

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous)

Tiruchengode - 637 215. Namakkal Dt. Tamil Nadu

No. of Articles: 29

List of Book/ Book Chapter/ Editorial Publications

Calendar year: 2025

S.No	Authors	Title	Source title	Vol.	Issue	S. Page	E. Page	Year
1	Buwa V.; Khan N.; Selvaraj R.C.A.; Nlebedim V.	Quality control and inspection techniques with AI and ML	Artificial Intelligence in Food Science: Transforming Food and Bioprocess Development			425	445	2025
2	Karthikeyan K.; Vignesh S.; Hemalatha S.	Introduction to Distributed Systems	Distributed and Parallel Computing			1	38	2025
3	Elayabharathi S.; Kavya N.; Swathy T.	Future Trending in EPS Research	Extracellular Polysaccharides			105	151	2025
4	Flora B.; Singh A.K.; Kumar R.; Balakrishnan K.; Singh A.; Gupta P.K.	Antimicrobial Properties of Green Biomaterials	ACS Symposium Series	1497		141	173	2025
5	Sarkar S.; Selvaraj R.C.A.; Milwood U.	Computational intelligence for plant-based alternatives	Artificial Intelligence in Food Science: Transforming Food and Bioprocess Development			219	241	2025
6	Arul Selvaraj R.C.; Ganesh S.S.; Ramasamy Y.; Jayakumar V.; Akinlabi E.T.; Oke S.A.	Development of Biodegradable Materials	Advanced Manufacturing Technologies in Biomedical Science: Practical Applications, Case Studies, and Future Trends			199	218	2025
7	Sakthivel M.; Jaganathan A.T.; Mohanraj M.; Selvakumar P.; Mohit; Manjunath T.C.	Brand loyalty through AI and personalisation AI-generated content for financial marketing	Intersecting Natural Language Processing and FinTech Innovations in Service Marketing			77	95	2025
8	Selvaraj R.C.A.; Elumalai C.; Sekar D.A.; Kavin S.; Angamuthu M.	Energy efficiency in the meat and meat processing sector: Introduction to energy efficiency in the meat industry	Energy Efficient Technologies for Food Safety, Quality, and Security			99	125	2025
9	Hemalatha S.; Thangarajan R.; Sakthivel K.; Karthikeyan K.	Artificial Intelligence and Machine Learning in Cybersecurity	Cybersecurity Unlocked: Cryptography, Network Security, Data Protection			313	342	2025
10	Balaji R.; Karthik R.; Kiran A.; Obuli Prasad J.	SnapCatch: A Blockchain-Integrated Multimodal Generative AI Framework for Covert Timing Channel Detection in Digital Media	Fusion of Multimodal Generative AI and Blockchain Technology in Digital Media			257	286	2025
11	Biswal S.S.; Kumar R.; Maurya A.K.; Balakrishnan K.; Gupta P.K.; Mishra M.	Nanotechnology for cancer imaging	IoT-WSN-DT Based Medical Systems and Nanotechnology for Smart Cancer Care			217	238	2025

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12	Nagaraj C.T.; Premkumar M.; Shukla D.K.; Sharma M.; Selvakumari R.; Kiruthika K.	Computational methods for t-norms under the PS-sub algebra and ideals in fuzzy PS-algebra	Recent Innovations in Sciences and Humanities: Highlights the state-of-art developments and innovations which impacts science and engineering			1	4	2025
13	Maruthamuthu Shanmugam S.K.; Palaniappan S.K.; Aruchamy K.; Krishnan R.; Mavinkere Rangappa S.; Siengchin S.	Environmental concerns about the eco-consciousness of fibers and polymers	Eco-Friendly Fiber Reinforced Polymer Composite Materials: Characterization, Applications, and Life Cycle Analysis			15	43	2025
14	Vijayalakshmi V.; Sibikumar S.; Prabha K.	Extracellular Polysaccharides (EPS) and Fermented Foods	Extracellular Polysaccharides			175	200	2025
15	Jenifel M.G.; Kanmani P.; Kumari K.S.; Geetha B.G.; Lakshmi S.S.S.; Deepika D.	A Multimodal Stress Detection System with Wearable Sensors Using Machine Learning and Deep Learning Approaches	Signals and Communication Technology	Part F76		313	320	2025
16	M. B.; P. S. S.; A. K.; G. U.; Palanisamy S.; Deshmukh G.S.	Polymeric bionanocomposites: Mechanical, thermal, and rheological properties	Polymer Nano-Biocomposites: Preparation, Properties and Applications			205	224	2025
17	Balamurugan R.; Selvakumar M.; Abid Z.; Azahad S.; Nidhya M.S.	Industrial Sensors in Smart Transportation System	Lecture Notes in Intelligent Transportation and Infrastructure	Part F64		91	104	2025
18	Sahaya Dennish Babu G.; Helen Ruth Joice G.; Sandhya Rani N.; Malarvizhi M.	Synthesis and Characterizations of Nanomaterials for Electronic Devices	Functionalized Nanomaterials for Electronic and Optoelectronic Devices: Design, Fabrications and Applications			35	64	2025
19	Ramya R.; Dhanasekaran D.; R S.K.; P K.	Applications of AI/ML and blockchain in IoT security	Internet of Things Security: Attacks, Tools, Techniques and Challenges			219	240	2025
20	Palanisamy P.; Satheskumar S.	Introduction to Chalcogenide-Based Nanocomposites Advances in Optoelectronics Energy Systems and Sustainability	Chalcogenide-Based Materials for Optoelectronics, Energy, and Sustainability			1	38	2025
21	Sathish S.; Vijayakumar S.; Anandakrishnan V.; Baskaran M.; Ananthakumar K.	The role of nanomaterials on the strength behavior of automobile composites	Sustainable Composites for Automotive Engineering			47	67	2025
22	Sakthivel M.; Jaganathan A.T.; Mohanraj M.	E-commerce platforms influence consumer buying behaviour towards FMCG products	Practical Frameworks for New-Age Digitalization Business Strategy			207	234	2025
23	Tamilvanan K.; Revathi N.; Almalki Y.; Uthirasamy N.	Fixed-Point Method: Stability Results of Functional Equation Deriving from Additive-Quadratic Mappings in 2-Banach Spaces	Industrial and Applied Mathematics	Part F464		157	180	2025

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24	Lakshmanan V.; Manikandan D.; Hari Prasad S.	Hybrid Laser Cladding Process	Tailoring of Engineering Material Properties through Laser Cladding: Metallurgical, Mechanical and Tribological Properties			58	77	2025
25	Palanisamy S.; Jayachandran P.R.; Eswaran S.; Balu R.D.; Senthilkumar A.; Saravanavelan G.	Production Cost of Conventional Fertilizers and Nanofertilizers	Nanofertilizers for Sustainable Agriculture: Assessing Impacts on Health, Environment, and Economy			341	354	2025
26	Prabu Shankar K.C.; Chandraprabha K.; Senthil Raja K.; Kanmani P.	Foundations of Quantum Computing and Machine Learning	Quantum Computing and Artificial Intelligence: The Industry Use Cases			225	246	2025
27	Palanisamy S.; Jayachandran P.R.; Saravanavelan G.; Karuppaiah K.	Mechanisms of Release of Nanofertilizer's Nutrients (Nanonutrients) in Soil for Sustaining Agro-System	Nanofertilizers in Agriculture: Synthesis, Mechanisms, and Effect on Plants			205	238	2025
28	Deeba K.; Ramya S.R.; Geetha B.G.; Shantha Kumari K.	Quantum Computing AI for Climate Modeling	Quantum Computing and Artificial Intelligence: The Industry Use Cases			247	260	2025
29	Dutta D.; Manuri S.; Sathish Kumar N.K.; Kumar P.; Sidhu V.K.; Roy A.	Role Of Nanotechnology In Nutraceuticals	The Nature of Nutraceuticals: History, Properties, Sources, and Nanotechnology			115	139	2025