

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 220

List of Scopus Indexed Journal Publications

Calendar year: 2025

S.No	Authors	Title	Source title	Vol.	Issue	S. Page	E. Page	Year
1	Lakshmi G.K.; Dharmalingam K.M.; Jeeva N.	Exploring the Dynamics of Tuberculosis Epidemics Model Using Computational Approaches: A Comparative Study	New Mathematics and Natural Computation					2025
2	Seenivasan D.; Sakthivel K.	Patch-Based ECG Segmentation for Arrhythmia Classification Using Hybrid Deep Learning	Information Technology and Control	54	4	1189	1205	2025
3	Srinivasan S.; Krishnaveni Selva Ganeshan J.; Arumugam K.; Venkatachalam R.	Biogenic fabrication of α-h Phase 2D-MoO₃ nanomaterials: Comprehensive analysis of physicochemical and impedance properties for biological and photocatalytic applications	Journal of Molecular Structure	1324				2025
4	Hasan M.M.; Rajkumar S.; Ali S.A.; Satyanarayana V.; Jeyanthi S.; Qodirova G.	Analyzing SSL/TLS Handshake Latency in Modern Web Applications	Journal of Internet Services and Information Security	15	4	445	458	2025
5	Sathishkumar K.; Harishsenthil P.; Naidu S.M.; Srividhya B.; Guganathan L.; Batoo K.M.; Ijaz M.F.; Ramamoorthy M.; Ragupathy S.	Impact of metal doping and non metal loading on the photocatalytic degradation of organic pollutants using tin dioxide catalyst under sunlight irradiation	Journal of Molecular Structure	1321				2025
6	Baskar R.; Mohanraj E.; Saradha M.; Monika R.	Hybrid Prairie Dog and Dwarf Mongoose optimization algorithm-based application placement and resource scheduling technique for fog computing environment	Scientific Reports	15	1			2025
7	Rasu K.; Sundaram S.; Marimuthu R.; Muthusamy G.; Nagaprasad N.; Krishnaraj R.	Evaluation and analysis of delamination on drilled holes of industrial waste based novel agave sisalana/glass fiber reinforced hybrid composites	Scientific Reports	15	1			2025
8	Vasudevan D.; Gowtham K.; Cheran S.; Venkatesan M.; Dineshkumar P.; Karthikeyan A.	Fabrication of barium oxide nanoparticles as a promising thermal barrier coating for protecting corrosion in various metal surfaces	Journal of Ovonic Research	21	6	845	858	2025
9	Sujatha K.; Vijayagowri G.; Ponmagal R.S.; Bhavani N.P.G.	Automated Steel Surface Defect Detection using Optimized Cascaded CaffeNet region Network	Evergreen	12	2	1028	1040	2025
10	Babu M.S.; Saravanan K.; Vivek U.; Dinesh S.N.	Comparative Analysis of Nano-CPH Reinforced Brake Pad Composites: Mechanical, Tribological, and Morphological Investigations	Journal of Environmental Nanotechnology	14	3	635	647	2025

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Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 220

List of Scopus Indexed Journal Publications

Calendar year: 2025

11	Kalidas A.P.; Kathirselvam M.	Experimental investigation of polymer composites reinforced with nanocellulose fibers isolated from Eichhornia crassipes stems and Citrus grandis fruit peel biochar	Polymer Bulletin	82	8	3353	3373	2025
12	Ravi P.; Balasundaram J.K.; Chinnappan R.; Ramasamy S.	Comparative Analysis of Transfer Learning Models for Breast Cancer Detection: Leveraging Pre-Trained Networks for Enhanced Diagnostic Accuracy	Biomedical and Pharmacology Journal	18	2	1334	1343	2025
13	Soto-Bubert A.; Spinelli L.; Suarez C.; Rajendran S.; Acevedo R.	New model of brine viscosity in multicomponent systems, in the temperature range of 298.15 to 313.15 K	Chemical Thermodynamics and Thermal Analysis	19				2025
14	Karpagam M.; Velmurugan S.N.; Guttula R.; Kaur T.; Samsudeen S.; Sarumathi S.; Sharma P.C.	Leveraging transfer learning with LSTM Gans for adaptive traffic signal control	Discover Applied Sciences	7	11			2025
15	Mohanraj A.; Kumaravel A.; Rasagopal P.	Effect of TiB2 content on mechanical and tribological properties of stir-cast Al6082-TiB2-Gr-Mg hybrid composites	Materials Research Express	12	10			2025
16	Subramani K.; Ganeshan J.K.S.; Srinivasan S.; Mohanasundaram N.V.T.; Incharoensakdi A.	Hydrothermally and green synthesized TiO2 nanoparticles with high photocatalytic textile industry dye degradation, antibacterial and antioxidant activities	Journal of Alloys and Compounds	1017				2025
17	Yuldashev M.; Venkatachalam A.M.; Muthukumar; Hussein R.R.; Turdikhujaeva M.; Shodmonova D.; Sobirovich N.B.	Collaborative Filtering in Real-Time Library Catalog Recommendations	Indian Journal of Information Sources and Services	15	4	266	274	2025
18	Suburaayasaran A.S.; Dhanaseelan L.; Harish M.; Naveen P.	Fabrication of composite panel by using hemp/kenaf fibers and rPET	Asian Textile Journal	34	4	45	48	2025
19	Ayyar K.; Senthilkumar P.; Sivavadeivel K.; Karthikeyan J.; Sivasamy S.; Mayilesan V.; Balakrishnan R.	Rapid Physisorption of Cr(VI) Using Cassava Peel Biosorbents: Kinetics, Isotherm Analysis and Mechanistic Insights	Turkish Journal of Engineering	9	4	702	711	2025
20	Rajendran S.; Charbe N.B.; Amnerkar N.D.; Murugesan A.; Khadse S.C.; Palakurthi S.S.; Chava S.R.; Prabha K.; Acevedo R.	Comprehensive Impact of Eaton's Reagent in Organic Synthesis: An Overview	ChemistrySelect	10	28			2025

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(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 220

List of Scopus Indexed Journal Publications

Calendar year: 2025

21	Kannan P.; Surumbarkuzhali N.; Surendhiran S.; Naren Vidaarth T.M.; Sneha M.	Synergistic visible light driven and persistent photocatalytic activity of morphology engineered vanadium nanostructures	Journal of the Indian Chemical Society	102	12			2025
22	Ponnusamy R.; Arumugam S.T.; Saravanakumar S.S.; Senthamarakannan P.	Exploring the characteristics of Pithecellobium dulce cellulosic fruit peel fibers: a sustainable reinforcement for high-performance biocomposites	International Journal of Biological Macromolecules	316				2025
23	Revathi S.; Radhika A.; Riadhwein R.; Guttula R.; Anita Sofia Liz D.R.; Sarumathi S.	Retrieval of Multi-Layered Historical Data Using Temporal Indexing	Indian Journal of Information Sources and Services	15	4	183	191	2025
24	Murugesan M.; Al-Farouni M.; Manojkumar P.; George T.T.; Priya R.S.; Prasadh S.H.	Energy-Conscious Mobility Solutions for Drone-Based Internet Access	Journal of Internet Services and Information Security	15	3	653	670	2025
25	Muthulakshmi M.; Sudha A.P.; Surendhiran S.	Synthesis and characterisation of ZnS nanoparticles: a comprehensive study on phase transition and photocatalytic degradation kinetics	Journal of Materials Science: Materials in Electronics	36	27			2025
26	Duraisamy N.; Shenniagirivalasu Kandasamy K.; Dhandapani E.; Kandiah K.; Panchu S.J.; Swart H.C.	3D Porous Activated Carbon Network Derived from Luffa Sponge for Sustainable High-Performance Supercapacitors	ChemNanoMat	11	7			2025
27	Sasikumar M.; Seenivasan S.; Vijayakumar P.; Manikandan S.	Multi-Objective Energy Management in Microgrids with Hybrid Renewable Energy Sources and Battery Energy Storage Systems Using Hybrid Optimization Algorithm	Transactions on Electrical and Electronic Materials					2025
28	Selvaraj S.K.; Saravanan K.	Characterization and potential applications of Grewia hirsuta fibers: nature's own composite materials	Biomass Conversion and Biorefinery	15	4	5769	5777	2025
29	Jagan K.S.G.; Surendhiran S.; Savitha S.; Naren Vidaarth T.M.; Karthik A.; Lenin N.; Senthilmurugan R.	Hybrid NiO nano rods-quantum carbon dots composites as a novel corrosion protective coating on EN3 mild steel in the marine environment	Inorganic Chemistry Communications	175				2025
30	Vasudevan D.; Kumar D.S.; Venkatesan M.; Kumaravel A.; Dineshkumar P.; Sankar A.	Study of reduced graphene oxide-based nanofluids properties for heat transfer applications	Digest Journal of Nanomaterials and Biostructures	20	2	633	641	2025
31	Udaya Krithika S.M.; Mani K.; Karthikeyan M.R.; Karthikeyan G.; Bharathi C.M.	Investigating the use of envi-ronmentally friendly biocata-lysts in bio-softening of indigo dyed fabrics	Man-Made Textiles in India	53	12	470	476	2025

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 220

List of Scopus Indexed Journal Publications

Calendar year: 2025

32	Mullainathan S.; Natarajan R.	An SPSS and CNN modelling based quality assessment using ceramic materials and membrane filtration techniques	Revista Materia	30				2025
33	Akila R.; Merin J.B.; Mohameed H.; Muthusundari S.; Bhaviya S.S.; Elango M.K.	Unsupervised Text Summarization for Abstract-Based Retrieval	Indian Journal of Information Sources and Services	15	4	207	216	2025
34	Brinda B.M.; Rajan C.; Geetha K.	EnsembleNet: a novel deep ensemble learning model with GANBERT and BiLSTM for automated fake news detection	Knowledge and Information Systems	67	11	11015	11040	2025
35	Navaneethan D.; Krishna S.K.; Elumalai D.; Radhakrishnan S.; Kavitha K.	Activated carbon derived from wood-decaying fungi and their excellent electrochemical performance of organic electrolyte based coin-cell device	Diamond and Related Materials	157				2025
36	Samiyammal P.; Srividhya B.; Renukadevi S.; Senthil Kumar D.; Prabu P.; Mani D.; Ghfar A.; Ragupathy S.	Facile Synthesis of Tin-Doped Copper Oxide Loaded on Almond Shell Activated Carbon Composite for the Photodegradation of Organic Pollutants Under Sunlight	Luminescence	40	5			2025
37	M M.; Akila M.; B P.	A review of plant disease detection and classification methods	International Journal of Modelling and Simulation	45	3	1074	1090	2025
38	Selvaraj G.; Kuppusamy S.; Aswathanarayanan M.	Sustainable crop recommendation system using seasonally adaptive recursive spectral convolutional neural network for responsible agricultural production	Geomatics, Natural Hazards and Risk	16	1			2025
39	Premalatha C.; Gokarneshan N.; Kayalvizhi C.; Ratna U.; Padma B.; Hari Priya R.; Anton S.M.; Sasirekha R.; Shahanaz Z.; Lavanya J.; Sakthivel M.	A novel method to improve the appearance of muga silk	Man-Made Textiles in India	53	4	133	136	2025
40	Senthilvadivu K.; Eswaramoorthi S.; Loganathan K.; Alessa N.	Impact of Thermal Energy on Water and Ethylene Glycol (50:50)-Based Rotating Hybrid Nanofluid Past A Riga Surface with Radiation, Homogeneous and Heterogeneous Reactions	Nano	20	12			2025
41	Udayakumar R.; Sallaah M.H.; Lakshmi Narayanan K.; Rama Sree S.; Edwin Prabhakar P.B.; Chithra R.	Traffic Offloading Strategies Using Opportunistic Wireless Networks	Journal of Internet Services and Information Security	15	3	230	244	2025

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(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 220

List of Scopus Indexed Journal Publications

Calendar year: 2025

42	Vydehi P.; Ravindran G.; Shyamala G.; Ramesh S.	Aerobic granular sludge-based wastewater treatment: Current trends, formation, applications, granulation, efficiency, and bottlenecks	Journal of Water Process Engineering	70					2025
43	Dhesinghraj J.; Soundaryalakshmi K.; Geetharani S.; Hemalatha N.L.; Raja K.	Developing environmentally friendly products using natural and sustainable biomass	Asian Textile Journal	34	9	45	52		2025
44	Sentharamaikannan P.; Suyambulingam I.; Saravanakumar S.S.; Ismail S.O.; Siengchin S.	Extraction and characterization of Cayratia pedata (lam.) gagnep fiber	Cellulose	32	2	743	762		2025
45	Karthikeyan S.; Aruchamy K.; Jeyaprakasam S.; Muthu Pandian P.; Santosh P.V.C.R.K.; Palaniswamy D.; Gujar R.; Jagadeesan S.	Microforming for the production of microscale components: A study on the effect of forming dies in microextrusion of metals	Journal of Micromanufacturing						2025
46	Vignesh Raju R.; Jeeva N.; Hasan F.; Mlaiki N.; Swaminathan R.	Steady-State Concentration and Current in Enhanced Modeling of Nonlinear Reaction-Diffusion Equations in Different Enzyme Kinetics	International Journal of Analysis and Applications	23					2025
47	Satheeshkumar R.; Murugesan A.; Prabha K.; Prasad K.J.R.; Sayin K.; Acevedo R.	2-Acetyl quinoline analogues: Synthesis, ADME analysis and molecular docking studies	Indian Journal of Chemistry (IJC)	64		571	577		2025
48	Krishnan T.; Subramanian S.; Anguraj P.	Design of Floating-Point Adder Architecture with Multi-mode Capability	Circuits, Systems, and Signal Processing	44	12	9725	9738		2025
49	Selvakumar B.; Kumar M.M.; Raupova M.; Abduljaleel H.; Ismoilova I.; Murugesan A.	Integrating Blockchain with Information Governance in Academic Institutions	Indian Journal of Information Sources and Services	15	4	217	229		2025
50	Loganathan K.; Choudhary P.; Eswaramoorthi S.; Senthilvadivu K.; Thamaraiannan N.; Jain R.	Implications of entropy generation in bioconvective flow on Maxwell nanofluid past a Riga plate with Cattaneo-Christov model	Partial Differential Equations in Applied Mathematics	13					2025
51	Udayakumar R.; Lebaka S.; Pawase K.S.; Abduljaleel H.; Patil V.D.; Saravanakumar S.S.	Development of a Multiscale Computational Framework for Modelling Electromagnetic Wave Propagation in Heterogeneous Media	National Journal of Antennas and Propagation	7	2	224	233		2025
52	Senthilvadivu K.; Eswaramoorthi S.; Loganathan K.; Ali R.	Homogeneous-Heterogeneous reactions on Darcy-Forchheimer flow of SWCNTs/MWCNTs over a bidirectional Riga plate with nonlinear radiation and non-uniform heat source/sink	Modern Physics Letters B	39	16				2025

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 220

List of Scopus Indexed Journal Publications

Calendar year: 2025

53	Vijaya Sundravel K.; Ramesh S.; Vijaya Srinivasan K.	Bacillus subtilis–Based Self-Healing Concrete: Enhancing Durability and Predictability With Multiresolution Sinusoidal Neural Network	Structural Design of Tall and Special Buildings	34	16			2025
54	Ziyamukhamedov J.; Tangirov K.; Geetha B.G.; Ali H.M.; Suyarova N.; Ibrakhimova D.; Mirzarahimov B.	Machine Learning Models for Predicting User Information Needs	Indian Journal of Information Sources and Services	15	4	364	374	2025
55	Alimardanova R.; Jumanazarov U.; Poongodi K.; Balassem Z.A.; Musayeva N.; Matibaeva R.; Mamatjonovich M.M.	Data Lakes vs. Data Warehouses in Library Analytics: A Strategic Comparison	Indian Journal of Information Sources and Services	15	4	325	335	2025
56	Gowsikraja P.; Geetha K.; Rajan C.	SBERO: Skill AI-Biruni Earth Radius Optimization for Alzheimer's Disease Classification Using Magnetic Resonance Image	NMR in Biomedicine	38	3			2025
57	Mohamadabbas H.; Sreeja S.; Rajesh D.; Muhsen O.; Rajashanmugam K.; Madhavi S.; Ugli A.D.A.	Trust Management in Heterogeneous Ubiquitous Environments	Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications	16	3	560	576	2025
58	Karuppuchamy V.; Nallusamy C.; Sridhar S.R.; Azhagesan M.	Explainable Hybrid Artificial Intelligence Boosting–Shapley Framework for Cardiac Disease Diagnosis	Journal of Trends in Computer Science and Smart Technology	7	4	678	699	2025
59	Chabattula S.C.; Rai S.; Govarthanan K.; Balakrishnan K.; Sindhu C.V.S.; Sharma M.; Kesari K.K.; Gupta P.K.	Development of Phytocompounds Decorated Sustainable Aa-ZnO Nanoparticles Using Leaf Extract of Agave americana Plant for Anticancer Application	Waste and Biomass Valorization					2025
60	Siddharthan B.; Arul M.; Ganeshkumar A.; Saravanan G.; Kumaravel A.; Prakash P.	Experimental Investigation and Comparative Analysis of LM13 Hybrid Composite Reinforced with Zirconium Carbide and Carbon Short Fibres	Malaysian Journal of Chemistry	27	3	391	399	2025
61	Rathinavel S.; Saravanakumar S.S.; Prithviraj M.; Dhanamurugan A.; Karthikeyan J.; Banu T.; Selvapreethi G.	Examining the Potential for Employing Biowaste Prosopis juliflora Bark as an Additive in Particulate-Reinforced Polymer Based Composite Materials	Waste and Biomass Valorization	16	3	1073	1083	2025
62	Subramani S.R.S.; Rangaswamy B.	Data-Driven Deep Learning Algorithm for Harmonics and Interharmonics Flicker Prediction and Mitigation in the Smart Grid System	International Transactions on Electrical Energy Systems	2025	1			2025

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(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 220

List of Scopus Indexed Journal Publications

Calendar year: 2025

63	K K.; S C.; K.S.G. J.; S S.; T.M. N.V.; S K.; K K.; Yong J.W.H.; V V.	Evaluation of biogenic zinc oxide nanoparticles from Sonneratia ovata leaf extract for multivariate factorial photocatalytic and biological activities	Biocatalysis and Agricultural Biotechnology	69				2025
64	Ragupathy S.; Srividhya B.; Durai M.; Kumar D.S.; Erusappan E.; Afzal M.; Durai M.; Yadav A.K.; Ahn Y.H.	Preparation and Characterization of an Activated Carbon-Derived from Almond Shell for the Removal of Rhodamine B Dye: Kinetics, Isotherm, and Thermodynamics Analysis	ChemistrySelect	10	32			2025
65	Senthilvadivu K.; Eswaramoorthi S.; Loganathan K.; Thameem Basha H.	Numerical tackling for MHD Darcy-Forchheimer flow of water-based CNTs in a rotating frame with homogeneous-heterogeneous reactions: An artificial neural network approach	Numerical Heat Transfer, Part B: Fundamentals	86	12	4073	4093	2025
66	Srividhya B.; Subramanian R.; Raj V.	Green and black tea infusion-mediated synthesis of silver nanoparticles and their antibacterial and antifungal activities	Nanofabrication	10				2025
67	Madhaiyan R.; Vijayaraghavan D.; Shankar S.; Seeman U.; Ibrahim N.M.M.; Chinnusamy S.	Fabrication of spinel NiCo2O4 nanoflowers by simple hydrothermal method for effective electrochemical detection of NO2- in processed food sample	Food Chemistry	480				2025
68	Mhsnhasan M.; Selvaraj V.; Victor M.; Vijayakumar M.; Kannan A.S.; Anand U.	Leveraging AI And Blockchain for Secure Digital Right Management in Libraries	Indian Journal of Information Sources and Services	15	3	257	265	2025
69	Nagaraj A.; Gopalakrishnan S.; Shivalingappa D.; Jayaseelan V.	Optimizing Tribological Characteristics in Magnesium–Aluminum–Silicon Alloys through the Application of the Taguchi Method and Artificial Neural Network	Journal of Materials Engineering and Performance					2025
70	Shyamalagowri M.; Hussaini M.M.; Moulee K.P.; Rajavenkatesan T.; Anbarasu L.; Chandramohan J.	Dual-axis Solar Tracker with PID Control and LoRa-based Environmental Sensing for Improved Solar Energy Output	Journal of Environmental Nanotechnology	14	2	494	501	2025
71	SenthamaraiKannan P.; Saravanakumar S.S.; Kanagaraj A.; Suyambulingam I.; Chaudhary V.	A comprehensive review of the characterization of raw and surface-modified cellulosic plant fibers and their polyester- and epoxy-based composites	International Journal of Biological Macromolecules	318				2025
72	Mythili J.; Gopalakrishnan R.	Improving data transmission through optimizing blockchain sharding in cloud IoT based healthcare applications	Egyptian Informatics Journal	30				2025

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 220

List of Scopus Indexed Journal Publications

Calendar year: 2025

73	Prasath B.; Akila M.; Mohan M.	A Comprehensive Survey on IoT-Aided Pest Detection and Classification in Agriculture Using Different Image Processing Techniques	International Journal of Image and Graphics	25	4			2025
74	Mohan G.; Meenachi S.; Kiruthika K.; Kirthiga D.	Unveiling Optimal Conditions for Phenol Degradation: Response Surface Methodology and ANOVA Analysis of ZnO and Ag-Doped ZnO Photocatalysts	Nature Environment and Pollution Technology	24		293	303	2025
75	Duraisamy N.; Krishna S.K.; Dhandapani E.; Kandiah K.	A Review on Biomass-Derived Activated Carbon for Next-Generation Supercapacitors: Cutting-Edge Advances and Future Prospects	Energy and Fuels	39	5	2306	2347	2025
76	Geetha N.; Selvi P.; Vanchinathan S.; Mohan K.S.; Srinivasan P.; Muthu Krishnan M.	Optimizing degradation parameters for enhanced textile industrial pollutant removal with SnO₂ nanoparticles: A green approach with antimicrobial and antioxidant efficacy	Journal of the Indian Chemical Society	102	9			2025
77	Sekar M.; Balakrishnan V.; Rajavelu V.; Parthiban M.	Investigation of the Thermal Stability of High Energy Ball Milled SiC Nanoparticles Using Thermogravimetric and Differential Thermal Analysis	Periodica Polytechnica Chemical Engineering	69	2	163	172	2025
78	Sathiya S.; Durairaj S.; Seenivasan S.; Sasikumar M.	Design and electrochemical studies of V₂O₅/ZnO nanocomposite electrodes for energy storage applications	Ionics	31	11	11643	11658	2025
79	Govindasamy A.; Ponnusamy P.; Prabhu P.; Ramesh S.M.	Deep Lichen-Net: Deep learning based automatic classification and segmentation of Lichens in Western Ghats, India: [Deep Lichen-Net: Clasificación y segmentación automática de líquenes en los Ghats occidentales de India basada en aprendizaje profundo]	Boletín Latinoamericano y del Caribe de Plantas Medicinales y Aromáticas	24	3	328	344	2025
80	Hossain R.R.; Saranya C.; Ahmed A.H.; Muhsen O.; Saritha G.; Abdulakhadova S.	Comparative Analysis of Throughput in Wireless Mesh and Cellular Networks	Journal of Internet Services and Information Security	15	4	459	472	2025
81	Ramya R.; Kumar P.; Dhanasekaran D.; Kumar R.S.; Sharavan S.A.	A review of quantum communication and information networks with advanced cryptographic applications using machine learning, deep learning techniques	Franklin Open	10				2025

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 220

List of Scopus Indexed Journal Publications

Calendar year: 2025

82	Mohanasundaram V.; Rangaswamy B.	Elastic net with Bayesian Density Estimation model for feature selection for photovoltaic energy prediction	Scientific Reports	15	1			2025
83	Udayakumar R.; Kumar P.; John E.P.; Muhamedale H.; Bakhromjanovna M.Z.; Ramya R.	Smart Surveillance and Security Systems in Library Information Management	Indian Journal of Information Sources and Services	15	4	247	257	2025
84	Anbazhagan T.; Rangaswamy B.	Early prediction of CKD from time series data using adaptive PSO optimized echo state networks	Scientific Reports	15	1			2025
85	Naren Vidaarth T.M.; Surendhiran S.; Savitha S.; Jagan K.S.G.; Swetha S.; Kathirselvam M.; Mohanraj R.; Karthik A.	Green mediated CuO nanorod–NiO nanosphere composite for enhanced photocatalytic degradation in industrial dyes and antibacterial performance	Journal of Alloys and Compounds Communications	8				2025
86	Baskaran S.; Senthilvadivu K.; Chellapriya K.; Loganathan K.; Nasir S.; Berrouk A.; Sowrirajan R.	Magneto-thermal analysis of tri-hybrid blood-based nanofluid flow at a stagnation point over a stretching cylinder under Joule heating	International Journal of Thermofluids	30				2025
87	Varadharajan V.; Balu A.K.; Sinclair B.J.; Perinbarajan G.K.; Jenifer A D.; Ganesan Sudha H.; Ramaswamy A.; Venkidasamy B.; Thiruvengadam M.	Comprehensive analysis of Syzygium cumini L. pomace extract as an α-amylase inhibitor: In vitro inhibition, kinetics, and computational studies	Bioorganic Chemistry	161				2025
88	Murugesan V.; Rajendran M.; Pattusamy L.; Natarajan S.	Enhancing corrosion resistance in concrete structures using Euphorbia Tortilis cactus extract by non-destructive testing; [POVEĆANJE OTPORNOSTI NA KOROZIJU U BETONSKIM KONSTRUKCIJAMA KORIŠĆENJEM EKSTRAKTA KAKTUSA Euphorbia Tortilis ISPITIVANJEM BEZ RAZARANJA]	Materials Protection	66	3	563	574	2025
89	Chandra K.E.; Naji S.; Yousif W.A.; Balassem Z.A.; Hawas J.N.; Dusi P.	Interference Mitigation Strategies For Low-Frequency Radio Astronomy In Space-Based Observatories	National Journal of Antennas and Propagation	7	2	200	208	2025
90	Savitha S.; Surendhiran S.; Jagan K.S.G.; Naren Vidaarth T.M.; Prabhakaran M.; Gopalakrishnan R.; Karthik A.	Fabrication of phytochemical enriched ZnO grafted on few-layered graphene sheets and evaluation of biological and catalytic activity for degradation of medical effluents	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	341				2025
91	Satheeshkumar D.; Saravanan K.; Karthikeyan G.; Prakash C.	Thermal comfort properties of banana/bamboo blended fabrics	Indian Journal of Fibre and Textile Research	50	1	48	52	2025

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 220

List of Scopus Indexed Journal Publications

Calendar year: 2025

92	Karpagam M.; Sarumathi S.; Maheshwari A.; Vijayalakshmi K.; Jagadeesh K.; Bereznychenko V.; Narayanamoorthi R.	An effective PO-RSNN and FZCIS based diabetes prediction and stroke analysis in the metaverse environment	Scientific Reports	15	1			2025
93	Subramani K.; Tamilselvi Mohanasundaram N.V.; Srinivasan S.; Krishnaveni Selva Ganeshan J.; Incharoensakdi A.	Microalgae-based bio-fabrication using zinc oxide-chitosan nanocomposite for industrial effluent degradation and pollutant reduction	International Journal of Biological Macromolecules	319				2025
94	Gokulavani P.; Muthukumar S.; Sureshkumar S.; Muthamilselvan M.; Al-Mdallal Q.M.	Computational analysis of MHD flow in a porous open chamber filled with hybrid nanofluid and vertical heat sources	Journal of Thermal Analysis and Calorimetry	150	5	3621	3636	2025
95	Aruna V.; Hussein L.; Hemalatha D.; Sree S.R.; Santhi G.B.; Poonkuzhali R.	Compressed Data Representation Methods for High-Speed Search	Indian Journal of Information Sources and Services	15	4	169	176	2025
96	Pratheesh K.; Kaliappan S.; Natrayan L.; Arthanarieswaran V.P.	Dry and wet sliding, fatigue, creep and mechanical properties of AA-7475 metal matrix composite reinforced with Si2N2O from rice husk ash	Journal of the Australian Ceramic Society	61	3	1069	1080	2025
97	Juliet Sheela K.; Vasudevan V.; Vanchinathan S.; Suthanthira Kumar P.; Maheswari N.; Muruganandan T.	EPR spectral investigations of semi organic single crystal of VO2+ doped calcium5-sulphosalicylate	Applied Physics A: Materials Science and Processing	131	11			2025
98	Palanisamy S.; Palanisami K.; Madeshwaren V.	Nano iron particles influence on mechanical properties and morphological analysis of polymer composites	Revista Materia	30				2025
99	Abas H.M.; Karpagham C.; Muhsen O.; Suvarnalakshmi K.; Devi M.; Rajasekaran C.	Internet Weather Maps: Visualizing Global Performance Fluctuations	Journal of Internet Services and Information Security	15	4	528	538	2025
100	Krishnaraj N.; Elangovan M.	Beetle Swarm-based Multi Verse Optimization for the Autism Spectrum Disorder Detection via EEG Signal Analysis: A Novel Hybrid Deep Learning Concept	Control Engineering and Applied Informatics	27	3	41	51	2025
101	Dineshkumar P.; Geetha K.; Rajan C.	Coverage Optimization and Prediction in Wireless Sensor Network Based on Enhanced Decisive Red Fox Black-Winged Kite With Multistrategies	International Journal of Communication Systems	38	13			2025

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 220

List of Scopus Indexed Journal Publications

Calendar year: 2025

102	Anand J.; Kalaivani M.; Ganesan A.; Sallaah M.H.; Subburam S.; Vijayakumar M.	AI-Powered Chatbots for Proactive Information Service Management	Indian Journal of Information Sources and Services	15	4	236	246	2025
103	Dhandapani E.; Kandiah K.; Arumugam G.; Rajendran R.; Duraisamy N.	Hierarchically porous activated carbon electrodes synthesized from expired tablets for high-performance supercapacitor and photocatalysis application	Journal of Materials Science: Materials in Electronics	36	10			2025
104	Siddaiyan J.; Ponnusamy K.; Lakshmanan M.	Advancements in Traffic Sign Recognition for Autonomous Vehicles Using DCGAIN and Template Matching	Journal of Transportation Engineering Part A: Systems	151	12			2025
105	Loganathan K.; Choudhary P.; Eswaramoorthi S.; Senthilvadivu K.; Jain R.	Irreversibility analysis of bioconvective Walters' B nanofluid flow over an electromagnetic actuator with Cattaneo-Christov model	Discover Applied Sciences	7	5			2025
106	Santhoshkumar K.S.; Vanitha V.; Jasim L.H.; Latheef M.M.A.; Subburam S.; Arthanarieswaran V.P.	Ultra-Reliable Low Latency Wireless Systems for Industrial IoT	Journal of Internet Services and Information Security	15	3	160	173	2025
107	Selvaraj R.C.A.; Kanagaraj A.; Karuppiah P.; Ravindran S.; Raj M.M.; Senthamarai Kannan P.; Suyambulingam I.	Leveraging citrus extract to enhance antioxidant properties of mung bean (Vigna radiata) protein edible films	Biomass Conversion and Biorefinery	15	18	25007	25022	2025
108	Soto-Bubert A.; Bhardwaj R.; Rajendran S.; Acevedo R.	Viscosity modelling of chlorinated brines in three-component systems with a continuously variable temperature range between 293-323 K	Chemical Thermodynamics and Thermal Analysis	18				2025
109	Dhanalakshmi R.; Jeeva N.; Dharmalingam K.M.; Kekana M.C.	Green Synthesis of Silver Nanoparticles with Musa Acuminata Flower Extraction: A Fractional Approach	European Journal of Pure and Applied Mathematics	18	3			2025
110	Nallusamy C.; Uma S.; Selvakumar T.; Kumaravel T.	Star Topology-Aware CH Selection and Geographic Routing Using Group Search Chronological Optimizer in MANET	International Journal of Communication Systems	38	7			2025
111	Riadhusin R.; Ahmed A.H.; Rajan P.; Mathew R.; Sivasankari S.S.; Subalaxmi T.; Kizi A.Z.I.	Federated Learning for Privacy-Aware Ubiquitous Applications	Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications	16	3	319	333	2025
112	Uthirasamy N.; Radhakrishnan B.; Tamilvanan K.; Jayaraman U.; Kabeto M.J.	New Common Fixed Point Results in Ultrametric Spaces Utilizing Various Contractions and Their Applications to Integral Equations	Journal of Mathematics	2025	1			2025

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 220

List of Scopus Indexed Journal Publications

Calendar year: 2025

113	P V.; K S.; R S.; S G.	Dynamic network slicing based resource management and service aware Virtual Network Function (VNF) migration in 5G networks	Computer Networks	259				2025
114	Venkatesan A.; Srividhya B.; Alajmi A.; Sadeq A.M.; Chava R.K.; Habila M.A.; Senthil Kumar D.; Guganathan L.; Ragupathy S.	High adsorption capacities of rhodamine B dye by activated carbon synthesized from cotton stalks agricultural waste by chemical activation	Ceramics International	51	10	13345	13354	2025
115	Periasamy P.; Kamala S.P.; Devarajan V.P.; Krishnakumar T.; Sakthivel P.	Synergistic ultrasound and microwave synthesis of WO₃ nanostructures for dielectric and supercapacitor performance	Nano-Structures and Nano-Objects	43				2025
116	Chithra R.; Sarumathiy C.K.; Padma E.; Arulkumar R.	An energy aware cluster inspired routing protocol using multi strategy improved crayfish optimization algorithm for guaranteeing green communication in IoT	Scientific Reports	15	1			2025
117	Usmanova S.; Palaniappan A.; Sathiyamurthy A.; Abbas H.M.; Fayzullaev K.; Rustamiy S.; Sayfullaev D.	Cross-Lingual Information Processing in Indigenous Language Archives	Indian Journal of Information Sources and Services	15	4	292	301	2025
118	Mohanasundaram V.; Rangaswamy B.	Photovoltaic solar energy prediction using the seasonal-trend decomposition layer and ASOA optimized LSTM neural network model	Scientific Reports	15	1			2025
119	Salami Z.A.; Sadasivam V.R.; Aqeel A.; Guttula R.; Gnanaoli P.; Gafurov I.	Monitoring Anomalous Traffic Behavior Using Active Probing Methods	Journal of Internet Services and Information Security	15	4	254	264	2025
120	Ochildiyeva D.; Rajasekar S.I.; Rajesh K.; Alabdeli H.M.; Rasulov N.; Mukhitdinov O.	Cognitive Radio Networks for Opportunistic Spectrum Use in Internet Delivery	Journal of Internet Services and Information Security	15	4	345	359	2025
121	Rajendran S.; Murugesan A.; Ramasamy S.	A Regioselective Multicomponent Approach for the Synthesis of Novel 2-Acetyl-4-phenylquinoline Designed Monospiro-Pyrrolidine and Thiapyrrolizidine Hybrids	Heteroatom Chemistry	2025	1			2025
122	kalpana J.; Anithadevi R.; Satheeskumar S.; Sangeetha P.	A novel phytosynthesized Zr doped SnO₂ nanocomposite for textile effluent purification and in-vitro biological activities	Journal of the Indian Chemical Society	102	6			2025

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 220

List of Scopus Indexed Journal Publications

Calendar year: 2025

123	Begum A.H.; Savitha S.; Vidaarth T.M.N.; Jagan K.S.G.; Surendhiran S.; Karthik A.; Kalpana B.	Design and optimization of Ag decorated MgO nanosphere catalyst for efficient removal of textile industry pollutants and their biological applications	Journal of the Indian Chemical Society	102	2			2025
124	Aravindan P.; Mariappane E.; Sathiyasekar K.	AI-Optimized Design Automation and Quantum-Inspired Secure VLSI Architectures for Edge and Autonomous Computing	Journal of VLSI Circuits and Systems	7	2	60	67	2025
125	Lakshmi Narayanan K.; Rao S.L.A.; Abduljaleel H.; Patil J.S.; Saravanan T.; Senthil Raja P.	Self-Organizing Wireless Mesh Networks for Community Internet Sharing	Journal of Internet Services and Information Security	15	4	678	692	2025
126	Muthukumarasamy K.; Kanagarajan B.; Jayachandrabal B.M.; Arul Selvaraj R.C.; Arunprasath K.; Senthamaraikannan P.	Development of packaging films from banana pseudostem sap and PVDF: mechanical and thermal properties	Biomass Conversion and Biorefinery	15	24	31121	31132	2025
127	Gomathi S.; Mohammed A.; Yousif W.A.; Ali H.M.; Hawas J.N.; Yadav P.	Modelling Electromagnetic Wave Attenuation in Plasma Media for Space Weather Prediction	National Journal of Antennas and Propagation	7	3	81	89	2025
128	Mohammed H.F.; Manoj G.; Neppolian K.; Rinil K.R.; Surendiran J.; Sakthivel K.; Nazirbek A.	AR-Enabled Interaction Frameworks for Ubiquitous Learning	Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications	16	3	489	503	2025
129	Kala N.; Saranyan R.; Jayachandran D.; Gnanamangai B.M.; Prasad H.	Therapeutic potential of curry leaf hexane extract: Antibacterial, anticollagenase, and anti-inflammatory effects linked to humulene via GC-MS and in silico analysis	Medicinal Plants	17	4	771	782	2025
130	Saparova Z.; Revathi R.; Karthik K.; Husain S.O.; Ramatov J.; Sapaev I.	Context-Aware Wifi Offloading in Congested Public Areas	Journal of Internet Services and Information Security	15	4	330	344	2025
131	Jesuraj J.P.; Kumaravel A.	Mechanical and wear behaviour of hybrid AA8011 metal matrix composite reinforced with aluminum silicate and titanium dioxide	Materialpruefung/Materials Testing	67	6	1056	1068	2025
132	Fay F.; Praveenraj D.D.W.; Muhamedale H.; Subramani K.; Anita Sofia Liz D.R.; Nithya J.	Enhancing Personalization in Search Engines Through Behavioral Profiling	Indian Journal of Information Sources and Services	15	4	192	200	2025
133	Sundara Balamurugan P.; Sabaria S.; Abbas H.M.; Divya B.; Edwin Prabhakar P.B.; Vijaya Gowri G.	Software-Defined Mobility Management in Future Core Networks	Journal of Internet Services and Information Security	15	3	257	271	2025
134	Fallah M.; Natarajan G.; Ayad H.; Selvamalar N.; Visalaxi G.; Ganieva K.	Large-Scale IP Geolocation Accuracy Assessment Using Measurement Datasets	Journal of Internet Services and Information Security	15	4	554	564	2025

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 220

List of Scopus Indexed Journal Publications

Calendar year: 2025

135	Dineshkumar P.; Geetha K.; Rajan C.	An Energy-Aware Sleep Scheduling Coverage Protocol for Wireless Sensor Network	Journal of Circuits, Systems and Computers	34	14			2025
136	Preetha P.; Salami Z.A.; Sabaria S.; Divya B.; Seethalakshmi S.; Sangeetha M.	Secure Authentication Protocols for High-Mobility Environments	Journal of Internet Services and Information Security	15	3	329	343	2025
137	Baskar R.; Mohanraj E.	Hybrid multi objective marine predators algorithm based clustering for lightweight resource scheduling and application placement in fog	Scientific Reports	15	1			2025
138	Sukumar N.; Poongodi G.R.; Kalaiarasi H.; Senthamaraiakannan P.; Kumar R.	X-Ray Diffraction Studies of the Microstructure of Fibers and Properties of Hot Stretch Mercerized and Strain Hardened Ring and Compact Cotton Yarns	Journal of Natural Fibers	22	1			2025
139	Bo'tayeva N.; Mirazimova G.; Rajan C.; Abbas H.M.; Abdullaev A.; Mustafaeva S.; Khomitov R.	AI-Enabled Sentiment Analysis for Strategic Content Curation	Indian Journal of Information Sources and Services	15	4	383	392	2025
140	Sowndharya R.; Ahmed A.H.; Riadhusin R.; Satyanarayana V.; Brintha Rajakumari S.; Kumar P.	Application-Aware Handover Decisions in 5G and Beyond	Journal of Internet Services and Information Security	15	3	32	49	2025
141	Balamurugan A.; Suresh K.C.; Jagan K.S.G.; Sivagurunathan G.S.; Marnadu R.; Naren Vidadarth T.M.; Surendhiran S.; Khadar Y.A.S.	Detoxification of textile industry effluents using SnO2/carbon dots nanocomposites synthesized by green fabrication using Moringa leaves extract	Journal of Materials Science: Materials in Electronics	36	18			2025
142	Anithadevi R.; Parkavi R.; Madhan D.; Satheeskumar S.	Facile and environmentally benign synthesis of SnO2 NPs for Biological and toxic dye degradation applications	Journal of the Indian Chemical Society	102	12			2025
143	Thangavel P.; Bari J.A.; Kumar D.R.; Wipulanusat W.; Doh J.-H.	Experimental and numerical investigation of the axial performance of GFRP-strengthened concrete columns incorporating red mud and quarry dust as sustainable cement and fine aggregate replacements	Results in Engineering	27				2025
144	Sukantha T.A.; Renuka P.; Sivakumar V.; Meenachi S.; Kandasamy S.	Dye disappearing act: unveiling the mystique of Acid Violet 4BS adsorption with Xanthium strumarium-derived activated carbon	Biomass Conversion and Biorefinery	15	7	10165	10181	2025

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 220

List of Scopus Indexed Journal Publications

Calendar year: 2025

145	Arunvivek G.K.; Logeshkumar M.; Eucharist A.T.; Bari J.A.	Eco-Sustainable Use of Treated Textile Industry Effluent in Concrete Using Eichhornia Crassipes Ash as Bio-Adsorbent	Global Nest Journal	27	8			2025
146	Surendhiran S.; Savitha S.; Karthik A.; Sruthi N.; Balu K.S.; Jagan K.S.G.; Naren Vidaarth T.M.	Bio electrochemical and in-vitro bioactivity evaluation of Araucaria columnaris interceded α-MoO₃ nano rods fused chitosan-sodium alginate scaffold for tissue engineering applications	Journal of Molecular Structure	1328				2025
147	Senthil Kumar M.S.; Vignesh R.; Sampath Kumar L.; Raja K.	Impact of Nanoclay on the Mechanical and Structural Properties of Alkali-treated Abutilon indicum Fiber-reinforced Epoxy Nanocomposites	Journal of Environmental Nanotechnology	14	2	541	550	2025
148	Prabha K.; Rajendran S.; Tüzün G.; Saravana Mani K.; Sayin K.	CuI/PPA-Catalyzed Synthesis of Novel Sulfur-Containing Quinoline Isosteres: In Silico and DFT Analyses	Heteroatom Chemistry	2025	1			2025
149	Sukumar N.; Sowndharya P.R.; Kumar P.A.; Sharan J.	Dimensional Properties of 3D-Woven Reinforced Composites for Light Weight Helmet-A Review	Journal of the Textile Association	86	2	146	154	2025
150	Vanchinathan S.; Gnanavel B.; Vijayakumar R.	Effect of Sm³⁺ Co-doping on structural and photoluminescence properties of NaBaB₉O₁₅: Dy³⁺ phosphors for W-LEDs application	Journal of Materials Science: Materials in Electronics	36	21			2025
151	Shilpa; Mehta R.; Senthilvadiyu K.	Artificial neural network analysis on heat and mass transfer in MHD Carreau ternary hybrid nanofluid flow across a vertical cylinder: A numerical computation	International Journal of Thermofluids	27				2025
152	Naren Vidaarth T.M.; Surendhiran S.; Jagan K.S.G.; Savitha S.; Gopalakrishnan R.; Karthik A.	Hybridisation of bio-synthesised Bi₂O₃ nano flower and GCN nanotubes: Investigation of supercapacitor electrode and photocatalytic dye degradation properties	Surfaces and Interfaces	73				2025
153	Ramasamy M.; Elangovan M.	Development of optimized cascaded LSTM with Seq2seqNet and transformer net for aspect-based sentiment analysis framework	Web Intelligence	23	3	295	318	2025
154	Kartheeswari C.; Vignesh Raju R.; Jeeva N.; Swaminathan R.	Mathematical analysis of Xylene kinetics in Scoria biofilters during the biofilm phase	Nonlinear Studies	32	4	1309	1319	2025
155	Babu P.; Kadhim A.J.; Abdusamatov M.; Alabdeli H.M.; Sapaev I.; Kadirov I.	Invasion Pathway Simulation of Extraterrestrial Microbes Using Cellular Automata Models	Natural and Engineering Sciences	10	3	505	515	2025

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 220

List of Scopus Indexed Journal Publications

Calendar year: 2025

156	Anithadevi R.; Kannan J.C.; Sangeetha P.; Thirumoorthy M.; Panneerselvam A.; Baranidharan T.; Periasamy P.; Satheeskumar S.	Biomolecule encapsulated Ni-doped ZnO quantum dots: A sustainable nanomaterials for antibacterial applications	Materials Chemistry and Physics	346					2025
157	Sundaram M.; Palanisamy S.; Justin L.; Rajendran P.	Biosynthesized Silver Nanoparticle-Infused Microcrystalline Cellulose Film for Antibacterial Food Packaging	ChemistrySelect	10	16				2025
158	Sivashankar N.; Santhanam K.; Prasad S.; Jawahar M.; Thanigaivelan R.	Electrochemical micromachining of galvanized iron sheets: process optimization and performance evaluation	Journal of Electrochemical Science and Engineering	15	6				2025
159	Kumar P.S.; Kiruthika S.; Sakthivel P.; Vasudevan V.; Ramachandran K.; Jeyaraj W.	ZIF-7@sodium alginate-derived porous carbon: a sustainable and efficient material for ultrasensitive monitoring of Rhodamine B	Ionics	31	9	9773	9784		2025
160	Ramamoorthy S.; Kumar D.S.; Shaik U.P.; Surendhiran S.; Babu B.V.	Unveiling the role of Corallocarpus epigeous leaf extract on electrochemical properties of CoWO4 for supercapacitor applications	Chemical Physics Impact	11					2025
161	Bisht D.; Sharma D.; Chauhan S.; Singh S.; Prabhu P.; Gupta P.K.	Exploring gedunin's potential in cancer therapy: current advances and future perspectives	Proceedings of the Indian National Science Academy	91	4	1120	1130		2025
162	Babu K.; Mohammed M.; Fallah M.; Vichitra R.; Ahila R.; Radhamani R.	Performance Evaluation of Hybrid Lifi-Wifi Internet Systems	Journal of Internet Services and Information Security	15	4	633	646		2025
163	Rajagopal D.; Kumaravel A.; Senthilkumar D.; Balashree P.; Maruthamuthu V.; Mirdhun S.	Transient response of layered and multiphase piezo electric/magnetic beams subjected to thermal loading	Journal of Ceramic Processing Research	26	2	267	279		2025
164	Khader S.Z.A.; Syed Zameer Ahmed S.; SyedAmeen S.T.; Chinnaperumal K.	Modulation of Proinflammatory Cytokines by Parmotrema reticulatum Derived Dioxepine Derivative and Benzoic Methyl Ester in Adjuvant-Induced Arthritis	Chemistry and Biodiversity	22	4				2025
165	Loganathan K.; Divya S.; Eswaramoorthi S.; Dharani K.; Senthilvadivu K.; Jain R.	Computational analysis of Darcy-Forchheimer fluid flow in rotating frame with nonlinear radiation and activation energy	International Journal of Thermofluids	26					2025
166	Eswaramoorthi S.; Loganathan K.; Choudhary P.; Senthilvadivu K.; Ahlawat A.; Sivakumar M.	Computational analysis of sutterby nanofluid with heat and mass convective conditions: a comparative study of Riga plate and stationary plate	Discover Applied Sciences	7	3				2025

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 220

List of Scopus Indexed Journal Publications

Calendar year: 2025

167	Jeeva N.	Modeling the impact of rumor spreading in SEIR framework	Nonlinear Studies	33	1	315	325	2025
168	Kalpna Devi S.; Vijaya Gowri G.; Thenmalar K.; Umadevi K.	Robust Energy Management Strategy for Fuel Cell Hybrid Electric Vehicles Based on the RPO-DTRN Framework	IETE Journal of Research	71	10	3550	3559	2025
169	Pownraj C.; Karthik A.; Prabhu B.; Suresh S.; Yatish K.V.; Katiyar J.K.; Valan Arasu A.	Effect of Cu MOF based functional catalysts on cracking and adsorption of bio-oil compounds via thermo-catalytic pyrolysis: A net zero emission scenario	Fuel	383				2025
170	Raja S.; Ravindran D.; Hasan M.M.; Mantha S.; Saravanan T.; Indumathi V.	Channel Modeling for Internet Services in High-Rise Urban Areas	Journal of Internet Services and Information Security	15	3	704	717	2025
171	Madhavi S.; Praveen R.; Jagatheswari S.; Nivitha K.	Hybrid ELECTRE and bipolar fuzzy PROMOTHEE-based packet dropping malicious node mitigation technique for improving QoS in WSNs	International Journal of Communication Systems	38	2			2025
172	Nandagopal K.R.; Abu S.M.A.; Hari P.S.; Mohammed J.P.P.	IOT-Based Thermal Insulation Testing System for Textile Reinforced Composites	Journal of the Textile Association	86	2	161	167	2025
173	Kumar D.P.; Saravanakumar S.S.; Prithviraj M.; Murugan R.	Performance Evaluation of Eco-Friendly Biocomposite Films Prepared on PLA and China Root Powder	Waste and Biomass Valorization	16	10	5713	5725	2025
174	Isa R.S.; Jeeva N.; Sattar S.; Raza A.; Kekana M.C.; Fadugba S.E.	Mathematical analysis of COVID-19 dynamics with undetected asymptomatic cases and re-Infection	Mathematics in Engineering, Science and Aerospace	16	4	1355	1383	2025
175	Dineshkumar P.; Geetha K.; Rajan C.	Proactive Resilient Adaptive Sensor Node Management with Neuro-Symbolic Systems for Optimized Coverage Efficiency in the Mission-Critical Applications	ECS Journal of Solid State Science and Technology	14	1			2025
176	Aravindh S.; Shyamalagowri M.; Karthika J.; Rajan C.	Causal Neuromorphic Graph Learning with Physics-Informed Micro-Twins for Explainable Wind Turbine Fault Diagnosis	SSRG International Journal of Electrical and Electronics Engineering	12	12	140	150	2025
177	Rabbimov M.; Madeswaran A.; Mohammed H.F.; Kavitha B.V.; Aravindh S.; Sasikumar M.	Modeling User Movement Patterns for Enhanced Internet Experience	Journal of Internet Services and Information Security	15	4	155	168	2025

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 220

List of Scopus Indexed Journal Publications

Calendar year: 2025

178	Vidya S.; Gopalakrishnan R.	Dynamic task offloading in edge computing for computer access point selection based on adaptive deep reinforcement learning with meta-heuristic optimization	Applied Soft Computing	176				2025
179	Muthusamy G.; Sellappan J.; Rasu K.; Murugesan V.	Tribo-mechanical behavior of pectin-filled aloe vera fiber-reinforced polyester composites	Materialpruefung/Materials Testing	67	9	1568	1576	2025
180	Kandiah K.; Negara W.; Arumugam P.; Subramaniam R.T.; Handayani M.; Kamaraj C.	Efficacy of Streptomyces achromogenes MAA01-influenced hydroxyapatite/graphene oxide nanocomposites for bone ossification	3 Biotech	15	9			2025
181	Udayakumar R.; Alhassan Z.A.A.; Jayanthi K.B.; Husain S.O.; Shavkidinova D.; Kadirov I.	Forecasting Disease Outbreaks in Shrimp Aquaculture Using LSTM Deep Learning Models	Natural and Engineering Sciences	10	3	371	381	2025
182	Kandasamy Y.; Kumarasamy V.; Thirumoorthy P.; Murugan S.; Subramani R.	Mechanical, Mineralogical and Durability Properties of Pulverized Pond Ash Based Concrete	Medziagotyra	31	1	108	114	2025
183	Chakole N.; Remamany K.P.; Mohan G.; Sasirekha P.; Kumar N.M.G.; Ramesh Kumar C.; Shunmugasundaram M.; Alagarsamy M.; Ganthia B.P.	Optimal Energy Management for Hybrid PV-Wind-Battery Microgrids through Markov Decision Processes Technique	International Journal of Smart Grid	9	3	127	145	2025
184	Gokulavani P.; Sureshkumar S.; Muthukumar S.; Muthamilselvan M.; Al-Mdallal Q.M.	Optimizing thermal performance in a non-Darcy porous ventilated cavity with heated diagonal baffles of varied heights	International Journal of Modern Physics C	36	9			2025
185	Senthilraja S.; Çolak A.B.; Gangadevi R.; Baskaran M.; Awad M.M.	Experimental investigation and artificial neural network modeling of performance of photovoltaic – Thermal solar collector based hydrogen production system with phase change material	International Journal of Hydrogen Energy	109		540	550	2025
186	Nathiya N.; Rajan C.; Geetha K.	A hybrid optimization and machine learning based energy-efficient clustering algorithm with self-diagnosis data fault detection and prediction for WSN-IoT application	Peer-to-Peer Networking and Applications	18	2			2025
187	Nallusamy C.; Aqeel A.; Salami Z.A.; Kumar V.N.; Mangaiyarkarasi V.; Nurboev S.	Wireless Network Virtualization for On-Demand Internet Provisioning	Journal of Internet Services and Information Security	15	4	358	371	2025

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 220

List of Scopus Indexed Journal Publications

Calendar year: 2025

188	Sharma M.; Shah R.; Saraf A.; Kumar R.; Maheshwari R.; Balakrishnan K.; Nair A.; Kumar R.; Gupta P.K.	Current advances in the therapeutic potential of nanomedicines for pulmonary disorders	Emergent Materials	8	2	935	958	2025
189	Husayn S.O.; Dineshkumar P.; Mohammed M.; Pavan J.; Mahima M.; Narmatova M.	Network Measurement Tools for QoS Evaluation in 5g-Enabled Services	Journal of Internet Services and Information Security	15	4	577	588	2025
190	Ramesh H.; Senthil Raja S.; Gangadevi R.; Baskaran M.; Marimuthu R.	Effect of volume concentration and sonication time on the performance of a hybrid solar collector based hydrogen production system with hybrid nanofluid: An experimental investigation	Case Studies in Thermal Engineering	66				2025
191	Ganthia B.P.; Panda S.; Remamany K.P.; Chaturvedi A.; Begum A.Y.; Mohan G.; Prasad S.J.S.; Ishwarya S.	Experimental techniques for enhancing PV panel efficiency through temperature reduction using water cooling and colour filters	Electrical Engineering	107	9	11349	11375	2025
192	Vijay Sai R.; Geetha B.G.	Enhanced heart disease risk prediction using adaptive botox optimization based deep long-term recurrent convolutional network	Technology and Health Care	33	5	2484	2512	2025
193	Surendhiran S.; Jagan K.S.G.; Naren Vidarth T.M.; Karthik A.; Rajendran V.; Wong L.S.	Degradation of rhodamine B dye and metformin drug pollutants using MoO₃/g-C₃N₄ nanocomposites: Synthesis, characterization, and photocatalytic and biological activity	Journal of Alloys and Compounds Communications	7				2025
194	Pugazharasi K.; Sakthivel K.	Enhanced glioma tumor detection and segmentation using modified deep learning with edge fusion and frequency features	Scientific Reports	15	1			2025
195	Sundravel V.K.; Abdul Bari J.; Ramesh S.	Utilizing Bacteria for Crude Oil-Contaminated Soil Bioremediation and Monitoring Through Tomato Plant Growth	Nature Environment and Pollution Technology	24	2			2025
196	Nithya N.; Vennila B.; Loganathan K.; Shobika R.; Senthilvadiu K.; Eswaramoorthi S.	Exploration of the Arrhenius activation energy in unsteady ternary hybrid nanofluid flow past a slendering stretching sheet: RSM analysis	Partial Differential Equations in Applied Mathematics	15				2025
197	Dhanapalan L.; Chinnathambi D.; Subramanian V.; Natarajan R.	Biosilica and clove oil-modified banana fiber epoxy composites: mechanical, thermal, wear, and drilling performance with machine learning and RSM optimization	Composite Interfaces					2025

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 220

List of Scopus Indexed Journal Publications

Calendar year: 2025

198	Saparniyazova M.; Usmanova X.; Vennila G.; Hussein R.R.; Ibrakhimova D.; Jumanazarova G.; Ugli B.M.X.	IoT-Driven Environmental Monitoring in Special Collections Preservation	Indian Journal of Information Sources and Services	15	4	346	356	2025
199	Karthik A.; Surendhiran S.; Savitha S.; Jagan K.S.G.; Naren Vidaarth T.M.; Senthilmurugan R.; Cheran V.	Oleic acid tailored Al₂O₃-ZrO₂/Epoxy resin coating with enhanced wettability, mechanical property, and controlled surface porosity for anticorrosion applications	Ceramics International	51	23	40692	40707	2025
200	Rajkumar S.; Gopalakrishnan R.	Energy efficient clustering in industrial lot using a quantum informed artificial hummingbird optimization algorithm	Scientific Reports	15	1			2025
201	Sasikumar M.; Seenivasan S.; Durairaj S.; Sathiya S.	Novel synthesis of ZnO supported on 1D-MWCNT nanocomposites enhancing electrochemical energy storage performance of asymmetric supercapacitor	Ionics	31	7	7299	7311	2025
202	Menaka A.; Sakthivel K.	Improved Weighted Quantum Whale Optimization with vision transformer for intrusion detection, atmospheric monitoring and recommendation in smart agriculture	Scientific Reports	15	1			2025
203	Shadmanova N.; Vadivel S.; Nagarajan M.; Mohamed H.; Asrorkhujaeva M.; Yusupova X.; Polvonov J.	Optimization of Faceted Search Interfaces for Complex Querying	Indian Journal of Information Sources and Services	15	4	282	291	2025
204	Selvaraj S.P.; Thiyagarajan R.; Rajavenkatesan T.	A Model Reference Adaptive Controller based Flamingo Search Algorithm for Liquid Level Control in Non-Linear Conical Tank System	Measurement Science Review	25	3	100	109	2025
205	Rajavel P.; Arthanarisamy M.; Ramasamy S.	Hybrid optimization of engine performance and emission using RSM-ANN-GA framework to explore valorization potential of waste cooking oil with green synthesized heterogenous ZnO nanocatalyst	Fuel	395				2025
206	Pushpa M.; Mageswari S.; Shereena S.N.; Surendhiran S.	Facile Phyto fabrication of Mg interconnected ZrO₂ nanocomposites for effective decontamination of infected water bodies	Journal of the Indian Chemical Society	102	11			2025
207	Vinutha K.; Lebaka S.; Rajakumar M.; Alsalami Z.A.; Rustambekovna S.Z.; Dhanasekaran D.	Secure Wireless Connectivity Frameworks for Financial Internet Services	Journal of Internet Services and Information Security	15	3	298	317	2025

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208	Rajesh B.M.; Aqeel A.; Balasm Z.; Satyanarayana V.; Kalaimathi P.; Raguvaran K.	Delay-Tolerant Mobile Internet Services in Rural and Remote Areas	Journal of Internet Services and Information Security	15	3	200	217	2025
209	Velumani M.; Indhumathi K.; Yuvaraj K.	Influence of lime sludge addition on the mechanical and microstructural performance of pond ash based geopolymer concrete: [UTICAJ DODAVANJA KREČNOG MULJA NA MEHANIČKA I MIKROSTRUKTURNA SVOJSTVA GEOPOLIMER BETONA NA BAZ PEPELA]	Materials Protection	66	4	820	828	2025
210	Krishnamoorthy R.; Chinnappan R.; Balasundaram J.K.	Quadratic discriminant feature selected broken stick regressive deep convolution neural learning classification for turmeric crop yield prediction	Network: Computation in Neural Systems					2025
211	Rathinavel S.; Saravanakumar S.S.; Senthilkumar T.S.; Senthamarai Kannan P.; Suyambulingam I.; Kumar R.	Natural Particulate Reinforced Biocomposite Film: A Review	Journal of Natural Fibers	22	1			2025
212	Gokarneshan N.; Premalatha C.; Padma B.; Hari Priya R.; Abisha Raju A.J.; Kavipriya S.; Karthiga M.	Spider silk biomimetics for development of wearable electronics	Man-Made Textiles in India	53	5	167	172	2025
213	Sundravel K.V.; Jagadeesan R.; Dhanush A.; Kumar A.S.	A Review of Innovations, Challenges, and Future Directions in Structural Health Monitoring Using Smart Materials	Journal of Environmental Nanotechnology	14	1	464	478	2025
214	Siddaiyan J.; Poonusamy K.	Identify the Driving Space for Vehicle Movement by Lane Line and Road Object Detection Using Deep Learning Technique	Journal of New Materials for Electrochemical Systems	28	1	68	75	2025
215	Balamurugan R.; Nithya R.	Advancements In Solar Panel Maintenance: A Review Of Iot-Integrated Automatic Dust Cleaning Systems: [Rozwój W Konserwacji Paneli Słonecznych: Przegląd Systemów Automatycznego Czyszczenia Z Kurzu Opartych Na Internecie Rzeczy]	Informatyka, Automatyka, Pomiary w Gospodarce i Ochronie Srodowiska	15	1	39	44	2025
216	Kumar R.; Thanikai Vimal J.; Hayavadana J.; Srinivasulu K.; Prabhu S.V.; Kadaikunnan S.; Khaled J.M.	Effect of Weave Parameters on Yarn Pull-Out Force of Woven Fabrics Made From Doubled Yarns and With Different Weave Structures	AATCC Journal of Research	12	1			2025

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217	Siddaiyan J.; Ponnusamy K.	Enhancing Autonomous Vehicle Navigation by Detecting Lane and Objects based on LaneNet and CustomYOLOv5	Promet - Traffic and Transportation	37	3	738	753	2025
218	Muniyan B.; Selvaraj A.; Ramalingam S.K.; Muthubalasubramanian M.	Efficient Thermal Management in Processor Cooling Using Lauric Acid and Copper Foam-based PCM Composite	Journal of Environmental Nanotechnology	14	1	91	96	2025
219	Gibi M.; Kishore Kiet M.G.; Methun S.; Prakash P.; Siddharthan B.	Enhancing Mechanical Properties of PETG-CNT Nanocomposites Fabricated via Fused Filament Fabrication	Malaysian Journal of Chemistry	27	3	455	463	2025
220	Premalatha C.; Ratna U.; Anton S.M.; Kumar M.D.; Gokarneshan N.; Jothmanikandan A.; Periyasamy P.; Ponmaniselvam M.; Sridhar K.; Saravanan N.; Asma M.; Kayalvizhi C.; Shahanaz Z.; Sakthivel M.; Devika R.; Karthikeyan S.; Sakthivel K.	A sustainable method of dyeing hemp using neem extract	Man-Made Textiles in India	53	1	14	17	2025