and Compounds journal homepage: www.elsevier.com/locate/jallcom	2026	186437	6.3	Scopus and Web of Science

		properties in NiO nanoparticles: Correlating annealing temperature with visible-light dye degradation efficiency	Thermal tuning of structural and photocatalytic properties in Ni				
48	Pushpaveni A.	Facile synthesis of CdO nanorods via thermal decomposition of a cadmium (II) complex precursor.	Journal of Technology	2025	311	-	Scopus
49	Pushpaveni A.	Multifunctional Ni(II) coordination architecture: A unified approach to catalysis, energy storage, and fluorescent sensing	Inorganic Chemistry Communications	2026	116154	5.4	Scopus and Web of Science
50	Vadivelan Ganesan.	Chemically Modified Eucalyptus globulus Bark as Adsorbent for Sequestration of Cu (II) ion from Aqueous Solution	Teresian International Journal of Chemical Sciences	2025 & VI	7	1	Others

DEPARTMENT: BIOCHEMISTRY (PG)

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
51	S. Kavitha	Smart Digital Twin System for optimized Elderly Type 2 Diabetes through Personalized Management using Adaptive Predictive Control	2025 11th International Conference on Communication and Signal Processing (ICCSP)	2025	1	496	Scopus

DEPARTMENT: COMPUTER APPLICATION

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
52	Paviyasre Nagaraj	Experimental Analyses using Data Mining Algorithms to Forecast of Heart Disease	TANZ	2026, 21	22	-	UGC Care

DEPARTMENT: MATHEMATICS (UA)

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
53	Baby Manogaran.	-	Advances and application in discrete Mathematics	2025 vol 42	689	-	Web of Science

DEPARTMENT: CHEMISTRY (PG)

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
54	Vadivelan Ganesan.	Deciphering the molecular complexity: Employing density functional theory to probe 2-aminopyridinium 4-methyl benzene sulfonate elucidates synthesis methodologies, spectroscopic trends, reactivity patterns, molecular dynamics, and antibacterial properties.	Journal of Molecular Structure	2025 & 1320	1	3.8	Scopus and Web of Science

DEPARTMENT: COMPUTER SCIENCE (UA)

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
55	Immaculate.A.	Cloud Computing: A Comprehensive Survey	Technische Sicherheit(Technical Security) UGC CARE Group II & Scopus Active Journal	Volume 25 Issue 10 2025	386	6.1	UGC Care
56	Radharani Saravanakumar .	Implementation of Digital Water Marking with Genetic Algorithm	Gina Shodh SANGAM	2025, 13	153	7.834	UGC Care

DEPARTMENT: CSDA

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
57	Kathirvelkumaran Loganathan	NLP And Deep Learning for Stock Market Sentiment Analysis - A Review	International Journal of Cultural Studies and Social Sciences	2025 and Volume 11	123	1.8	UGC Care

58	Praveena. B	Swarm Based Feature Selection and Ensemble Deep Learning Model (Edlm) For Botnet Attack Detection in IOT Healthcare Systems	International journal of innovation studies	2025,9	471	2096-2487	Scopus
59	N. Alamelu Mangai	A Study on Blockchain and Banking Opportunities, Challenges and Regulations	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Aug 2025	2028	7.5	UGC CARE
60	Velmurugan Sakthivel.	Predictive Modeling for Blood Sugar Levels and Personalized Dietary Recommendations using Machine Learning Approach	Mapana Journal of Sciences	Vol 24, No 4	105	2.3	Scopus And Web of Science
61	Velmurugan Sakthivel.	Enhancing Fire and Smoke Detection Through Computer Vision and Opencv-Based Analysis in HSV Color Space	Kongunadu Research Journal	12, 2025	59	4.23	Google Scholar
62	Velmurugan Sakthivel.	Extreme Sparse Learning for Robust and Comprehensive Facial Emotion Recognition	Journal of Informatics Education and Research	5 (2), 2025	269	7.1	Scopus and Web of Science
63	Velmurugan Sakthivel.	Fortifying the Cloud for Comprehensive Survey of Data Protection Strategies and Emerging Challe	Kongunadu Research Journal	12 (1), 2025	33	-	Google Scholar

DEPARTMENT: PSYCHOLOGY

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
64	S. Kavitha	Smart Digital Twin System for optimized Elderly Type 2 Diabetes through Personalized Management using Adaptive Predictive Control	2025 11th International Conference on Communication and Signal Processing (ICCSP)	2025	1	496	Scopus

DEPARTMENT: CLINICAL NUTRITION

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
65	M. Pushpa Devi.	Assessment of nutritional status and behavioral characteristics of ADHD Children (4-10 Years) In special schools of Puducherry	Kongunadu Research Journal	Volume 12 (1):	44-	-	-

66	M. Pushpa Devi.	Hysterectomy in Premenopausal Women: Assessing the Role of Diet, Lifestyle, and Psychological Well-being	Tanz Research Journal	Vol.11, Issue 7,	1869		Google Scholar
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DEPARTMENT: COMPUTER TECHNOLOGY

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
67	R. Dhivya	Corn Leaf Diseases Classification using Deep Neural Network	Indian Journal of Natural Sciences	2025 and 16	455	3.078	Web of Science

DEPARTMENT: COMMERCE

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
68	S.Kalpana Devi	A Study on The Convergence of AI and Blockchain in Indian Agriculture	International Journal for Multidisciplinary Research	2026 & 1	103	-	Others

		Supply Chain Management					
69	Saranya. S	Deceptive Advertising and Its Ramifications on Consumer Buying Behaviour: A Quantitative Investigation into Selected Fast-moving Consumer Goods in Coimbatore City	International Journal of Innovative Research in Technology	December 2025 volume 12	2828	8.017	Others
70	Saranya. S	Consumer Response to Deceptive Advertising Practices: A Study of Buying Behaviour in Selected Consumer Goods in Coimbatore City.	International Journal of Innovative Research in Technology	February 2026, Volume 12	1302	8.017	Others
71	Sudha Mahalingam.	Psyhychosocial factors influencing supportive work environments for differently abled employees.	International journal of innovative research in technology	2026 & Vol.12	533	8.017	Others
72	Uma. S	Deceptive Advertising and Its ramifications on	International Journal of Innovative	Dec 2025	2828	-	-

		Consumer Buying Behaviors: a quantitative Investigation into Selected Fast - Moving Consumer Goods in Coimbatore City	Research in technology				
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DEPARTMENT: COMMERCE CA

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
73	Bama. M	Green Marketing Strategies and Its Effect on Business Performance	South India Journal of Social Sciences	2024, Vol; XXII,4	948	-	UGC Care
74	Bama. M	Green Management and Its Influence on Consumer Perceptions And Behavior	International Journal of Advanced Research in Commerce, Management & Social Science	Volume 07 No. 03(II) July-September, 2024	9	6.986	-
75	Bama. M	Green Technology for Sustainable Pollution Reduction: Insights from	International Journal of Education, Modern Management,	Volume 07	25	7.555,	UGC Care

		Coimbatore's Industrial Sector	Applied Science & Social Science				
76	Velmurugan Sakthivel.	Fortifying the Cloud for Comprehensive Survey of Data Protection Strategies and Emerging Challenges	Kongunadu Research Journal	12 (1), 2025	33	-	Google Scholar
77	Monica S.	"Digital Payment Systems and UPI In Business: Transforming Commerce in The Digital Era"	International Journal of all Research Education and scientific Methods (IJARESM)	2026, 14	185	-	Others

DEPARTMENT: COMMERCE PA

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
78	Divya Priya B.	Role of Search Engine Optimization and Customer Satisfaction in Driving Customer Retention in The Tourism Sector	Business Studies	2025, XLVI	101	-	UGC Care

79	Divya Priya B.	Mitigating Worldwide Socio-Economic Disparities Through Sustainable Financial Governance and Adaptive Policy Frameworks	IEX LOCALIS	2025, 23	830	-	Scopus
80	Divya Priya B.	A Study on Seo's Impact in The Private Tourism Sector In Tamil Nadu In Digital Visibility and Tourist Loyalty	Research Explorer-International Journal on Economics and Business Management	2026, XV	13	-	Others

DEPARTMENT: BBA CA

S.No.	Name of Author(s) (Faculty Name in Bold)	Title of the Paper	Name of the Journal	Year, Volume	Page No.	Impact Factor	Indexed in Scopus/Web Science/Indian Citation Index/Google Scholar
81	Punitha Devi. S.	Perception of Social Media Users Towards Social Media Campaigns with Reference to Coimbatore City	Journal of Indian School of Political Economy	2025, XXXVII	73	7.28	UGC Care
82	Nithya. R	Leveraging Business Intelligence to Explore AI- driven	IGI Global	-	-	-	Scopus

		Transformation in the VUCA and BANI World					
83	Punitha Devi. S	"The Future of g: AI-Driven Approaches to Customer Engagement	International journal of research in academic world	2026, 5	54	8.47	UGC Care
84	Gayathri Manchubhashini Jagadeesan .	Factors Influencing Impulsive Buying Behaviour: An Empirical Study of consumers purchase Intentions towards offline Beauty Products in Coimbatore.	Journal of Infometrics	Volume 20 ,2026	17	-	Scopus