

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 115

List of Scopus Indexed Journal Publications

Calendar year: 2024

S.No	Authors	Title	Source title	Vol.	Issue	S. Page	E. Page	Year
1	Prabha K.; Rajendran S.; Gnanamangai B.M.; Mohan J B.; Sayin K.; Prasad K.J.R.; Tüzün G.	Synthesis of novel isostere analogues of naphthyridines using CuI catalyst: DFT computations (FMO, MEP), molecular docking and ADME analysis	Tetrahedron	168				2024
2	Jeyaprakasam S.; Gnanasekaran M.; Magibalan S.; Singh R.P.; Mohanavel V.; Kannan S.; Giri J.; Ali M.S.; Barmavatu P.	Tribological, mechanical and microstructure characteristics of hybrid aluminium matrix composite containing titanium carbide (TiC) and graphite particles	Journal of Materials Research and Technology	33		5482	5489	2024
3	Sundari T.; Kavitha R.; Gnanamangai B.M.; Saranya S.	Assessment of in vitro antioxidant properties and anticancer potential of Cucumis pubescens Willd. a medicinal fruit, utilizing human lung cancer cell line (A549)	Journal of Applied Biology and Biotechnology	12	6	185	192	2024
4	Krishnan R.; Muthusamy K.; Shanmugam S.K.M.; Kadhiresan S.	Development of novel sustainable biocomposite from polycaprolactone and Sesbania rostrata fiber	Polymer Composites	45	16	15125	15139	2024
5	Rathinavel S.; Prakash J.A.; Balavairavan B.; Prithviraj M.; Saravankumar S.S.; Ganeshbabu A.	Characterization of anti bacterial biocomposite films based on poly lactic acid and prosopis juliflora bark powder	International Journal of Biological Macromolecules	282				2024
6	Savitha S.; Surendhiran S.; Vidaarth T.M.N.; Jagan K.S.G.; Karthik A.; Sabarirajan R.	Evaluation of physiochemical and in-vitro characteristics of Ixora Coccinea mediated Co3O4 nanoparticles for photocatalytic degradation of toxic textile dye effluents	Journal of the Indian Chemical Society	101	10			2024
7	Kandasamy Y.; Krishnasamy M.E.; Moongilpatti Krishnasamy K.; Navaneethan K.S.	Investigating the influence of various metakaolin combinations with different proportions of pond ash and Alccofine 1203 on ternary blended geopolymer concrete at ambient curing	Environmental Science and Pollution Research	31	54	62877	62888	2024
8	Sathishkumar P.; Gnanabaskaran A.; Saradha M.; Gopinath R.	Dos attack detection using fuzzy temporal deep long Short-Term memory algorithm in wireless sensor network	Ain Shams Engineering Journal	15	12			2024
9	Chokkalingam C.; Babuprakash R.; Abishek G.; Balaji B.	A Review on Natural Fibre Reinforcement on Composite Material	International Research Journal of Multidisciplinary Technovation	6	6	261	274	2024
10	Karthik A.; Daniel James D J.; Sampath P.S.; Thirumurugan V.	Effect of alkali treatment on cotton/bamboo fibres for application as a reinforcement material	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	238	6	2670	2680	2024

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 115

List of Scopus Indexed Journal Publications

Calendar year: 2024

11	Arunraja L.; Srividhya B.; Bakkiyaraj R.; Periyasami G.; Karthikeyan P.	Developing zinc oxide-doped cadmium sulfide nanocomposites chemically for oxygen gas sensing properties via annealing effects	Journal of the Indian Chemical Society	101	11			2024
12	Nehru G.; Balakrishnan R.; Swaminathan N.; Tadi S.R.R.; Sivaprakasam S.	Heparosan biosynthesis in recombinant Bacillus megaterium: Influence of N-acetylglucosamine supplementation and kinetic modeling	Biotechnology and Applied Biochemistry	71	6	1346	1359	2024
13	Satheeskumar S.; Surendhiran S.; Shanthi C.; Panneerselvam A.; Senthilkumar S.; Bhuvaneshwari B.V.	A sustainable strategy to improve photocatalytic degradation properties of CuO and CuO-rGO nanocomposite using Eucalyptus leaf extract	Journal of the Indian Chemical Society	101	11			2024
14	Ahmed S.S.Z.; Khader S.Z.A.; Valliammal E.M.; Ali S.R.; Senthilkumar M.; Venkatachalam M.; Saravanan N.; Senthilkumaran D.	Muntingia Calabura Silver Nanoparticles Deteriorate Oxidative Impairment With Potent Antibacterial Activity	International Journal of Applied Pharmaceutics	16	6	340	344	2024
15	Karthikeyan S.; Mohan K.	Predicting the Mechanical Properties of Friction-Stir-Welded AA7068-T6 Joints Using an Adaptive Neuro-Fuzzy Inference System	Transactions of the Indian Institute of Metals	77	11	4101	4112	2024
16	Venkatesan S.; Thaimanavan K.T.R.; Bhuvana S.	Investigating the Impact of Physical and Mechanical Characteristics of Palf/Glass Fiber Reinforced In Epoxy Resin	International Research Journal of Multidisciplinary Technovation	6	6	71	79	2024
17	Prasath B.; Akila M.	AETC: an automated pest detection and classification model using optimal integration of Yolo + SSD and adaptive ensemble transfer CNN with IoT-assisted pest images	Knowledge and Information Systems	66	11	7077	7108	2024
18	Chakaravarthi P.; Kumaravel A.; Umamaheswari K.	Tribological properties of aluminium metal matrix composites at various temperatures – a review	Interactions	245	1			2024
19	Kavitha K.; Navaneethan D.; Balagurunathan R.; Subramaniam R.T.; Shaik M.R.; Guru A.	Exploring the biocompatibility and healing activity of actinobacterial-enhanced reduced nano-graphene oxide in in vitro and in vivo model and induce bone regeneration through modulation of OPG/RANKL/RUNX2/ALP pathways	Molecular Biology Reports	51	1			2024
20	Srinivasan S.; Arumugam K.; Venkatachalam R.; Wong L.S.	Enhanced photocatalytic and supercapacitor performance of CeO2 nano foam integrated MWCNT and rGO nanocomposites	Journal of the Indian Chemical Society	101	12			2024

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 115

List of Scopus Indexed Journal Publications

Calendar year: 2024

21	Prakash K.; Geetha B.G.	Potato Plant Leaf Disease Detection Distinctive Deep Attention Convoluted Network (DACN) Mechanism	Iranian Journal of Science and Technology - Transactions of Electrical Engineering	48	4	1567	1593	2024
22	Kanagaraj A.; Senthamaraiannan P.; Selvaraj R.C.A.; Karthic S.; Divakaran D.; Suyambulingam I.; Siengchin S.	Physiochemical profiling of bioplasticizer derived from Ficus benghalensis leaves for eco-friendly applications	Industrial Crops and Products	222				2024
23	Satheeshkumar D.; Saravanan K.; Prakash C.	A Study on the Moisture Management Properties of Banana/Bamboo Blended Fabrics	Fibers and Polymers	25	11	4469	4478	2024
24	Sundaram K.; Sri Preethaa K.R.; Natarajan Y.; Muthuramalingam A.; Ali A.A.Y.	Advancing building energy efficiency: A deep learning approach to early-stage prediction of residential electric consumption	Energy Reports	12		1281	1292	2024
25	Vithya B.; Saravanakumar S.S.; Senthamaraiannan P.; Murugan R.	Extraction and characterization of a potential plasticizer from Vachellia nilotica	Industrial Crops and Products	222				2024
26	Murugesan B.; Madhan D.; Devabharathi V.; Senthil Kumar D.; Aruna Christy T.; Surendhiran S.; Balamurugan A.; Syed Khadar Y.A.	Phytofabrication of MgO NPs wrapped on exfoliated g-C3N4 for anti-oxidant, antimicrobial degradation of toxic contaminants in water bodies	Inorganic Chemistry Communications	170				2024
27	Surendhiran S.; Balu K.S.; Karthik A.; Rajendran V.	Biogenic synthesis of CeO2 nanoparticles via moringa oleifera seed extract: Photocatalytic and biological activity for textile dye degradation	Journal of the Indian Chemical Society	101	10			2024
28	Easwaran P.; Ramesh S.; Deepanraj C.G.	The effect of artificial metakaolin coarse aggregate on the mechanical and durability properties of lightweight geopolymer concrete	Global Nest Journal	26	9			2024
29	Siddharthan B.; Kumaravel A.	Wear behaviour of titanium diboride and zirconium carbide reinforced LM13 hybrid composite for automotive applications	Materialpruefung/Materials Testing	66	11	1829	1842	2024
30	SENTHILRAJA P.; NANCY P.; SHERINE GLORY J.; MANISHA G.	Enhancing IoT security in wireless local area networks through dynamic vulnerability scanning	Sadhana - Academy Proceedings in Engineering Sciences	49	3			2024
31	Lenin N.; Jabammal Raj N.; Rajesh Kanna R.; Karthikeyan P.; Balasubramanian M.; Karthik A.; Srither S.R.	Electrical and dielectric properties of PVA-doped NiGdxFe2-xO4 nanoferrite particles	Materials Science and Engineering: B	308				2024
32	Shanmugasundaram S.; Rajendiran G.; Thangavel S.; Munian B.	Integrated AHP – TOPSIS Approach for Optimization of Coolant with Nanoparticles in PVT-Based Hydrogen Production System	Journal of Engineering Research	21	1	1	7	2024

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 115

List of Scopus Indexed Journal Publications

Calendar year: 2024

33	Nandagopal K.R.; Thamilarasan S.; Vignesh K.; Harini K.	Comfort properties of bamboo knitted, woven and nonwoven fabrics	Asian Textile Journal	33	06-Jul	41	45	2024
34	Prabakaran K.; Lalithamani N.; Kiruthika K.; Wirtu K.	α-F-CONVEX CONTRACTION MAPPINGS IN b-METRIC SPACES AND UNIQUENESS IN FIXED POINT THEOREMS	Journal of Applied Mathematics and Informatics	42	6	1251	1259	2024
35	Thirumoorthy P.; Murugasamy M.V.; Dhanasekaran J.; Sasikumar K.; Periyasamy M.; Selvam J.	Assessment of groundwater quality in Perundurai region of south India using water quality index and statistical modelling	Groundwater for Sustainable Development	25				2024
36	Vanchinathan S.; Gnanavel B.; Vijayakumar R.	Investigation on concentration-dependent luminescence properties of high color purity red-emitting Pr3+ ion-doped sodium barium borate phosphors	Journal of Materials Science: Materials in Electronics	35	20			2024
37	Sheela K.J.; Kumar P.S.; Shanmugam V.M.	Influence of Cu2+ ions on the electron paramagnetic resonance spectral investigations of calcium5-sulphosalicylate semi-organic single crystal	Indian Journal of Physics	98	4	1291	1297	2024
38	Ramasamy M.; Elangovan M.	Optimized neural attention mechanism for aspect-based sentiment analysis framework with optimal polarity-based weighted features	Knowledge and Information Systems	66	4	2501	2535	2024
39	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					2024
40	Soto-Bubert A.; Miranda J.; Acevedo R.; Bhardwaj R.; Rajendran S.	Density modeling of chlorinated brines in two and three-component systems	Chemical Thermodynamics and Thermal Analysis	15				2024
41	Surendran R.; Kumaravel A.	Assessment of machinability behaviour of LM24 - nano Al2O3 - gr hybrid composites through stir casting technique	Materials Research Express	11	3			2024
42	Piriadarshani D.; Gokarneshan N.; Jothimanikandan A.; Periyasamy P.; Ponmaniselvam M.; Sridhar K.; Rachel D.A.; Premalatha C.; Kayalvizhi C.; Ritti S.H.	An innovative design concept in compact spinning for improvement in yarn performance adopting numerical simulation approach	Man-Made Textiles in India	52	2	59	64	2024

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 115

List of Scopus Indexed Journal Publications

Calendar year: 2024

43	Salih R.; Javed M.A.; Brochu A.-S.; Prakash P.; Côté J.-D.; Pérez-López E.	A Basic Guide to the Propagation and Manipulation of the Clubroot Pathogen, Plasmodiophora brassicae	Current Protocols	4	4			2024
44	Khader S.Z.A.; Syed Zameer Ahmed S.; Raju M.; Mahboob M.R.; Subramaniyan S.; Kaliyannan Rajavel A.; Chinnaperumal K.; Sakthivel D.	Dioxepine-derived surface-capping gold nanoparticles (Dd-AuNPs) induces ROS-mediated apoptosis and cell cycle arrest in A549 human lung cancer cell line	Gold Bulletin	57	01-Feb	65	77	2024
45	Pradeep C.A.; Lokeshe M.; Indhirakumar R.; Sampath M.B.	Reviewing defensive attire utilizing photochromic dyes and pigments	Man-Made Textiles in India	52	10	393	398	2024
46	Karthik A.; Sampath P.S.; Thirumurugan V.; Prakash C.	Effect of sample cutting angle on mechanical properties of jute/cotton fabric epoxy composite laminates	Biomass Conversion and Biorefinery	14	15	17635	17645	2024
47	Balamurugan R.; Vairavel K.S.; Kalimuthu M.; Devi V.K.	Fuzzy logic controller-based Luo converter for light electric vehicles	Indonesian Journal of Electrical Engineering and Computer Science	34	1	641	646	2024
48	Amarnath J.; Meenakshi S.; Kalaiyarasi J.; Surendhiran S.; Balu K.S.; Karthik A.; Kalpana B.	Silver anchored g-C3N4/CNT nanocomposites modified glassy carbon electrode for the detection of α-lipoic acid in pharmaceutical products	Inorganic Chemistry Communications	162				2024
49	Devabharathi V.; Jagan K.S.G.; Priyan S.R.; Vidaarth T.N.; Surendhiran S.; Khadar Y.A.S.; Kandasamy K.	Rational design of NiO nanoflakes and porous GCN nanocomposite for synergic effectiveness on photocatalytic degradation of industry effluents and biological activity	Chemical Physics Impact	8				2024
50	Gomathi A.; Priyadharsan A.; Handayani M.; Kumar K.A.R.; Saranya K.; Kumar A.S.; Srividhya B.; Murugesan K.; Maadeswaran P.	Pioneering superior efficiency in Methylene blue and Rhodamine b dye degradation under solar light irradiation using CeO2/Co3O4/g-C3N4 ternary photocatalysts	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	313				2024
51	Kavinshankar R.; Tamilarasan K.; Yuvaraj K.	Mechanical and Durability Performance of Concrete using Dolomite Powder and Pond Ash as Cement Replacements	Journal of Environmental Nanotechnology	13	4	149	154	2024
52	Subbaiyan R.; Ganesan A.; Muthusamy B.; Ramasubramanian B.	Self potent antimicrobial and antifouling properties of zinc nanoparticles derived from lichen symbionts	Environmental Progress and Sustainable Energy	43	2			2024
53	Yuvaraj K.; Sakthivel M.; Karthick M.D.; Pradeep T.; Veerapathran M.; Gowtham S.	Mechanical performance of mono and hybrid synthetic fibers engineered cementitious composites with silica fume	Journal of Ceramic Processing Research	25	2	254	260	2024

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 115

List of Scopus Indexed Journal Publications

Calendar year: 2024

54	Hemalatha B.; Sashikkumar M.C.; Vivek S.; Ramesh S.; Babu M.D.; Laxmipriya S.; Priya V.	Experimental study of biodegradability of organic waste with industrial waste combined with effluents: A comparison by vermicomposting technology	Global Nest Journal	26	3			2024
55	Nathiya N.; Rajan C.; Geetha K.	An energy-efficient cluster routing for internet of things-enabled wireless sensor network using mapdiminution-based training-discovering optimization algorithm	Sadhana - Academy Proceedings in Engineering Sciences	49	1			2024
56	Sathishkumar P.; Rajan C.; Geetha K.	A constructive Steiner graph matching for Radio frequency identification device tag detection in wireless and internet of things environment	International Journal of Communication Systems	37	11			2024
57	Poornima S.; Manikandan S.; Prakash R.; Deena S.R.; Subbaiya R.; Karmegam N.; Kim W.; Govarthan M.	Biofuel and biochemical production through biomass transformation using advanced thermochemical and biochemical processes – A review	Fuel	372				2024
58	Jawaharlal V.; Natarajan R.	Climatic influence on solar salt pans with specific reference to Thoothukudi district	Global Nest Journal	26	7			2024
59	Balakrishnan K.; Sreekumar S.; Arumugam K.; Gupta P.K.	Nano cerium oxide loaded magnetic multi-walled carbon nanotubes nanocomposite for anti-cancer and anti-bacterial applications	Biocatalysis and Agricultural Biotechnology	57				2024
60	Raja S.; Ali R.M.; Surakasi R.; Sudha D.R.; Karthick S.; Karthikeyan S.; Nagabhooshanam N.; Subramanian J.; Selvaraj V.K.	Surface metamorphosis techniques for sustainable polymers: Optimizing material performance and environmental impact	Applied Chemical Engineering	7	3			2024
61	Sivakumar K.; Saravanan D.; Mani K.; Krithika S.M.U.; Saravanan K.; Prakash C.	Antimicrobial, UV-repellent and comfort properties of various herbal treated fabrics	Indian Journal of Fibre and Textile Research	49	1	58	62	2024
62	Vendra V.P.R.; Thangapandian M.	The importance of the fourth Greek key motif of human yD- crystallin in maintaining lens transparency—the tale told by the tail	Molecular Vision	30		37	48	2024
63	Subbaiyan R.; Ganesan A.	In vitro and in vivo assessment of antimicrobial, enzymatic, and antifouling properties of self-potent lichen symbiotic bacteria	Biotechnology and Applied Biochemistry	71	2	446	459	2024

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 115

List of Scopus Indexed Journal Publications

Calendar year: 2024

64	Ganesh Babu A.; Saravanakumar S.S.; Balavairavan B.; Senthamaraikannan P.	Modification of rice hull powder by in situ generation of silver nanoparticles for antibacterial composite filler applications	Macromolecular Research	32	7	653	661	2024
65	M T.; P S.K.; P A.; V V.; R V.	Enhanced reddish-orange luminescence from Sm³⁺/Ag co-doped barium zinc borophosphate glasses: Structural and Judd-Ofelt analysis	Journal of Non-Crystalline Solids	625				2024
66	Bharani M.; Gowda R.V.M.; Prakash C.	Bending and Shear Property of Fabrics Produced from Trevira CS and Its Blends	Fibers and Polymers	25	3	1111	1126	2024
67	Suresh J.; Subbaiyan R.; Ganesan A.; Ramasubramanian B.	Effective antifouling action of seaweed metabolite waste against marine foulers	Sustainable Chemistry One World	2				2024
68	Gurunathan S.; Rashma M.; Premalatha C.; Rajendrakumar K.	Three-layered sweat pad with quick drying functionality	Asian Textile Journal	33	06-Jul	25	29	2024
69	Naren Vidaarth T.M.; Surendhiran S.; Jagan K.S.G.; Savitha S.; Balu K.S.; Karthik A.; Kalpana B.	Surface chemistry of phytochemical enriched MgO nanoparticles for antibacterial, antioxidant, and textile dye degradation applications	Journal of Photochemistry and Photobiology A: Chemistry	448				2024
70	Kavitha R.; Ramachandran M.; Salau A.O.	Assessing the Efficacy of Chosen Herbal Antimicrobial Treatment for the Creation of Eco-Friendly Bamboo-Cotton Bandages	Journal of Natural Fibers	21	1			2024
71	Thirumoorthy P.; Velusamy S.; Nallasamy J.L.; Shanmugamoorthy M.; Sudalaimuthu G.; Veerasamy S.; Periyasamy M.; Murugasamy M.V.	Evaluation of groundwater quality for irrigation purposes in hard rock terrain of Southern India using water quality indices modelling	Desalination and Water Treatment	318				2024
72	Priyadarshini E.; Kumar R.; Balakrishnan K.; Pandit S.; Kumar R.; Jha N.K.; Gupta P.K.	Biofilm Inhibition on Medical Devices and Implants Using Carbon Dots: An Updated Review	ACS Applied Bio Materials	7	5	2604	2619	2024
73	Rajasekaran N.; Muniraj C.; Venkatesan T.; Kumaravel A.	Analysis of electrical behavior in LDPE/BaTiO₃ ceramic filler nanocomposites for electrical cable insulation applications	Journal of Ceramic Processing Research	25	1	104	118	2024
74	Poornima S.; Dadi M.; Subash S.; Manikandan S.; Karthik V.; Deena S.R.; Balachandar R.; Kumaran S.K.N.; Subbaiya R.	Review on advances in toxic pollutants remediation by solid waste composting and vermicomposting	Scientific African	23				2024
75	Mathan S.; Selvaraj M.; Assiri M.A.; Kandiah K.; Rajendran R.	Synthetic nanoarchitectonics with ultrafast Joule heating of graphene-based electrodes for high energy density supercapacitor application	Surfaces and Interfaces	51				2024

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 115

List of Scopus Indexed Journal Publications

Calendar year: 2024

76	Tamilarasu K.; Ranjith R.; Maadeswaran P.; Ramesh R.; Thammasak R.; Periyasami G.; Karthikeyan P.; Umarani C.	Investigating the effect of MoS₂-SnS₂ heterojunction to enhance the decomposition of organic pollutants under visible light irradiation	Journal of Materials Science: Materials in Electronics	35	8			2024
77	Tambe S.; Nag S.; Pandya S.R.; Kumar R.; Balakrishnan K.; Kumar R.; Kumar S.; Amin P.; Gupta P.K.	Revolutionizing Leishmaniasis Treatment with Cutting Edge Drug Delivery Systems and Nanovaccines: An Updated Review	ACS Infectious Diseases	10	6	1871	1889	2024
78	Vithya B.; Saravanakumar S.S.; Senthamarai Kannan P.; Murugan R.	Extraction and characterization of microcrystalline cellulose from Vachellia nilotica plant leaves: A biomass waste to wealth approach	Physiologia Plantarum	176	3			2024
79	Jaganathan M.; Surendhiran S.; Savitha S.; Vidaarth T.M.N.; Jagan K.S.G.; Karthik A.; Balu K.S.; Kalpana B.	Industrial dye effluent degradation and in-vitro biological characteristics of MgO NPs anchored few layered g-C₃N₄ nanoribbons	Diamond and Related Materials	144				2024
80	Subbaiyan R.; Ganesan A.; Varadharajan V.; Jeyachandran P.R.; Thangavel H.	Formulation and validation of probioticated foxtail millet laddu as a source of antioxidant for biological system using response surface methodology	Brazilian Journal of Microbiology	55	1	647	661	2024
81	Sharmiladevi S.; Ramesh N.; Prabhu S.V.; Mayakannan S.	Microwave-assisted functionalized biosorbent preparation using seed gum of Tamarindus indica: characterization and evaluation of Cr(VI) removal potency from tannery effluents	Biomass Conversion and Biorefinery	14	12	13533	13545	2024
82	Subramani K.; Wuthithien P.; Saha R.; Lindblad P.; Incharoensakdi A.	Characterization and potentiality of plant-derived silver nanoparticles for enhancement of biomass and hydrogen production in Chlorella sp. under nitrogen deprived condition	Chemosphere	361				2024
83	Karthik A.; Jeyakumar R.; Sampath P.S.; Soundararajan R.; Manikandan G.K.	Study and Fabrication of Fan Blade Using Coconut Leaf Sheath Fibre/Epoxy-Reinforced Composite Materials	Journal of The Institution of Engineers (India): Series D	105	1	405	412	2024
84	P S.; Palaniappan K.; Duraipandi B.; Balasubramanian U.M.	Dynamic behavioral profiling for anomaly detection in software-defined IoT networks: A machine learning approach	Peer-to-Peer Networking and Applications	17	4	2450	2469	2024
85	Tamilarasu K.; Ranjith R.; Priyadharsan A.; Rojviroon T.; Maadeswaran P.; Suganya S.; Umarani C.	Hierarchical MoS₂-SnS₂@g-C₃N₄ Nanocomposite as an Efficient and Sustainable Material for Environmental Remediation	Journal of Cluster Science	35	2	561	573	2024

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(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 115

List of Scopus Indexed Journal Publications

Calendar year: 2024

86	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						2024
87	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						2024
88	Subbaiyan R.; Ganesan A.; Dhanuskodi S.	Scientific Investigation of Antifouling Activity from Biological Agents and Distribution of Marine Foulers—Coastal Areas of Tamil Nadu	Applied Biochemistry and Biotechnology	196	3	1752	1766		2024
89	Mohan G.; Raja M.S.; Swathi S.; Ganesh E.N.	A novel breast cancer diagnostic using convolutional squared deviation neural network classifier with AI-Biruni Earth Radius optimization in medical IoT system	e-Prime - Advances in Electrical Engineering, Electronics and Energy	7					2024
90	Sarumathi S.; Reshma N.; Mathivanan S.; Malarkhodi S.	An Improved Attribute Subset Selector for Alzheimer's Disease Prediction	International Journal of Computer Theory and Engineering	16	3	87	93		2024
91	Mariyappan M.; Suthanthirakumar P.; Nagaraj R.; Vasudevan V.; Chitra L.; Kumar A.S.; Ramakrishnan S.; Hari J.V.; Abitha P.; Subasabarish M.S.	Generation of white light on Dy3+-ions activated Zinc fluoroborate glasses and luminescence studies	Journal of Optics (India)						2024
92	Balamurugan R.; Nithya R.	Optimization Of An Intelligent Controlled Bridgeless Positive Luo Converter For Low-Capacity Electric Vehicles: [Optymalizacja Inteligentnie Sterowanego Bezmostkowego Dodatniego Przekształtnika Luo Dla Pojazdów Elektrycznych O Małej Pojemności]	Informatyka, Automatyka, Pomiary w Gospodarce i Ochronie Srodowiska	14	3	68	70		2024
93	Raja K.; Senthil Kumar M.S.; Karthik A.; Kumar L.S.	Enhancing Drilling Performance in Natural Fiber-Reinforced Biocomposites Using Taguchi Method for Sustainable Manufacturing	Journal of Environmental Nanotechnology	13	3	246	252		2024
94	Vijaya Sundravel K.; Soundar Rajan M.; Ramesh S.; Jegatheeswaran D.	Innovative use of microbially induced calcite precipitation and zeolite for enhanced self-healing concrete	Revista Materia	29	3				2024
95	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						2024

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 115

List of Scopus Indexed Journal Publications

Calendar year: 2024

96	Sundaram S.; Kumarasamy M.	Joint characteristics and process parameters optimization on friction stir welding of AA 2024-T6 and AA 5083-H111 aluminum alloys; [КАРАКТЕРИСТИКЕ ЗАВАРЕНОГ СПОЈА И ОПТИМИЗАЦИЈА ПОСТУПКА ЗАВАРИВАЊА ТРЕЊЕМ МЕШАЊЕМ АЛУМИНИЈУМСКИХ ЛЕГУРА АА 2024-Т6 И АА 5083-Н111]	Journal of the Serbian Chemical Society	89	10	1387	1399	2024
97	Arulkumar A.; Babu P.	Human hand gesture recognition using fast Fourier transform with coot optimization based on deep neural network	Network: Computation in Neural Systems	35	4	488	519	2024
98	Vidhyasankari N.; John R.R.; Senthilmurugan P.R.; Vishnupriya V.	Comparative evaluation on surface nanohardness, surface microhardness, surface roughness, and wettability of plant-based organic nanoparticle reinforced polyetheretherketone as an implant material – An in vitro study	Journal of Indian Prosthodontic Society	24	3	245	251	2024
99	Jagan K.S.G.; Surendhiran S.; Savitha S.; Balu K.S.; Karthik A.	Distinct nickel-precursor synthesized NiO NPs on the degradation of biological staining dyes: a green route	Journal of Materials Science: Materials in Electronics	35	2			2024
100	Savitha S.; Surendhiran S.; Balu K.S.; Karthik A.	In-vitro and bio-electrochemical characteristics of phytochemical enriched Co3O4 nanoparticles loaded biomimetic scaffold for preclinical analysis	Polymers for Advanced Technologies	35	1			2024
101	Senthilvadivu K.; Eswaramoorthi S.; Loganathan K.; Abbas M.	Time-dependent Darcy–Forchheimer flow of Casson hybrid nanofluid comprising the CNTs through a Riga plate with nonlinear thermal radiation and viscous dissipation	Nanotechnology Reviews	13	1			2024
102	Sathesh Kumar T.; Venkatesan T.	A Techno-Economic Optimal Evaluation and Feasibility Analysis of Hybrid Microgrid Electrification for Smart Cities in Tamil Nadu	Electric Power Components and Systems	52	11	1981	1997	2024
103	Kaladevi P.; Kanimozhi N.; Nirmala B.; Sivasankari R.	Morpho-contour exponential estimation algorithm for predicting breast tumor growth from MRI imagery	International Journal of Information Technology (Singapore)					2024
104	Shanmugam A.; Ponnusamy K.	A 0.75V 10nm FinField-Effect Transistor Based Hybrid Self Controlled PreCharge Free Content Addressable Memory for Low Standby Power Applications	International Journal of Electronics	111	10	1679	1699	2024

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No. of Articles: 115

List of Scopus Indexed Journal Publications

Calendar year: 2024

105	Ponnusamy C.; Uddand Rao V.V.S.; Sasikumar V.; Prabhu P.; Ganapathy S.	Partially Purified Polysaccharides from <i>Lentinus edodes</i> (Mushroom) Scavenge Free Radicals and Induce Apoptosis in MCF-7 Cancer Cells by Regulating Apoptotic Genes	Indian Journal of Pharmaceutical Education and Research	58	2	535	545	2024
106	Subbaiyan R.; Ganesan A.; Dhanuskodi S.; Prakash H.P.; Varadharajan V.	Virtual screening of the natural antifoulants: In silico approach to screen lichen metabolites against marine biofoulers	Environmental Progress and Sustainable Energy	43	1			2024
107	Siddharthan B.; Arumugam K.	Identifying stir casting process parameters to maximize strength of LM13 with TiB2 and ZrC hybrid metal matrix composite	Materialprüfung/Materials Testing	66	1	117	128	2024
108	Shanmugam G.; Devarajan G.; Viswanathan G.; Ponnusamy V.K.	Applying Fusion Of Feature Classification To Retrieve Mammography Image Using Soft Computing Approach Under Environmentalism	Journal of Environmental Protection and Ecology	25	1	321	333	2024
109	Velumani D.; Mageshkumar P.; Yuvaraj K.	Properties of Binary and Ternary Blended Cement Containing Pond Ash and Ground Granulated Blast Furnace Slag	Polish Journal of Environmental Studies	33	1	443	454	2024
110	Karthikeyan K.; Senthil Raja D.	Analysis On Functional Differential Nonlocal Cauchy Problem With State-Dependent Delay	Dynamics of Continuous, Discrete and Impulsive Systems Series A: Mathematical Analysis	31	1	35	43	2024
111	Sudha P.; Ramesh S.; Jagadeesan R.; Yuvaraj K.	Study of mechanical properties of self-adhesive mortars with sugar cane babbasse ash and silica activator	Journal of Ceramic Processing Research	25	1	1	15	2024
112	Kandasamy Y.; Kumarasamy V.; Murugan S.; Singaraj R.	Utilizing binary ternary blended metakaolin and ground pond ash for reduced carbon footprint emissions and improved mechanical properties in concrete	Revista Materia	29	1			2024
113	Kandasamy Y.; Thangavel B.; Sukumar K.K.; Ravi B.	Strength properties of engineered cementitious composites containing pond ash and steel fiber	Revista Materia	29	1			2024
114	Rajagopal D.; Kumaravel A.; Arunprasath S.; Dinesh Babu M.; Elayaraja S.	Finite Element Modeling of Beam with Piezoelectric/Piezomagnetic Sensors under Uniform Temperature	Journal of Ceramic Processing Research	25	1	119	130	2024
115	Senthilvadivu K.; Loganathan K.; Abbas M.; Alqahtani M.S.	Numerical study of blood-based MHD tangent hyperbolic hybrid nanofluid flow over a permeable stretching sheet with variable thermal conductivity and cross-diffusion	Open Physics	22	1			2024