

# K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

## List of Scopus Indexed Journal Publications

Calendar year: **2024**

S.No	Authors	Title	Source title	Vol.	Issue	S. Page	E. Page	Year
1	SENTHILRAJA P.; NANCY P.; SHERINE GLORY J.; MANISHA G.	<a href="#">Enhancing IoT security in wireless local area networks through dynamic vulnerability scanning</a>	Sadhana - Academy Proceedings in Engineering Sciences	49	3			2024
2	Lenin N.; Jabammal Raj N.; Rajesh Kanna R.; Karthikeyan P.; Balasubramanian M.; Karthik A.; Srithar S.R.	<a href="#">Electrical and dielectric properties of PVA-doped NiGdxFe2-xO4 nanoferrite particles</a>	Materials Science and Engineering: B	308				2024
3	Prabha K.; Rajendran S.; Gnanamangai B.M.; Mohan J B.; Sayin K.; Prasad K.J.R.; Tüzün G.	<a href="#">Synthesis of novel isostere analogues of naphthyridines using CuI catalyst: DFT computations (FMO, MEP), molecular docking and ADME analysis</a>	Tetrahedron	168				2024
4	Jeyaprakasam S.; Gnanasekaran M.; Magibalan S.; Singh R.P.; Mohanavel V.; Kannan S.; Giri J.; Ali M.S.; Barmavatu P.	<a href="#">Tribological, mechanical and microstructure characteristics of hybrid aluminium matrix composite containing titanium carbide (TiC) and graphite particles</a>	Journal of Materials Research and Technology	33		5482	5489	2024
5	Sundari T.; Kavitha R.; Gnanamangai B.M.; Saranya S.	<a href="#">Assessment of in vitro antioxidant properties and anticancer potential of Cucumis pubescens Willd. a medicinal fruit, utilizing human lung cancer cell line (A549)</a>	Journal of Applied Biology and Biotechnology	12	6	185	192	2024
6	Shanmugasundaram S.; Rajendiran G.; Thangavel S.; Munian B.	<a href="#">Integrated AHP – TOPSIS Approach for Optimization of Coolant with Nanoparticles in PVT-Based Hydrogen Production System</a>	Journal of Engineering Research	21	1	1	7	2024
7	Krishnan R.; Muthusamy K.; Shanmugam S.K.M.; Kadhiresan S.	<a href="#">Development of novel sustainable biocomposite from polycaprolactone and Sesbania rostrata fiber</a>	Polymer Composites	45	16	15125	15139	2024
8	Nandagopal K.R.; Thamilarasan S.; Vignesh K.; Harini K.	Comfort properties of bamboo knitted, woven and nonwoven fabrics	Asian Textile Journal	33	7-Jun	41	45	2024
9	Rathinavel S.; Prakash J.A.; Balavairavan B.; Prithviraj M.; Saravankumar S.S.; Ganeshbabu A.	<a href="#">Characterization of anti bacterial biocomposite films based on poly lactic acid and prosopis juliflora bark powder</a>	International Journal of Biological Macromolecules	282				2024
10	Thirumorthy P.; Murugasamy M.V.; Dhanasekaran J.; Sasikumar K.; Periyasamy M.; Selvam J.	<a href="#">Assessment of groundwater quality in Perundurai region of south India using water quality index and statistical modelling</a>	Groundwater for Sustainable Development	25				2024

11	Savitha S.; Surendhiran S.; Vidaarth T.M.N.; Jagan K.S.G.; Karthik A.; Sabarirajan R.	<a href="#">Evaluation of physiochemical and in-vitro characteristics of Ixora Coccinea mediated Co3O4 nanoparticles for photocatalytic degradation of toxic textile dye effluents</a>	Journal of the Indian Chemical Society	101	10			2024
12	Vanchinathan S.; Gnanavel B.; Vijayakumar R.	<a href="#">Investigation on concentration-dependent luminescence properties of high color purity red-emitting Pr3+ ion-doped sodium barium borate phosphors</a>	Journal of Materials Science: Materials in Electronics	35	20			2024
13	Sheela K.J.; Kumar P.S.; Shanmugam V.M.	<a href="#">Influence of Cu2+ ions on the electron paramagnetic resonance spectral investigations of calcium5-sulphosalicylate semi-organic single crystal</a>	Indian Journal of Physics	98	4	1291	1297	2024
14	Ramasamy M.; Elangovan M.	<a href="#">Optimized neural attention mechanism for aspect-based sentiment analysis framework with optimal polarity-based weighted features</a>	Knowledge and Information Systems	66	4	2501	2535	2024
15	Soto-Bubert A.; Miranda J.; Acevedo R.; Bhardwaj R.; Rajendran S.	<a href="#">Density modeling of chlorinated brines in two and three-component systems</a>	Chemical Thermodynamics and Thermal Analysis	15				2024
16	Surendran R.; Kumaravel A.	<a href="#">Assessment of machinability behaviour of LM24 - nano Al2O3 - gr hybrid composites through stir casting technique</a>	Materials Research Express	11	3			2024
17	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
18	Salih R.; Javed M.A.; Brochu A.-S.; Prakash P.; Côté J.-D.; Pérez-López E.	<a href="#">A Basic Guide to the Propagation and Manipulation of the Clubroot Pathogen, Plasmodiophora brassicae</a>	Current Protocols	4	4			2024
19	Kandasamy Y.; Krishnasamy M.E.; Moongilpatti Krishnasamy K.; Navaneethan K.S.	<a href="#">Investigating the influence of various metakaolin combinations with different proportions of pond ash and Alccofine 1203 on ternary blended geopolymer concrete at ambient curing</a>	Environmental Science and Pollution Research	31	54	62877	62888	2024
20	Khader S.Z.A.; Syed Zameer Ahmed S.; Raju M.; Mahboob M.R.; Subramaniyan S.; Kaliyannan Rajavel A.; Chinnaperumal K.; Sakthivel D.	<a href="#">Dioxepine-derived surface-capping gold nanoparticles (Dd-AuNPs) induces ROS-mediated apoptosis and cell cycle arrest in A549 human lung cancer cell line</a>	Gold Bulletin	57	2-Jan	65	77	2024
21	Karthik A.; Sampath P.S.; Thirumurugan V.; Prakash C.	<a href="#">Effect of sample cutting angle on mechanical properties of jute/cotton fabric epoxy composite laminates</a>	Biomass Conversion and Biorefinery	14	15	17635	17645	2024
22	Balamurugan R.; Vairavel K.S.; Kalimuthu M.; Devi V.K.	<a href="#">Fuzzy logic controller-based Luo converter for light electric vehicles</a>	Indonesian Journal of Electrical Engineering and Computer Science	34	1	641	646	2024

23	Amarnath J.; Meenakshi S.; Kalaiyarasi J.; Surendhiran S.; Balu K.S.; Karthik A.; Kalpana B.	<a href="#">Silver anchored g-C3N4/CNT nanocomposites modified glassy carbon electrode for the detection of <math>\alpha</math>-lipoic acid in pharmaceutical products</a>	Inorganic Chemistry Communications	162					2024
24	Devabharathi V.; Jagan K.S.G.; Priyan S.R.; Vidaarth T.N.; Surendhiran S.; Khadar Y.A.S.; Kandasamy K.	<a href="#">Rational design of NiO nanoflakes and porous GCN nanocomposite for synergic effectiveness on photocatalytic degradation of industry effluents and biological activity</a>	Chemical Physics Impact	8					2024
25	Gomathi A.; Priyadharsan A.; Handayani M.; Kumar K.A.R.; Saranya K.; Kumar A.S.; Srividhya B.; Murugesan K.; Maadeswaran P.	<a href="#">Pioneering superior efficiency in Methylene blue and Rhodamine b dye degradation under solar light irradiation using CeO2/Co3O4/g-C3N4 ternary photocatalysts</a>	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	313					2024
26	Sathishkumar P.; Gnanabaskaran A.; Saradha M.; Gopinath R.	<a href="#">Dos attack detection using fuzzy temporal deep long Short-Term memory algorithm in wireless sensor network</a>	Ain Shams Engineering Journal	15	12				2024
27	Chokkalingam C.; Babuprakash R.; Abishek G.; Balaji B.	<a href="#">A Review on Natural Fibre Reinforcement on Composite Material</a>	International Research Journal of Multidisciplinary Technovation	6	6	261	274		2024
28	Karthik A.; Daniel James D J.; Sampath P.S.; Thirumurugan V.	<a href="#">Effect of alkali treatment on cotton/bamboo fibres for application as a reinforcement material</a>	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	238	6	2670	2680		2024
29	Subbaiyan R.; Ganesan A.; Muthusamy B.; Ramasubramanian B.	<a href="#">Self potent antimicrobial and antifouling properties of zinc nanoparticles derived from lichen symbionts</a>	Environmental Progress and Sustainable Energy	43	2				2024
30	Yuvaraj K.; Sakthivel M.; Karthick M.D.; Pradeep T.; Veerapathran M.; Gowtham S.	<a href="#">Mechanical performance of mono and hybrid synthetic fibers engineered cementitious composites with silica fume</a>	Journal of Ceramic Processing Research	25	2	254	260		2024
31	Hemalatha B.; Sashikkumar M.C.; Vivek S.; Ramesh S.; Babu M.D.; Laxmipriya S.; Priya V.	<a href="#">Experimental study of biodegradability of organic waste with industrial waste combined with effluents: A comparison by vermicomposting technology</a>	Global Nest Journal	26	3				2024
32	Nathiya N.; Rajan C.; Geetha K.	<a href="#">An energy-efficient cluster routing for internet of things-enabled wireless sensor network using mapdiminution-based training-discovering optimization algorithm</a>	Sadhana - Academy Proceedings in Engineering Sciences	49	1				2024
33	Sathishkumar P.; Rajan C.; Geetha K.	<a href="#">A constructive Steiner graph matching for Radio frequency identification device tag detection in wireless and internet of things environment</a>	International Journal of Communication Systems	37	11				2024
34	Poornima S.; Manikandan S.; Prakash R.; Deena S.R.; Subbaiya R.; Karmegam N.; Kim W.; Govarthanam M.	<a href="#">Biofuel and biochemical production through biomass transformation using advanced thermochemical and biochemical processes – A review</a>	Fuel	372					2024
35	Jawaharlal V.; Natarajan R.	<a href="#">Climatic influence on solar salt pans with specific reference to Thoothukudi district</a>	Global Nest Journal	26	7				2024

36	Balakrishnan K.; Sreekumar S.; Arumugam K.; Gupta P.K.	<a href="#">Nano cerium oxide loaded magnetic multi-walled carbon nanotubes nanocomposite for anti-cancer and anti-bacterial applications</a>	Biocatalysis and Agricultural Biotechnology	57					2024
37	Arunraja L.; Srividhya B.; Bakkiyaraj R.; Periyasami G.; Karthikeyan P.	<a href="#">Developing zinc oxide-doped cadmium sulfide nanocomposites chemically for oxygen gas sensing properties via annealing effects</a>	Journal of the Indian Chemical Society	101	11				2024
38	Nehru G.; Balakrishnan R.; Swaminathan N.; Tadi S.R.R.; Sivaprakasam S.	<a href="#">Heparosan biosynthesis in recombinant Bacillus megaterium: Influence of N-acetylglucosamine supplementation and kinetic modeling</a>	Biotechnology and Applied Biochemistry	71	6	1346	1359		2024
39	Satheeskumar S.; Surendhiran S.; Shanthy C.; Panneerselvam A.; Senthilkumar S.; Bhuvaneshwari B.V.	<a href="#">A sustainable strategy to improve photocatalytic degradation properties of CuO and CuO-rGO nanocomposite using Eucalyptus leaf extract</a>	Journal of the Indian Chemical Society	101	11				2024
40	Ahmed S.S.Z.; Khader S.Z.A.; Valliammal E.M.; Ali S.R.; Senthilkumar M.; Venkatachalam M.; Saravanan N.; Senthilkumaran D.	<a href="#">Muntingia Calabura Silver Nanoparticles Deteriorate Oxidative Impairment With Potent Antibacterial Activity</a>	International Journal of Applied Pharmaceutics	16	6	340	344		2024
41	Sivakumar K.; Saravanan D.; Mani K.; Krithika S.M.U.; Saravanan K.; Prakash C.	<a href="#">Antimicrobial, UV-repellent and comfort properties of various herbal treated fabrics</a>	Indian Journal of Fibre and Textile Research	49	1	58	62		2024
42	Vendra V.P.R.; Thangapandian M.	The importance of the fourth Greek key motif of human $\gamma$ D- crystallin in maintaining lens transparency—the tale told by the tail	Molecular Vision	30		37	48		2024
43	Karthikeyan S.; Mohan K.	<a href="#">Predicting the Mechanical Properties of Friction-Stir-Welded AA7068-T6 Joints Using an Adaptive Neuro-Fuzzy Inference System</a>	Transactions of the Indian Institute of Metals	77	11	4101	4112		2024
44	Subbaiyan R.; Ganesan A.	<a href="#">In vitro and in vivo assessment of antimicrobial, enzymatic, and antifouling properties of self-potent lichen symbiotic bacteria</a>	Biotechnology and Applied Biochemistry	71	2	446	459		2024
45	Venkatesan S.; Thaimanavan K.T.R.; Bhuvana S.	<a href="#">Investigating the Impact of Physical and Mechanical Characteristics of Palf/Glass Fiber Reinforced In Epoxy Resin</a>	International Research Journal of Multidisciplinary Technovation	6	6	71	79		2024
46	Prasath B.; Akila M.	<a href="#">AETC: an automated pest detection and classification model using optimal integration of Yolo + SSD and adaptive ensemble transfer CNN with IoT-assisted pest images</a>	Knowledge and Information Systems	66	11	7077	7108		2024
47	Ganesh Babu A.; Saravanakumar S.S.; Balavairavan B.; Senthamaraiannan P.	<a href="#">Modification of rice hull powder by in situ generation of silver nanoparticales for antibacterial composite filler applications</a>	Macromolecular Research	32	7	653	661		2024
48	Chakaravarthi P.; Kumaravel A.; Umamaheswari K.	<a href="#">Tribological properties of aluminium metal matrix composites at various temperatures – a review</a>	Interactions	245	1				2024

49	M T.; P S.K.; P A.; V V.; R V.	<a href="#">Enhanced reddish-orange luminescence from Sm<sup>3+</sup>/Ag co-doped barium zinc borophosphate glasses: Structural and Judd-Ofelt analysis</a>	Journal of Non-Crystalline Solids	625					2024
50	Bharani M.; Gowda R.V.M.; Prakash C.	<a href="#">Bending and Shear Property of Fabrics Produced from Trevira CS and Its Blends</a>	Fibers and Polymers	25	3	1111	1126		2024
51	Kavitha K.; Navaneethan D.; Balagurunathan R.; Subramaniam R.T.; Shaik M.R.; Guru A.	<a href="#">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</a>	Molecular Biology Reports	51	1				2024
52	Gurunathan S.; Rashma M.; Premalatha C.; Rajendrakumar K.	Three-layered sweat pad with quick drying functionality	Asian Textile Journal	33	7-Jun	25	29		2024
53	Naren Vidaarth T.M.; Surendhiran S.; Jagan K.S.G.; Savitha S.; Balu K.S.; Karthik A.; Kalpana B.	<a href="#">Surface chemistry of phytochemical enriched MgO nanoparticles for antibacterial, antioxidant, and textile dye degradation applications</a>	Journal of Photochemistry and Photobiology A: Chemistry	448					2024
54	Srinivasan S.; Arumugam K.; Venkatachalam R.; Wong L.S.	<a href="#">Enhanced photocatalytic and supercapacitor performance of CeO<sub>2</sub> nano foam integrated MWCNT and rGO nanocomposites</a>	Journal of the Indian Chemical Society	101	12				2024
55	Prakash K.; Geetha B.G.	<a href="#">Potato Plant Leaf Disease Detection Distinctive Deep Attention Convoluted Network (DACN) Mechanism</a>	Iranian Journal of Science and Technology - Transactions of Electrical Engineering	48	4	1567	1593		2024
56	Kanagaraj A.; Senthamaraiannan P.; Selvaraj R.C.A.; Karthic S.; Divakaran D.; Suyambulingam I.; Siengchin S.	<a href="#">Physiochemical profiling of bioplasticizer derived from Ficus benghalensis leaves for eco-friendly applications</a>	Industrial Crops and Products	222					2024
57	Thirumoorthy P.; Velusamy S.; Nallasamy J.L.; Shanmugamoorthy M.; Sudalaimuthu G.; Veerasamy S.; Periyasamy M.; Murugasamy M.V.	<a href="#">Evaluation of groundwater quality for irrigation purposes in hard rock terrain of Southern India using water quality indices modelling</a>	Desalination and Water Treatment	318					2024
58	Priyadarshini E.; Kumar R.; Balakrishnan K.; Pandit S.; Kumar R.; Jha N.K.; Gupta P.K.	<a href="#">Biofilm Inhibition on Medical Devices and Implants Using Carbon Dots: An Updated Review</a>	ACS Applied Bio Materials	7	5	2604	2619		2024
59	Rajasekaran N.; Muniraj C.; Venkatesan T.; Kumaravel A.	<a href="#">Analysis of electrical behavior in LDPE/BaTiO<sub>3</sub> ceramic filler nanocomposites for electrical cable insulation applications</a>	Journal of Ceramic Processing Research	25	1	104	118		2024
60	Satheeshkumar D.; Saravanan K.; Prakash C.	<a href="#">A Study on the Moisture Management Properties of Banana/Bamboo Blended Fabrics</a>	Fibers and Polymers	25	11	4469	4478		2024
61	Poornima S.; Dadi M.; Subash S.; Manikandan S.; Karthik V.; Deena S.R.; Balachandar R.; Kumaran S.K.N.; Subbaiya R.	<a href="#">Review on advances in toxic pollutants remediation by solid waste composting and vermicomposting</a>	Scientific African	23					2024

62	Mathan S.; Selvaraj M.; Assiri M.A.; Kandiah K.; Rajendran R.	<a href="#">Synthetic nanoarchitectonics with ultrafast Joule heating of graphene-based electrodes for high energy density supercapacitor application</a>	Surfaces and Interfaces	51					2024
63	Tamilarasu K.; Ranjith R.; Maadeswaran P.; Ramesh R.; Thammasak R.; Periyasami G.; Karthikeyan P.; Umarani C.	<a href="#">Investigating the effect of MoS<sub>2</sub>-SnS<sub>2</sub> heterojunction to enhance the decomposition of organic pollutants under visible light irradiation</a>	Journal of Materials Science: Materials in Electronics	35	8				2024
64	Tambe S.; Nag S.; Pandya S.R.; Kumar R.; Balakrishnan K.; Kumar R.; Kumar S.; Amin P.; Gupta P.K.	<a href="#">Revolutionizing Leishmaniasis Treatment with Cutting Edge Drug Delivery Systems and Nanovaccines: An Updated Review</a>	ACS Infectious Diseases	10	6	1871	1889		2024
65	Sundaram K.; Sri Preethaa K.R.; Natarajan Y.; Muthuramalingam A.; Ali A.A.Y.	<a href="#">Advancing building energy efficiency: A deep learning approach to early-stage prediction of residential electric consumption</a>	Energy Reports	12		1281	1292		2024
66	Vithya B.; Saravanakumar S.S.; Senthamarai Kannan P.; Murugan R.	<a href="#">Extraction and characterization of a potential plasticizer from Vachellia nilotica</a>	Industrial Crops and Products	222					2024
67	Vithya B.; Saravanakumar S.S.; Senthamarai Kannan P.; Murugan R.	<a href="#">Extraction and characterization of microcrystalline cellulose from Vachellia nilotica plant leaves: A biomass waste to wealth approach</a>	Physiologia Plantarum	176	3				2024
68	Murugesan B.; Madhan D.; Devabharathi V.; Senthil Kumar D.; Aruna Christy T.; Surendhiran S.; Balamurugan A.; Syed Khadar Y.A.	<a href="#">Phytofabrication of MgO NPs wrapped on exfoliated g-C<sub>3</sub>N<sub>4</sub> for anti-oxidant, antimicrobial degradation of toxic contaminants in water bodies</a>	Inorganic Chemistry Communications	170					2024
69	Jaganathan M.; Surendhiran S.; Savitha S.; Vidaarth T.M.N.; Jagan K.S.G.; Karthik A.; Balu K.S.; Kalpana B.	<a href="#">Industrial dye effluent degradation and in-vitro biological characteristics of MgO NPs anchored few layered g-C<sub>3</sub>N<sub>4</sub> nanoribbons</a>	Diamond and Related Materials	144					2024
70	Subbaiyan R.; Ganesan A.; Varadharajan V.; Jeyachandran P.R.; Thangavel H.	<a href="#">Formulation and validation of probioticated foxtail millet laddu as a source of antioxidant for biological system using response surface methodology</a>	Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology]	55	1	647	661		2024
71	Surendhiran S.; Balu K.S.; Karthik A.; Rajendran V.	<a href="#">Biogenic synthesis of CeO<sub>2</sub> nanoparticles via moringa oleifera seed extract: Photocatalytic and biological activity for textile dye degradation</a>	Journal of the Indian Chemical Society	101	10				2024
72	Sharmiladevi S.; Ramesh N.; Prabhu S.V.; Mayakannan S.	<a href="#">Microwave-assisted functionalized biosorbent preparation using seed gum of Tamarindus indica: characterization and evaluation of Cr(VI) removal potency from tannery effluents</a>	Biomass Conversion and Biorefinery	14	12	13533	13545		2024
73	Subramani K.; Wutthithien P.; Saha R.; Lindblad P.; Incharoensakdi A.	<a href="#">Characterization and potentiality of plant-derived silver nanoparticles for enhancement of biomass and hydrogen production in Chlorella sp. under nitrogen deprived condition</a>	Chemosphere	361					2024

74	Karthik A.; Jeyakumar R.; Sampath P.S.; Soundararajan R.; Manikandan G.K.	<a href="#">Study and Fabrication of Fan Blade Using Coconut Leaf Sheath Fibre/Epoxy-Reinforced Composite Materials</a>	Journal of The Institution of Engineers (India): Series D	105	1	405	412	2024
75	Easwaran P.; Ramesh S.; Deepanraj C.G.	<a href="#">The effect of artificial metakaolin coarse aggregate on the mechanical and durability properties of lightweight geopolymers concrete</a>	Global Nest Journal	26	9			2024
76	P S.; Palaniappan K.; Duraipandi B.; Balasubramanian U.M.	<a href="#">Dynamic behavioral profiling for anomaly detection in software-defined IoT networks: A machine learning approach</a>	Peer-to-Peer Networking and Applications	17	4	2450	2469	2024
77	Siddharthan B.; Kumaravel A.	<a href="#">Wear behaviour of titanium diboride and zirconium carbide reinforced LM13 hybrid composite for automotive applications</a>	Materialprüfung/Materials Testing	66	11	1829	1842	2024
78	Subbaiyan R.; Ganesan A.; Dhanuskodi S.	<a href="#">Scientific Investigation of Antifouling Activity from Biological Agents and Distribution of Marine Foulers—Coastal Areas of Tamil Nadu</a>	Applied Biochemistry and Biotechnology	196	3	1752	1766	2024
79	Mohan G.; Raja M.S.; Swathi S.; Ganesh E.N.	<a href="#">A novel breast cancer diagnostic using convolutional squared deviation neural network classifier with AI-Biruni Earth Radius optimization in medical IoT system</a>	e-Prime - Advances in Electrical Engineering, Electronics and Energy	7				2024
80	Sarumathi S.; Reshma N.; Mathivanan S.; Malarkhodi S.	<a href="#">An Improved Attribute Subset Selector for Alzheimer's Disease Prediction</a>	International Journal of Computer Theory and Engineering	16	3	87	93	2024
81	Prabakaran K.; Lalithamani N.; Kiruthika K.; Wirtu K.	<a href="#"><math>\alpha</math>-F-CONVEX CONTRACTION MAPPINGS IN b-METRIC SPACES AND UNIQUENESS IN FIXED POINT THEOREMS</a>	Journal of Applied Mathematics and Informatics	42	6	1251	1259	2024
82	Mariyappan M.; Suthanthirakumar P.; Nagaraj R.; Vasudevan V.; Chitra L.; Kumar A.S.; Ramakrishnan S.; Hari J.V.; Abitha P.; Subasabarish M.S.	<a href="#">Generation of white light on Dy<sup>3+</sup>-ions activated Zinc fluoroborate glasses and luminescence studies</a>	Journal of Optics (India)					2024
83	Senthilvadivu K.; Eswaramoorthi S.; Loganathan K.; Ali R.	<a href="#">Homogeneous-Heterogeneous reactions on Darcy-Forchheimer flow of SWCNTs/MWCNTs over a bidirectional Riga plate with nonlinear radiation and non-uniform heat source/sink</a>	Modern Physics Letters B					2024
84	Khader S.Z.A.; Syed Zameer Ahmed S.; SyedAmeen S.T.; Chinnaperumal K.	<a href="#">Modulation of Proinflammatory Cytokines by Parmotrema reticulatum Derived Dioxepine Derivative and Benzoic Methyl Ester in Adjuvant-Induced Arthritis</a>	Chemistry and Biodiversity					2024
85	Balamurugan R.; Nithya R.	<a href="#">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]</a>	Informatyka, Automatyka, Pomiary w Gospodarce i Ochronie Środowiska	14	3	68	70	2024

86	Raja K.; Senthil Kumar M.S.; Karthik A.; Kumar L.S.	<a href="#">Enhancing Drilling Performance in Natural Fiber-Reinforced Biocomposites Using Taguchi Method for Sustainable Manufacturing</a>	Journal of Environmental Nanotechnology	13	3	246	252	2024
87	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
88	Vijaya Sundravel K.; Soundar Rajan M.; Ramesh S.; Jegatheeswaran D.	<a href="#">Innovative use of microbially induced calcite precipitation and zeolite for enhanced self-healing concrete</a>	Revista Materia	29	3			2024
89	Kavinshankar R.; Tamilarasan K.; Yuvaraj K.	<a href="#">Mechanical and Durability Performance of Concrete using Dolomite Powder and Pond Ash as Cement Replacements</a>	Journal of Environmental Nanotechnology	13	4	149	154	2024
90	Raja S.; Ali R.M.; Surakasi R.; Sudha D.R.; Karthick S.; Karthikeyan S.; Nagabhooshanam N.; Subramanian J.; Selvaraj V.K.	<a href="#">Surface metamorphosis techniques for sustainable polymers: Optimizing material performance and environmental impact</a>	Applied Chemical Engineering	7	3			2024
91	Kavitha R.; Ramachandran M.; Salau A.O.	<a href="#">Assessing the Efficacy of Chosen Herbal Antimicrobial Treatment for the Creation of Eco-Friendly Bamboo-Cotton Bandages</a>	Journal of Natural Fibers	21	1			2024
92	Arulkumar A.; Babu P.	<a href="#">Human hand gesture recognition using fast Fourier transform with coot optimization based on deep neural network</a>	Network: Computation in Neural Systems	35	4	488	519	2024
93	Rathinavel S.; Saravanakumar S.S.; Prithviraj M.; Dhanamurugan A.; Karthikeyan J.; Banu T.; Selvapreethi G.	<a href="#">Examining the Potential for Employing Biowaste Prosopis juliflora Bark as an Additive in Particulate-Reinforced Polymer Based Composite Materials</a>	Waste and Biomass Valorization					2024
94	Tamilarasu K.; Ranjith R.; Priyadharsan A.; Rojviroon T.; Maadeswaran P.; Suganya S.; Umarani C.	<a href="#">Hierarchical MoS<sub>2</sub>-SnS<sub>2</sub>@g-C<sub>3</sub>N<sub>4</sub> Nanocomposite as an Efficient and Sustainable Material for Environmental Remediation</a>	Journal of Cluster Science	35	2	561	573	2024
95	Pratheesh K.; Kaliappan S.; Natrayan L.; Arthanarieswaran V.P.	<a href="#">Dry and wet sliding, fatigue, creep and mechanical properties of AA-7475 metal matrix composite reinforced with Si<sub>2</sub>N<sub>2</sub>O from rice husk ash</a>	Journal of the Australian Ceramic Society					2024
96	Senthilvadivu K.; Eswaramoorthi S.; Loganathan K.; Alessa N.	<a href="#">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</a>	Nano					2024
97	Senthilvadivu K.; Eswaramoorthi S.; Loganathan K.; Thameem Basha H.	<a href="#">Numerical tackling for MHD Darcy-Forchheimer flow of water-based CNTs in a rotating frame with homogeneous-heterogeneous reactions: An artificial neural network approach</a>	Numerical Heat Transfer, Part B: Fundamentals					2024



98	Sundaram S.; Kumarasamy M.	<a href="#">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]</a>	Journal of the Serbian Chemical Society	89	10	1387	1399	2024
99	Sharma M.; Shah R.; Saraf A.; Kumar R.; Maheshwari R.; Balakrishnan K.; Nair A.; Kumar R.; Gupta P.K.	<a href="#">Current advances in the therapeutic potential of nanomedicines for pulmonary disorders</a>	Emergent Materials					2024
100	Vidhyasankari N.; John R.R.; Senthilmurugan P.R.; Vishnupriya V.	<a href="#">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</a>	Journal of Indian Prosthodontic Society	24	3	245	251	2024
101	Sukantha T.A.; Renuka P.; Sivakumar V.; Meenachi S.; Kandasamy S.	<a href="#">Dye disappearing act: unveiling the mystique of Acid Violet 4BS adsorption with Xanthium strumarium-derived activated carbon</a>	Biomass Conversion and Biorefinery					2024
102	Senthilvadivu K.; Loganathan K.; Abbas M.; Alqahtani M.S.	<a href="#">Numerical study of blood-based MHD tangent hyperbolic hybrid nanofluid flow over a permeable stretching sheet with variable thermal conductivity and cross-diffusion</a>	Open Physics	22	1			2024
103	Jagan K.S.G.; Surendhiran S.; Savitha S.; Balu K.S.; Karthik A.	<a href="#">Distinct nickel-precursor synthesized NiO NPs on the degradation of biological staining dyes: a green route</a>	Journal of Materials Science: Materials in Electronics	35	2			2024
104	Savitha S.; Surendhiran S.; Balu K.S.; Karthik A.	<a href="#">In-vitro and bio-electrochemical characteristics of phytochemical enriched Co3O4 nanoparticles loaded biomimetic scaffold for preclinical analysis</a>	Polymers for Advanced Technologies	35	1			2024
105	Senthilvadivu K.; Eswaramoorthi S.; Loganathan K.; Abbas M.	<a href="#">Time-dependent Darcy–Forchheimer flow of Casson hybrid nanofluid comprising the CNTs through a Riga plate with nonlinear thermal radiation and viscous dissipation</a>	Nanotechnology Reviews	13	1			2024
106	Sathesh Kumar T.; Venkatesan T.	<a href="#">A Techno-Economic Optimal Evaluation and Feasibility Analysis of Hybrid Microgrid Electrification for Smart Cities in Tamil Nadu</a>	Electric Power Components and Systems	52	11	1981	1997	2024
107	Kaladevi P.; Kanimozhi N.; Nirmala B.; Sivasankari R.	<a href="#">Morpho-contour exponential estimation algorithm for predicting breast tumor growth from MRI imagery</a>	International Journal of Information Technology (Singapore)					2024
108	Shanmugam A.; Ponnusamy K.	<a href="#">A 0.75V 10nm FinField-Effect Transistor Based Hybrid Self Controlled PreCharge Free Content Addressable Memory for Low Standby Power Applications</a>	International Journal of Electronics	111	10	1679	1699	2024

109	Ponnusamy C.; Uddandrao V.V.S.; Sasikumar V.; Prabhu P.; Ganapathy S.	<a href="#">Partially Purified Polysaccharides from <i>Lentinus edodes</i> (Mushroom) Scavenge Free Radicals and Induce Apoptosis in MCF-7 Cancer Cells by Regulating Apoptotic Genes</a>	Indian Journal of Pharmaceutical Education and Research	58	2	535	545	2024
110	Subbaiyan R.; Ganesan A.; Dhanuskodi S.; Prakash H.P.; Varadharajan V.	<a href="#">Virtual screening of the natural antifoulants: In silico approach to screen lichen metabolites against marine biofoulers</a>	Environmental Progress and Sustainable Energy	43	1			2024
111	Siddharthan B.; Arumugam K.	<a href="#">Identifying stir casting process parameters to maximize strength of LM13 with TiB<sub>2</sub> and ZrC hybrid metal matrix composite</a>	Materialprüfung/Materials Testing	66	1	117	128	2024
112	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
113	Velumani D.; Mageshkumar P.; Yuvaraj K.	<a href="#">Properties of Binary and Ternary Blended Cement Containing Pond Ash and Ground Granulated Blast Furnace Slag</a>	Polish Journal of Environmental Studies	33	1	443	454	2024
114	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
115	Sudha P.; Ramesh S.; Jagadeesan R.; Yuvaraj K.	<a href="#">Study of mechanical properties of self-adhesive mortars with sugar cane bambaasse ash and silica activator</a>	Journal of Ceramic Processing Research	25	1	1	15	2024
116	Kandasamy Y.; Kumarasamy V.; Murugan S.; Singaraj R.	<a href="#">Utilizing binary ternary blended metakaolin and ground pond ash for reduced carbon footprint emissions and improved mechanical properties in concrete</a>	Revista Materia	29	1			2024
117	Kandasamy Y.; Thangavel B.; Sukumar K.K.; Ravi B.	<a href="#">Strength properties of engineered cementitious composites containing pond ash and steel fiber</a>	Revista Materia	29	1			2024
118	Selvaraj S.K.; Saravanan K.	<a href="#">Characterization and potential applications of <i>Grewia hirsuta</i> fibers: nature's own composite materials</a>	Biomass Conversion and Biorefinery					2024
119	Rajagopal D.; Kumaravel A.; Arunprasath S.; Dinesh Babu M.; Elayaraja S.	<a href="#">Finite Element Modeling of Beam with Piezoelectric/Piezomagnetic Sensors under Uniform Temperature</a>	Journal of Ceramic Processing Research	25	1	119	130	2024