



Publication 2025

S.No	Authors	Title	Source title	DOI
1	Thanh Cong, N.; Gobhikasri, T.; Natarajan, A.	Bio-inspired synthesis of heterogeneous transition metal complexes and its catalytic activity towards energy applications	Renewable Energy	10.1016/j.renene.2025.123863
2	Anusuya, N.; Saranya, J.; Angulakshmi, V.S.; Vagdevi, K.; Zarrouk, A.	Experimental and Computational studies on the prevention of mild steel in sulphuric acid medium using bis-pyrimidine derivatives as corrosion inhibitors	Journal of Molecular Structure	10.1016/j.molstruc.2025.143134
3	Praveen, S.; Prabakarakrishnan, R.; Parinamachivayam, G.; Natarajan, A.; Elumalai, E.P.; Geetha, K.; Arunachalam, A.; Alharbi, S.A.; Arivalagan, A.; Kandasamy, S.; Hasan, N.	Advanced synthesis, comprehensive characterization, and potent cytotoxicity of 2,6-Bis(2-aminophenylimino)methyl)-4-methoxyphenol and its binuclear copper(II) complex	Scientific Reports	10.1038/s41598-025-89381-7
4	Mathiyazhagan, M.; Alshehri, M.A.; Natarajan, A.	Catalytic and thermochemical conversion of algal biomass to high-quality biofuel: A sustainable approach	Journal of the Taiwan Institute of Chemical Engineers	10.1016/j.jtice.2024.105901
5	Suresh, S.N.; Wadaan, M.A.; Subramani, R.; Natarajan, A.	Effect of k-casein-chlorella-carvacrol coating for enhancing shelf life of sapodilla fruit	Journal of the Taiwan Institute of Chemical Engineers	10.1016/j.jtice.2024.105859
6	Manivannan, M.; Kumar, N.M.; Ponmurugan, P.; Subramanian, A.; Eswaranpillai, U.	Microalgae derived bioactive compounds and their biological activities and sustainable applications: A review	Research Journal of Biotechnology	10.25303/2012rjbt2960313
7	Mohana Priya, E.; Uma, E.; Mitra, D.; TamilSelvi, K.S.	Preliminary assessment of domestic well water quality and heavy metal	Cleaner Water	10.1016/j.clwat.2025.100177

		contamination near Orathupalayam dam, India		
8	Sharma, R.D.; Thangadurai, P.	Sustainable bioprocessing of <i>Hermetia illucens</i> exuviae into structurally defined chitooligosaccharides within a circular biorefinery framework	Bioresource Technology Reports	10.1016/j.biteb.2025.102400
9	Sarkawi, M.; Sharma, R.; Venkatesan, G.; Ahuja, T.; Panda, S.; Prakash, J.; Kuramitz, H.; Devi, K.S.S.	Plasmonic fingerprinting: next-generation SERS architectures for sensitive heavy metal quantification	Talanta Open	10.1016/j.talo.2025.100554
10	Elias, J.K.; Sahithya, B.R.; Paviyazhini, K.S.	Mediating role of personality dysfunction and perceived stress on the relationship between stressful life events and psychological well-being among young adult women in India	Discover Psychology	10.1007/s44202-025-00409-5
11	G, A.V.; V, S.; N, P.; S M, H.R.; Jaroszewicz, Z.; K B, R.	Enhanced performance of SPR sensor using PbTiO ₃ and BlueP/WS ₂ on Al-Co bimetal for urine glucose sensing application	Results in Optics	10.1016/j.rio.2025.100873
12	Arthi, G.; Sivasangari, R.	Controllability Analysis of Fractional Damped Impulsive Stochastic Control Delay Systems With Lévy Noise	Mathematical Methods in the Applied Sciences	10.1002/mma.70073
13	Viji Gripsy, J.; Sowmya, M.; Meera, S.; Thendral, T.	Two-Factor Authentication (2FA) and Multi-factor Authentication (MFA) Solutions for Secure Mobile Data Communication		10.1515/9783111712895-012
14	Angel Ida Chellam, J.; Kowsalya, R.; Ramya, R.S.; Senthilkumar, S.	Post-quantum Cryptography for Enhanced Authentication in Mobile Data Communication: Resilience Against Quantum Attacks		10.1515/9783111712895-011
15	Suvarna, K.; Saranya, J.; Shanjitha, S.; Selvasekarapandian, S.; Benhiba, F.; Zarrouk, A.; Jone Kirubavathy, S.J.	Molecular dynamics simulation and development of biopolymer electrolyte membrane based on	Journal of Molecular Liquids	10.1016/j.molliq.2025.128743

		melezitose for energy storage devices		
16	Brindha, G.; Vidya, M.; Reshma, M.	AI-Driven Omnichannel Marketing and Customer Experience: A Bibliometric Overview	Indian Journal of Marketing	
17	Dharani, S.; Andal, N.M.	Discernment of Eco Benign Materials as Potent Pops' Encapsulants and Exploration in the Deployment of Secondary Pollution	Indian Journal of Environmental Protection	10.1007/s12221-025-01118-5
18	Thiyagarajan, A.; Subramaniam, N.; Thiyagarajan, V.; Pushparaj, C.; Kandasamy, S.; Rajendran K, S.; Subramani, R.	Betacyanin–curcumin smart films for detecting fresh chickn quality in real time	Sustainable Food Technology	10.1007/s11468-025-03123-z
19	Ananthi, P.; Srinivasulu, K.; Indu, G.K.; Hayavadana, J.; Kapoor, V.; Antony, V.A.R.; Rajeshkumar, C.; Prakash, C.	An Evaluation of the Thermal Comfort Properties of Synthetic Fibers and Their Blends in Knitted Fabrics	Fibers and Polymers	10.1016/j.materrresbull.2025.113550
20	Nikhita, R.; Priyadharsini, N.; Rahman, S.M.H.; Jaroszewicz, Z.; Rajesh, K.B.	High-Performance Copper-Based Surface Plasmon Resonance Sensor for the Detection of Blood Cancer Using Perovskite Cesium Lead Iodide and Black Phosphorus	Plasmonics	10.1016/j.intimp.2025.115387
21	Mathimani, J.; Ramachandran, S.; Devaraj, P.; Ramachandran, D.S.; Muthukaruppan, A.	Card-bisphenol-based hybrid polybenzoxazine composites for high-k dielectrics: Activated vs non-activated Phragmites karka carbon	Materials Research Bulletin	10.1016/j.jiec.2025.03.012
22	Bhuvaneshwari, V.; Amsaveni, R.	Emerging threat of scrub typhus: A call for greater awareness and research	International Immunopharmacology	10.4018/979-8-3373-3166-9.ch001
23	Appusamy, S.; Balakrishnan, P.D.; Rajendran, K.; Premkumar, T.; Kanchana, P.	Exploring novel ethyl carbazate salts of 2-thiobarbituric acid: DFT-based reactivity, antimicrobial docking, toxicological evaluation and nitrophenol reduction catalysis	Journal of Industrial and Engineering Chemistry	10.1201/9781003673835-19

24	Viji Gripsy, J.; Dhanalakshmi, P.; Sasikala, M.; Usha, M.; Ali, S.A.J.; Saravanan, S.	Security Protocols for IoT Communication in Post-Quantum Cryptography for Resilient Urban Development		10.1007/s13399-024-05440-5
25	Bhat, R.; Pillay, A.A.; Subramani, R.	Regulatory Aspects of Smart and Intelligent Packaging		10.1007/s13399-024-05325-7
26	Ganeshan, A.; Periakaruppan, R.; Vanathi, P.; Thirumalaisamy, S.K.; Vijai Selvaraj, K.S.; Moskovskikh, D.	<i>Ulva rigida</i> –mediated silver nanoparticles: synthesis, characterization, and antibacterial activity	Biomass Conversion and Biorefinery	10.1007/s13399-023-05200-x
27	Chandran, S.; Pricillia, A.; Natarajan, A.; Venkatesan, G.	Enhancing sustainability: chitosan biopolymers with Ag nanoparticles for eco-friendly applications in food packaging	Biomass Conversion and Biorefinery	10.1007/s13399-023-05126-4
28	Phuangchik, T.; Paramasivam, P.; Kandasamy, S.; Bunnag, S.; Boonyuen, S.	Investigating six types of bamboo charcoal for eco-friendly renewable energy generation	Biomass Conversion and Biorefinery	10.1007/s13399-023-04952-w
29	Gajendiran, K.; Ma, Y.; Kandasamy, S.; Sabour, A.A.A.; Alshiekheid, M.; Arivalagan, A.; Mathiyazhagan, M.	Tannery wastewater remediation competence of metal tolerant bacteria and fungi under the influence of chemically modified water hyacinth biochar: an in vitro evaluation	Biomass Conversion and Biorefinery	10.1007/s13399-023-04808-3
30	Mathiyazhagan, M.; Subramani, R.; Kandasamy, S.	Assessing pollutant sorption efficiency of modified and unmodified biochar with <i>Bacillus cereus</i> on contaminated lake water: implications for <i>Oryza sativa</i> seedling and <i>Artemia franciscana</i> larvae viability	Biomass Conversion and Biorefinery	10.1007/s13399-023-04783-9
31	Govindarajan, G.; Balu, C.; Ganesan, S.; Arulmani, S.R.B.; Kandasamy, S.	Antibiofilm activity of biosurfactant produced by a sponge-associated marine <i>Cobetia</i> sp. JCG-23	Biomass Conversion and Biorefinery	10.1007/s12033-025-01495-5

32	Mathiyazhagan, M.; Lee, J.; Barathi, S.; Kandasamy, S.	Marine bioresources are a boon for bioplastic production as an alternative to conventional plastics—a review	Biomass Conversion and Biorefinery	10.1016/j.carbon.2025.120826
33	Amritha, P.S.; Vinod, V.; Harathi, P.B.	Presence and Characterisation of Microplastics in Water from Sulur Lake, Tamil Nadu, India	Inland Water Biology	10.18280/isi.300908
34	Rathinavel, R.; Vasuki, S.; Sindhu, S.M.; Mothilal, T.M.; Srimathi, V.; Poornima, B.; Bhuvaneswari, M.; Hariharan, M.	Correction: FDA-Approved Chimeric Antigen Receptor (CAR)-T Cell Therapy for Different Cancers-A Recent Perspective (Molecular Biotechnology, (2025), 67, 2, (469-483), 10.1007/s12033-024-01090-0)	Molecular Biotechnology	10.18280/mmep.120919
35	Rahupathy, S.; Sivanandhan, M.; Amutha, A.	Designing pH-Functionalized carbon dots as white light emitting phosphor for cool white LED application	Carbon	10.1021/acsfoodscitech.5c00297
36	Sivaranjani, B.; Karpagavalli, S.	An Enhanced Class Attention Based Deep Bird Species Detection Network	Ingenierie des Systemes d'Information	10.1016/j.est.2025.117390
37	Bhavithra, H.A.; Kavitha, D.; Shobana, J.; Nila, M.; Devi, S.S.	Vaccination Thresholds and Bifurcation Analysis in a Measles SIR Model: A Comparative Numerical Study Using Variational Iteration Method and Runge-Kutta Method	Mathematical Modelling of Engineering Problems	10.1016/j.ijhydene.2025.150927
38	Abdul Azeez, M.K.; Merlin, M.; Suresh, S.N.; Jothipandiyar, S.; Pushparaj, C.; Subramani, R.; Nithyanand, N.	Edible Coating for Extending Prawn Shelf Life Using Synergistic Antimicrobial Combination of K-Casein, Chlorella, and Carvacrol	ACS Food Science and Technology	10.1007/s10895-025-04197-y
39	Subashini, C.; Sivasubramanian, R.; Minakshi, M.M.; Priyadharsini, N.	The evolution of allotropic forms of Na ₂ CoP ₂ O ₇ electrode and its role in future hybrid energy storage	Journal of Energy Storage	10.1007/s42976-025-00627-6
40	Nguyen, C.T.; Navanitha, D.; Natarajan, A.	Metal-induced heterogeneous	International Journal of Hydrogen Energy	10.1007/s42976-024-00614-3

		electrocatalyst for hydrogen evolution reactions		
41	Taneja, S.; Selva Kumar, S.K.; Pareek, B.; Venkatesan, G.; Periyasami, G.; Dineshkumar, D.	Effectively Controlling NIR Emissive Property and the ESIPT Behavior of Modified Styryl Dyes by Atomic Substituent: DFT/TD-DFT Approach	Journal of Fluorescence	10.1007/s13399-023-05239-w
42	Shajitha, P.; Nisha, R.; Sivasamy, M.; Jayaprakash, P.; Vikas, V.K.; Gajalakshmi, K.; Mallick, N.; Babu, P.; Yadav, R.; Vijaishree, S.; Akileshwaran, K.; Peter, J.; Geetha, M.; Suganya, C.; Kumar, C.A.; Balaji, V.; Gokulakrishna, M.; Sanjeth, V.	Correction to: Integrating solid stem and multiple disease resistance for developing climate-resilient wheat (<i>Triticum aestivum</i> L.) (Cereal Research Communications, (2025), 53, 3, (1715-1727), 10.1007/s42976-024-00614-3)	Cereal Research Communications	10.56042/ijftr.v50i3.11611
43	Shajitha, P.; Nisha, R.; Sivasamy, M.; Jayaprakash, P.; Vikas, V.K.; Gajalakshmi, K.; Mallick, N.; Babu, P.; Yadav, R.; Vijaishree, S.; Akileshwaran, K.; Peter, J.; Geetha, M.; Suganya, C.; Kumar, C.A.; Balaji, V.; Gokulakrishna, M.; Sanjeth, V.	Integrating solid stem and multiple disease resistance for developing climate-resilient wheat (<i>Triticum aestivum</i> L.)	Cereal Research Communications	10.29294/IJASE.12.1.2025.5286-5306
44	Ganesan, K.; Vanathi, P.; Sasthri, G.; Ganeshan, A.; Periakaruppan, R.	Green synthesis and characterization of Halymenia floresia-mediated silica nanoparticles with antibacterial potential for removal of heavy metals from water	Biomass Conversion and Biorefinery	10.29294/IJASE.12.1.2025.5247-5257
45	Kanimozhi, T.; Divya, R.; Suba, J.A.; Senthil Kumar, B.S.	Investigation of pH influence on madder-dyed cotton blends	Indian Journal of Fibre and Textile Research	10.1111/apm.70064
46	Surendran, N.; Prathambigai, S.S.; Chandrasekaran, G.; Manivannan, M.; Usunobun, U.; Gopukumar, S.T.; Okolie, N.P.; Anbazhagan, A.G.; Rajamani, R.	Harnessing Nature: Biopolymer-Based Strategies for Probiotic Encapsulation: An overview	International Journal of Advanced Science and Engineering	10.1007/s12039-025-02398-3

47	Lavanya, M.; Ramkumar, G.; Manikandan, R.; Kavitha, R.	Phosphorus Supplementation Alleviates Chromium Induced Toxicity in Solanum lycopersicum Plants by Antioxidant Defense System	International Journal of Advanced Science and Engineering	10.1002/cem.70063
48	Senthilkumar, P.; Suresh, S.N.; Wadaan, M.A.; Pushparaj, C.; Subramani, R.; Natarajan, A.	Kefir Grains in Self-Assembled Nanofibrils: Structural Role and Nutritional Applications	APMIS	10.1016/j.microb.2025.100460
49	Indumathi, K.; Abiram, A.; Praveena, G.	Structure and lowest excitation properties of the backbone-modified GC PNA dimers	Journal of Chemical Sciences	10.3934/dcdss.2024137
50	Dhanalakshmi, M.; Jinuraj, K.R.; Iqbal, M.; Sruthi, D.; Das, K.; Dave, S.; Andal, N.M.	Deciphering the Distinctive Features of Alpha-D-mannopyranoside Structure From Similar Structures Against FimH Through ANN and PCA: Insights and Perspectives	Journal of Chemometrics	10.1201/9781003645849-3
51	Vinothini, S.L.; Brindha, A.; Geethanjali, B.; Yuvanandhan, S.; Tamilselvi, S.; Bhuvaneshwari, V.; Amsaveni, R.	Isolation and characterization of protease-producing bacteria from metal-contaminated soil for thrombolytic therapy	Microbe (Netherlands)	10.1016/j.molstruc.2025.142236
52	Arthi, G.; Michaelraj, A.	H^∞ CONTROL FOR DISCRETE-TIME STOCHASTIC INTERCONNECTED SYSTEMS	Discrete and Continuous Dynamical Systems - Series S	10.1002/app.57178
53	Maniyan, R.; Chakkingal, G.; Kumar, N.M.S.; Raman, A.M.	Modernizing Finance The Fintech Revolution Powered by AI		10.1016/j.molstruc.2025.142045
54	Nagajothi, A.; Sudha, D.; Shanjitha, S.; Jone Kirubavathy, S.J.	Synthesis and evaluation of a [(2-Hydroxynaphthalene-1-Carbaldehyde)-(2-Benzothiazolamine 6-nitro)] Co-crystal: A fluorescent chemosensor for Fe ³⁺ detection with biomedical applications	Journal of Molecular Structure	10.1016/j.talo.2024.100394
55	Suresh, S.N.; Senthilkumar, P.; Pushparaj, C.; Subramani, R.	Carboxy Methyl Cellulose/Carrageenan Composite Film Incorporated	Journal of Applied Polymer Science	10.1140/epjs/s11734-024-01324-x

		With Nanofibrils for Food Packaging Application		
56	Narayanan, L.; Maruthavanan, T.; Vaithyanathan, R.; Venkatesan, G.; Vivekanandan, K.E.; Kaliyannan, G.; Paskalis, P.S.M.; Bosco, M.S.A.J.; Murugadoss, G.; Suseem, S.R.	Comprehensive investigation of antibacterial, cytotoxic, and antioxidant activities of Ipomoea staphylina flower extract with isolation and characterization of Beta-sitosterol	Journal of Molecular Structure	10.1016/j.inoche.2025.114539
57	Rai, H.; Singh, K.R.; Natarajan, A.; Pandey, S.S.	Advances in field effect transistor based electronic devices integrated with CMOS technology for biosensing	Talanta Open	10.1016/j.inoche.2025.114417
58	Arthi, G.; Sivasangari, R.	Controllability of impulsive fractional damped integrodifferential systems with distributed delays	European Physical Journal: Special Topics	10.1007/s13399-025-06766-4
59	Kamatchi, T.S.; Scherer, T.M.; Dinesh, R.; Kalaiarasi, G.; Muthumari, S.; Puschmann, H.; Kaim, W.; Natarajan, K.	2,5-Pyrazine dicarboxylic acid ligand bridged symmetrical dinuclear ruthenium(II) complexes: Synthesis, structure and spectroelectrochemical properties	Inorganic Chemistry Communications	10.1079/9781800626102.0031
60	Keerthana, P.; Sivasubramanian, R.; Priyadharsini, N.	Electrochemical studies on Lagerstroemia speciosa based hard carbon anode for sodium ion batteries	Inorganic Chemistry Communications	10.1079/9781800626102.0012
61	Sarangam, B.; Damodharan, D.; Rathinam, R.; Sangeetha, P.; Jayappriyan, K.R.; Kandasamy, S.; Mathiyazhagan, M.	Experimental and in silico approaches to identify a sustainable source of bioplastics from seaweeds	Biomass Conversion and Biorefinery	10.1079/9781800626102.0022
62	Daniel, A.S.S.; Moin, S.; Basker, S.; Yadav, S.A.; Babu, S.S.; Saraswathy, C.D.B.	Epigenetics for Combating Viral Diseases in Plants: Updated Methods and Current Achievements		10.1079/9781800626102.0030
63	Jaison, S.; George, B.; Lakshmi, P.M.; Saraswathy, C.D.B.	Epigenetics for Combating Chromium Stress in Plants		10.1079/9781800626102.0011

64	Sureshkumar, T.; Saraswathy, C.D.B.	Epigenetic Strategies for Regulating Plant Growth and Development		10.4018/979-8-3373-1882-0.ch013
65	Govindarajan, R.; Khan, K.M.R.; Wesley, P.S.; Moin, S.; Saraswathy, C.D.B.	Epigenetics for Combating Bacterial Diseases in Plants: Updated Methods and Current Achievements		10.1016/j.molliq.2025.127759
66	Mohandas, K.; Rathinam, E.M.; Saraswathy, C.D.B.	Epigenetics for Combating Salinity Stress in Plants: Updated Methods and Current Achievements		10.1079/9781800626911.0021
67	Viji Gripsy, J.; Kowsalya, R.; Thendral, T.; Senthilkumar, A.; Mesia Dhas, J.T.; Sheeba, L.	Integrating AI and Blockchain for Cybersecurity Insurance in Risk Management for Predictive Analytics in Insurance		10.1079/9781800626911.0004
68	Appusamy, S.; Rajendran, K.; Butcher, R.J.; Premkumar, T.; Kanchana, P.	Exploring the multifaceted potential of pyridine-2,6-dicarboxylic acid–methyl carbazate compounds: Crystallographic analysis, biological activity, theoretical insights, and environmental catalysis	Journal of Molecular Liquids	10.12944/CRNFSJ.13.Special-Issue-July.04
69	Jaison, S.; Saraswathy, C.D.B.; Sureshkumar, T.; Daniel, A.S.S.; Sunitha Kumari, S.K.; Govindarajan, R.; Arun, M.; Anand, A.V.	High-throughput Metabolomics for Plant Ecology and Biodiversity Research		10.22247/ijcna/2025/37
70	Sureshkumar, T.; Saraswathy, C.D.B.; Govindarajan, R.; Daniel, A.S.S.; Sunitha Kumari, S.K.; Jaison, S.; Arun, M.; Anand, A.V.	Technological Advancements in Plant High-throughput Metabolomics		10.1007/s11356-025-36855-w
71	Kumar, R.; Kamboj, N.; Gunsola, D.; Karmakar, R.; Chattaraj, S.; Gangola, S.; Mudgal, B.; Verma, D.; Gururani, P.; Rath, N.; Singh, R.; Ray, A.; Eswaranpillai, U.; Mitra, D.	Phytonutrients: Harnessing Anti-Inflammatory and Anti-Cancer Potential for Health Benefits	Current Research in Nutrition and Food Science	10.15388/namc.2025.30.41988
72	Eldho, K.J.; Nithyanandh, S.; Kowsalya, R.; Donu Jose, V.	Optimizing Network Reliability and Fault Detection in WSN-Assisted Autonomous	International Journal of Computer	10.51470/jez.2025.28.2.1247

		Vehicle Systems Using QHHO-GNN Model	Networks and Applications	
73	Muthusamy, L.; Rajendran, M.; Vivekanandan, K.E.; Kandasamy, S.; Kaliyannan, G.; Rathinam, R.; Kavitha, R.	Amendment of biochar and thiourea-modified biochar to mitigate chromium bioavailability and toxicity by modulating oxidative stress system in Vigna radiata in chromium-contaminated agriculture soil	Environmental Science and Pollution Research	10.3390/biomedicines13071658
74	Arthi, G.; Gopika, S.K.; Nieto, J.J.	Controllability of stochastic impulsive integro-differential systems involving nonlocal conditions and conformable derivatives	Nonlinear Analysis: Modelling and Control	10.1016/j.jddst.2025.106973
75	Bhagyashree, R.; Vasantha Kumar, K.; Ajay Samuel, S.; Angeline, T.	PHARMACOKINETIC PROFILING AND MOLECULAR DOCKING OF LUTEOLIN WITH INTERLEUKINS: INSIGHTS INTO WOUND HEALING POTENTIAL	Journal of Experimental Zoology India	10.4018/979-8-3373-0035-1.ch006
76	Elakkiya, M.R.; Krishnasreya, M.; Tharani, S.; Arun, M.; Vijayalakshmi, L.; Lim, J.; Ghfar, A.A.; Chithradevi, B.	Targeting CDK4/6 in Cancer: Molecular Docking and Cytotoxic Evaluation of Thottea siliquosa Root Extract	Biomedicines	10.1016/j.jisci.2025.112561
77	Udappusamy, V.; Nithya Thangam, S.; Ramasamy, N.K.; Ganeshan, S.; Karthick Rajan, D.K.; Moovendhan, M.	Nanoparticle-mediated delivery of siRNA: Targeting gene silencing in cancer therapy	Journal of Drug Delivery Science and Technology	10.1016/j.scitotenv.2025.179646
78	Kalaivani, N.; Mahant, M.A.; Bharathi, S.N.; Patil, R.R.; Lakshmi, S.	Integration of mathematics in engineering education using artificial intelligence tools for enhancing learning skills for future engineers		
79	Thanh Nguyen, C.; Tec-Caamal, E.N.; Natarajan, A.; Thanh, N.C.	New strategies and advancements in the synthesis of metal organic frameworks for PAHs removal	iScience	10.1063/5.0264881
80	Vigneswaran, V.S.; Gowd, S.C.; Ravichandran, V.; Karthikeyan, M.; Ganeshan, P.; Kandasamy, S.; Lee, J.; Barathi, S.; Rajendran, K.	Green ammonia as hydrogen carrier: current status, barriers, and strategies to	Science of the Total Environment	10.1016/j.teac.2025.e00259

		achieve sustainable development goals		
81	Viji Gripsy, J.; Sowmya, M.; Sheeba, L.; Arunpriya, C.	A novel deep learning model for drug discovery		10.1007/s11030-024-10974-x
82	Yogalakshmi, Y.; Sreeja, S.; Mary, U.	Minimum covering extended energy for some common fever drugs and its restrictions	AIP Conference Proceedings	10.1134/S1995082924600042
83	Venkatesan, G.; Sathiyar, G.	Recent trends in use of plant-derived carbon dot-based fluorescent probes for heavy metal ion detection and their biological applications	Trends in Environmental Analytical Chemistry	10.11591/eei.v14i3.8520
84	Sivanandhan, M.; Ragupathy, S.; Thangamani, A.; Amutha, A.	Synthesis, crystal structure, Hirshfeld surface, computational and biological studies of spiro-oxindole derivatives as MDM2-p53 inhibitors	Molecular Diversity	10.1016/j.fitote.2025.106526
85	Amritha, P.S.; Saranya, U.; Veena, V.; Harathi, P.B.	Comparison of Presence of Microplastics in Two Edible Fish Species from South India	Inland Water Biology	10.4018/979-8-3693-9425-0.ch009
86	Devipriya, D.; Vijaya, M.S.; Krishnaveni, K.	Improved half-maximal inhibitory concentration regression model using amyotrophic lateral sclerosis data	Bulletin of Electrical Engineering and Informatics	10.4018/979-8-3373-3241-3.ch022
87	Balasubramaniam, A.K.; Elangovan, A.; Rahman, M.A.; Nayak, S.; Swain, D.; Babu, H.P.; Narasimhan, A.; Monga, V.	Propolis: A comprehensive review on the nature's polyphenolic wonder	Fitoterapia	10.4018/979-8-3373-3241-3.ch001
88	Viji Gripsy, J.; Sowmya, M.; Sharmila Banu, N.S.; Deepa, D.; Senthilkumaran, B.	Qualitative research methods for professional competencies in educational leadership		10.1016/j.molstruc.2025.141414
89	Selvakumar, P.; Gandhimathi, K.; Anjali, n.; Sudheer, P.; Anute, N.; Manjunath, T.C.	AI-powered digital forensics for industrial cyber incidents		10.1016/j.bcdf.2024.100465
90	Selvakumar, P.; Sasikala, S.; Singh, S.; Kar, A.; Mandal, R.; Manjunath, T.C.	The role of machine learning in industrial cybersecurity: A paradigm shift		10.1016/j.intimp.2025.114510

91	Singh, R.P.; Pandey, S.S.; Natarajan, A.; Singh, J.	Self-assembled complexes: From molecules to bioderived materials for sustainable sensing technologie	Journal of Molecular Structure	10.30955/gnj.06020
92	Surendran, N.; Raju, M.V.; Chandrasekaran, M.K.; Muthaiya Ahalliya, R.M.; Palanisamy, C.P.; Chandrasekaran, G.; Velliyur Kanniappan, G.V.	Physicochemical characterization of starch from Maranta arundinacea L. (arrowroot) rhizomes and its inhibition of COX-2: In vivo validation	Bioactive Carbohydrates and Dietary Fibre	10.1007/s13399-024-05723-x
93	Bhuvaneshwari, V.; Amsaveni, R.	Exploring quercetin based nano formulation in combating human Metapneumovirus infections	International Immunopharmacology	10.1007/s00606-025-01941-6
94	Bharathi, V.P.N.; Muthuswamy, K.; Natarajan, B.; Sheela, M.S.; Gitanjali, G.; Kavitha, K.; Loganathan, K.; Vasudevan, B.; Appavu, S.; Marimuthu, R.; Rajaram, D.; Ranjan, S.	A comparative analysis and prediction of carbon emission in India using machine learning models	Global Nest Journal	10.1002/slct.202405971
95	Sivakumar, S.R.; Suresh, S.N.; Winifrida, K.; Subramani, R.; Pushparaj, C.	Converting vegetable and fruit mixture waste into eco-friendly bioplastic sheets and films using a solution casting method	Biomass Conversion and Biorefinery	10.12681/eh.39208
96	Rajamani, K.; Al Huq, M.S.; Selvaraj, D.; Ramalingam, S.	Unravelling the pharmacological applications and taxonomical challenges in Canscora species using DNA barcodes (taxon-specific DNA and high-throughput DNA barcodes): a systematic review	Plant Systematics and Evolution	10.1007/978-981-96-2602-1_6
97	Suvarnna, K.; Dhanushiya, P.; Shanjitha, S.; Selvasekarapandian, S.; Jone Kirubavathy, S.J.	Investigation of Corn Biomass/Polyvinyl Alcohol Based Bio-electrolyte for Lithium-ion Conducting Battery	ChemistrySelect	10.4018/979-8-3693-8734-4.ch004
98	Yamuna, R.; Ashwathi, K.	Mineral content, Antioxidant and Antimicrobial analyses of Bee pollen Collected from Nilgiri Biosphere Nature Park, Coimbatore	Entomologia Hellenica	10.1016/j.foodcont.2024.111002

99	Uma, E.; Tamil Selvi, K.S.; Ponmurugan, P.	Propagation and mass production of mangrove microbiome as a source of plant growth promoter		10.1007/s13399- 024-05778-w
100	Viji Gripsy, J.; Selvakumari, S.N.A.; Sheeba, L.; Senthilkumaran, B.	Transforming student engagement through AI, AR, VR, and chatbots in education		10.1007/s13563- 024-00461-y
101	Senthilkumar, S.; Saravana Kumar, B.K.; Vetrivel, A.; Michael, R.J.; Babu, N.; Nallamuthu, S.S.; Saravanan, K.; Venkatachalam, S.; R J, N.K.; Selvaraju, G.D.; Selvakesavan, R.K.; Lee, J.; Bharathi, D.	Nanoplastics in heat-sensitive food packaging: A review of migration, detection, health, and environmental impacts	Food Control	10.1108/PRT-11- 2023-0100
102	Monisha, S.; Selvakesavan, R.K.; Navaroja, R.; Krishnaveni, C.; Kanchana, M.	Utilization of arecanut leaf sheath and orange peel as environmentally friendly alternative substrates for cultivating <i>Pleurotus</i> <i>ostreatus</i>	Biomass Conversion and Biorefinery	10.1063/5.02460 61
103	Bagrecha, C.; Singh, K.; Sharma, G.; Saranya, P.B.	Forecasting silver prices: a univariate ARIMA approach and a proposed model for future direction	Mineral Economics	10.1016/j.prp.20 24.155800
104	Devarayan, K.; Palanisamy, Y.; Mohan, G.; Theivasigamani, A.; Kandasamy, S.; Sekar, V.; Siluvai John, E.U.; Sukumaran, M.; Marimuthu, R.; Anjappan, H.	Non-invasive measurement of spoilage of packed fish using halochromic sensor	Pigment and Resin Technology	10.3390/eng602 0021
105	Jeevitha, R.; Sudha Bhuvaneswari, N.	A Framework for Detecting and Evicting Malicious Nodes in Vehicular Networks Session Hijacking Attack	AIP Conference Proceedings	10.1002/aoc.798 4
106	T C, D.; N K, N.; Pushparaj, C.; Narayanasamy, A.; Paulpandi, P.; Thiruvengkataswamy, S.; Sennimalai, R.	Novel therapeutic approaches targeting cancer stem cells: Unveiling new frontiers in breast cancer treatment	Pathology Research and Practice	10.1016/j.cerami nt.2024.12.049
107	Kannan, K.; Muruganandham, S.; Ganeshan, A.; Periakaruppan, R.; Kathiravan, N.; Narayanan, S.	Phyto-Fabrication, Structural Characterization and Antibacterial Properties of <i>Hybanthus enneaspermus</i> -	Eng	10.11591/eei.v14 i1.7968

		Assisted Mn-Doped ZnO Nanocomposites		
108	Praveen, S.; Parinamachivayam, G.; Jeyaraman, P.; Prabakarakrishnan, R.; Natarajan, A.; Geetha, K.; Arunachalam, A.; Alharbi, S.A.; Arivalagan, A.; Kandasamy, S.	Theoretical Insights and Anticancer Potential of 2,6-Bis((E)-(2-amino-4-nitrophenylimino)methyl)-4-methoxyphenol and Its Binuclear Cu(II) Complex	Applied Organometallic Chemistry	10.1016/j.foodchem.2024.141762
109	Karthika, S.; Kandasami, K.; Marimuthu, K.; Ramcharan, R.; Shanmuga Sundari, S.S.	Ceramization of ABO glasses under the influence of O7+ ion irradiation	Ceramics International	10.1007/s12033-024-01090-0
110	Santhana Lakshmi, S.L.; Vijaya, M.S.	Leveraging pretrained transformers for enhanced air quality index prediction model	Bulletin of Electrical Engineering and Informatics	10.4018/979-8-3693-7026-1.ch014
111	Arivalagan, A.; Alshehri, M.A.; Kandasamy, S.; Sarangi, P.K.; Sharma, A.	Deciphering the importance of nanoencapsulation to improve the availability of bioactive molecules in food sources to the human body	Food Chemistry	10.1016/j.jiec.2024.06.026
112	Rathinavel, R.; Vasuki, S.; Sindhu, S.M.; Mothilal, T.M.; Srimathi, V.; Poornima, B.; Bhuvaneswari, M.; Hariharan, M.	FDA-Approved Chimeric Antigen Receptor (CAR)-T Cell Therapy for Different Cancers-A Recent Perspective	Molecular Biotechnology	10.1016/j.carbon.2024.119807
113	Vijay, V.; Lakshmi, J.D.	The fringe benefit of Industry 4.0 and Industry 5.0 on the educational sector: A comprehensive bibliometric review		10.1002/slct.202403076
114	Appusamy, S.; Butcher, R.J.; Premkumar, T.; Kanchana, P.	Hydrazine-derived salts: Unveiling their diverse potential through synthesis, characterization, pharmacology, and theoretical analysis	Journal of Industrial and Engineering Chemistry	10.1007/978-3-031-80185-3_10
115	Sivaraman, N.; Kanagaraj, R.; Thangamuthu, R.	In-situ grown NiFeLDH nanosheets over nitrogen rich amorphous carbon nanotubes: An electrochemical sensing platform for the detection of depression biomarker	Carbon	10.1007/978-3-031-76758-6_7

116	Sukumar, A.N.; Prince Makarios Paul, P.M.; Gopalan, P.; Abiram, A.	Therapeutic Potential Of M@B40 (M = Mg and Ca) Fullerene as a Drug Delivery System for Gemcitabine Anti-Lung Cancer Drug: A DFT Approach	ChemistrySelect	10.1007/978-3-031-80185-3_8
117	Maghimaa, M.; Bharath, S.; Kandasamy, S.	Carbon-Based Nanoparticles for Neural Regeneration	Nanotechnology in the Life Sciences	10.1007/978-981-97-7717-4_22
118	Sanfiya, S.; Sabitha Banu, A.	Digital Twins & Industry 5.0 On Food Management	Sustainable Development Goals Series	10.1007/978-981-97-8096-9_39
119	Senthilkumar, S.; Balasubramanian, A.; Kanchana, M.; Sisubalan, N.; Selvakesavan, R.K.	Curcumin-Loaded Nanoparticles in Neurodegenerative Diseases: Alzheimer's, Parkinson's, and Amyotrophic Lateral Sclerosis	Nanotechnology in the Life Sciences	10.1201/9781003475491-9
120	Padmavathy, L.; Radha, N.	Study on Machine Learning and Deep Learning for Fake News Detection (FND) in Social Media	Smart Innovation, Systems and Technologies	10.1201/9781003475491-22
121	Priyadharshini, A.; Karpagavalli, S.	Exploration of Deep Generative Models for Addressing Data Imbalance in Computer Vision	Smart Innovation, Systems and Technologies	10.1201/9781003475491-28
122	Tharani, S.; Mutharaian, V.N.; Thirugnanasampandan, R.; Moin, S.; Devi, B.S.C.	Mutagenesis for Enhanced Secondary Metabolites Production in Medicinal Plants		10.47857/irjms.2025.v06i01.02815
123	Devi, B.S.C.; Krishnasreya, M.; Tharani, S.; Elakkiya, M.R.	Integrated Molecular Strategies for Enhanced Production of Medicinal Plant-Derived Alkaloids		10.1007/978-981-97-5200-3_13
124	Devi, B.S.C.; Tharani, S.; Elakkiya, M.R.; Krishnasreya, M.; Wesley, P.S.	Integrated Molecular Strategies for Enhanced Production of Anti-Cancer Compounds from Abutilon hirtum (Lam.) Sweet (Malvaceae)		10.1007/978-981-97-7839-3_1
125	Narmatha, M.; Sumathi, K.; Panneer Selvi, R.	Influence of Hall Effect and Radiation on Melting Heat	International Research Journal	

		Transfer of Magnetohydrodynamic Hybrid Nanofluid Flow over a Sheet with Variable Thickness	of Multidisciplinary Scope	
126	Kiruthika, R.; Radha, N.	Analyzing the Citation Networks Using Community Detection Approaches: A Review	Smart Innovation, Systems and Technologies	10.1007/s11270-024-07667-4
127	Kiruthika, R.; Radha, N.	Author-Centric Pattern Detection in Scopus Citation Network via Community Structures	Lecture Notes in Networks and Systems	10.1007/978-3-031-67890-5_62
128	Vinod, V.; Amritha, P.S.; Harathi, P.B.	Extraction, Characterization and Identification of Microplastics from Landfill Soil	Indian Journal of Environmental Protection	10.1007/978-3-031-67890-5_102
129	Udhayakumar, M.; Udhayakumar, S.; Pitchaimuthu, S.B.; Alagarsamy, S.; Thirumalaisamy, K.; Azeem, M.; Govindarajan, R.; Damodharan, K.; das Madhubala Parameswaran, A.D.; Parimala Gnana Soundari, P.G.S.	Addressing the Microplastic Pollution: A Societal Challenge	Water, Air, and Soil Pollution	10.1007/978-3-031-67890-5_100
130	Lara Priyadharshini, S.; Divya Lakshmi, J.; Nirmala Devi, N.; Jisha, V.G.; Shobana, R.; Sathiya Priya, K.	Cultivating Workplace Flourishing: The Synergy of Mindfulness, Authentic Leadership, and its Impact on Performance & Resilience	Studies in Systems, Decision and Control	10.1007/978-3-031-67890-5_61
131	Dhanasekar, E.; Dharchana, S.; Priyanka, S.; Manasha, S.; Tharaka Rani, V.M.; Gowrishankar, R.	Influencing Factors of LinkedIn by Job Seekers and Professionals in IT Sector	Studies in Systems, Decision and Control	10.1016/j.jwpe.2024.106580
132	Mohanraj, S.; Aiswarya Lakshmi, T.; Nathiya, T.; Yasodha Devi, L.; Sujaritha, D.; Gowrishankar, R.	Harmonizing Policy Objectives with Economic Development and Industrialization Strategies	Studies in Systems, Decision and Control	10.1016/j.jtice.2024.105639
133	Lara Priyadharshini, S.; Ranchana, K.; Savitha, S.; Shanthini, B.; Excelce, A.J.	The Triad of Organizational Sustainable Success: Emotional Intelligence, Tacit Knowledge Sharing, and	Studies in Systems, Decision and Control	10.1080/24701556.2024.2355512

		Psychological Safety Using Structural Equation Modelling		
134	Priya, V.N.; Rajkumar, M.; Rajendran, V.; Mobika, J.; Sibi, S.P.L.; Veena, B.; Vijayalakshmi, V.; Ahila, P.	Sustainable selenium ions adsorption of cyclodextrin and cellulose functionalized layered double hydroxide/reduced graphene oxide nanocomposites	Journal of Water Process Engineering	10.1177/01423312241245457
135	Swathika, M.; Chandran, S.; Singh, K.R.; Singh, R.P.; Pandey, S.S.; Natarajan, A.	Synthesis and advances of smart heteroatom-sited coatings for anticorrosion applications	Journal of the Taiwan Institute of Chemical Engineers	10.1016/j.jtice.2024.105485
136	P, K.; B, P.D.; A, S.; V, H.; Shanmuga Sundari, S.S.	Facile synthesis of nickel doped ZnO and CeO ₂ nanocomposite for efficient photocatalytic dye degradation, catalytic reduction and antimicrobial studies	Inorganic and Nano-Metal Chemistry	10.1016/j.jtice.2023.105234
137	Thilagamani, V.; Sakthivel, R.; Satheesh, T.; Mohammadzadeh, A.; Sasirekha, R.	Finite-time resilient control for uncertain periodic piecewise polynomial time-varying systems	Transactions of the Institute of Measurement and Control	10.4018/979-8-3373-4923-7.ch007
138	Swathika, M.; Andal, N.M.; Dharani, S.; Singh, J.; Pandey, S.S.; Singh, K.R.; Natarajan, A.	Targeted elimination of heavy metals from industrial wastewater: Synergistic effect of nano metal oxides	Journal of the Taiwan Institute of Chemical Engineers	10.1109/InTech64186.2025.11198228
139	Kar, P.; Sathiyam, G.; Vivekanandan, K.E.; Venkatesan, G.; Siva, G.; Subramani, R.; Kandasamy, S.	A comprehensive review on tailoring factors of porous bismuth oxyhalide photocatalysts for wastewater treatment application	Journal of the Taiwan Institute of Chemical Engineers	10.5281/zenodo.17598365
140	Mohanasundaram, M.; Kandaswamy, K.; P.b, H.; Subramani, R.; Pushparaj, C.	Anti-biofilm potential of Matricaria chamomilla against tetra species representative gut commensals	Folia Microbiologica	10.1201/9781003658221-3
141	Priyadharsini, R.; Balavijayalakshmi, J.	High-performance symmetric supercapacitor using triple biowaste-derived activated carbon: groundnut shell,	Ionics	10.1016/B978-0-443-33761-1.00003-9

		sugarcane and corn cob residues		
142	Aruldas, R.; Gopalan, P.; Piecha, D.; Szczerba, M.; Nikiforow, K.; Sulka, G.D.	Exploring the electrocatalytic performance of PdIrSnZnMo high entropy alloy (HEA) towards the hydrogen evolution reaction in an acidic medium: a theoretically supported approach	Journal of Materials Chemistry A	10.1016/B978-0-443-33633-1.00007-1
143	Karmakar, R.; Gunsola, D.; Mitra, D.; Mandaliya, V.B.; Thakur, A.; Assefa, A.; Chattaraj, S.; Barwant, M.M.; Eswaranpillai, U.; Ponmurugan, P.	Network Biology of Respiratory Diseases		10.1016/B978-0-443-21734-0.00004-4
144	Priya, S.; Gayathri, K.	Quantitative Analysis of the Impact of Technological Advancements on Social Evolution and Cultural Lag: A Data-Driven Approach		
145	Ananthi, P.; Kayalvizhi, C.; Kapoor, V.; Srinivasulu, K.	Finishing of Cotton Fabric with Biodegradable NanoComposite using Chitosan and Halloysite	Journal of the Textile Association	10.1007/978-3-032-08260-2_10
146	Sophia Reena, G.S.; Jeevitha, R.; Hemalatha, S.; Sujitha, O.	A study on extending IoT applications in multiprocessing agricultural systems		10.1007/978-981-96-3232-9_10
147	Kanchana, P.; Angulakshmi, V.S.; Sangeedha, A.; Kaviya, R.; Sundari, S.S.	Conclusion		10.1109/ICMCTC 62214.2025.1119 6272
148	Manoj, M.; Anand, P.P.; Veena, V.; Ragavi, S.; Kannan, K.; Prabhu, J.P.A.; Robert, A.A.; Anand, A.V.	Exploration of plant single-cell genomics assisted by artificial intelligence technologies: Updated protocols and applications		10.1109/ICMCTC 62214.2025.1119 6605
149	Gnanamalar, R.H.; Esther Jebarani, P.E.	Virtual reality and augmented reality in rehabilitation: bridging and transforming the gap to recovery		10.1109/ICIMIA6 7127.2025.11200 732

150	Prabu, M.; Devi, B.S.C.	Sustainable Education and Its Role in Technology and the AI Era		10.1002/9781394245215.ch17
151	Sheeba, L.; Jayasree, R.; Meera, S.; Brindha, N.V.	A Prediction and Optimization Model for Predicting Genetic Diseases in Crops	Communications in Computer and Information Science	10.1007/s10895-025-04611-5
152	Ponmurugan, P.; Thayalan, K.J.; Eswaranpillai, U.; Gopukumar, S.T.	Bio-Control Agents: A Sustainable Approach for Enhancing Soil Nutrients Use Efficiency in Farming		10.1109/JIOT.2025.3594082
153	Devipriya, D.; Krishnaveni, K.	Cross-Modality Fusion Networks for Bio Activity Regression using Amyotrophic Lateral Sclerosis and Alzheimer's Data		10.1007/978-3-031-96530-2_88
154	Kiruthika, R.; Krishnaveni, K.	Optimizing the Scopus Keyword Co-Occurrence Network for Detecting Communities Using Keyword Extraction Techniques		10.1007/978-3-031-96530-2_30
155	Venkat, R.; Sindhu, V.; Prabhu, N.; Venkatrao, K.; Manojseenthil, K.; Bhoopathy, V.	Wheat Disease Diagnosis using Transfer Learning on Convolutional Neural Networks		10.1007/978-3-031-96530-2_13
156	Vijayaraghavan, G.K.; Shereef, B.M.N.; Prabhakaran, S.P.	Advanced Topic for Future Research		10.1007/978-3-031-96530-2_86
157	Sreedevi, A.; Shankar, R.; Subashini, G.	A Dual Signalling On-Off Quinoline Imidazole Conjugate: a Fluorescent Chemosensor for Fe ²⁺ and Hg ²⁺ Ions and Bioimaging Studies	Journal of Fluorescence	10.1007/978-3-031-96530-2_72
158	Gheisari, M.; Esmaeili-Najafabadi, H.E.; Kosari, S.; Shafi, J.; Malik, M.; Campusano, C.F.; Banu, S.; Junling, W.; Wan, Y.; Li, H.	Enhancing Privacy Preservation of IoT-Based Smart City Using Software-Defined Networking and Differential Privacy Distributions	IEEE Internet of Things Journal	10.1007/978-3-031-96530-2_65
159	Thulasi Priya, B.; Bhavadharani, S.	Integration of Advanced Digital Technologies in Online	Studies in Systems, Decision and Control	10.1007/978-3-031-96530-2_20

		Insurance: A Study Using TAM Perspective		
160	Vijayalakshmi, D.; Sahithyasree, S.R.; Jayashree, S.	Machine Learning Approaches for Stock Price Prediction—A Systematic Review of Literature	Studies in Systems, Decision and Control	10.1007/978-3-031-96530-2_80
161	Nithya, L.; Thamarai, P.	Impact of Digital Wallet Adoption on Urban Street Vendors: Awareness, Benefits, Challenges and Socio-economic Implications	Studies in Systems, Decision and Control	10.1007/978-3-031-96530-2_91
162	Devi Prasanna, R.; Mahalakshmi, K.S.; Mathew, R.; Nithyasumathi, S.; Gayathri, K.; Venthamarai, A.	Exploring the Synergistic Nexus of Human–AI Interaction Among Academia: An Analysis of Faculty Engagement and Implications in Higher Education	Studies in Systems, Decision and Control	10.1007/978-3-031-96530-2_18
163	Kavitha, G.; Suryadevi, P.	Financial Behavior and Well-Being: A Study on Personal Financial Planning	Studies in Systems, Decision and Control	10.1007/978-3-031-96530-2_11
164	Lekha Shree, S.; Dhivya Bharathi, K.; Amudha, A.; Ravindran, D.; Reena, R.	Augmenting Customer Gratification in the Education Sector Through AI Personalized Financial Solutions	Studies in Systems, Decision and Control	10.1007/978-3-031-96530-2_16
165	Sujatha, S.; Lavanya, D.; Gokilavani, S.; Lekha Shree, S.; Janani, S.	The Influence of Emotional Intelligence on Job Satisfaction Among CBSE School Teachers	Studies in Systems, Decision and Control	10.1007/978-3-031-96530-2_51
166	Indrani, G.; Shanthana Lakshmi, R.; Kanimozhi, R.S.; Kalaiselvi, V.; Ravindran, D.	Essential Drivers of Startup Sustainability: Operational and Demographic Factors—An Analytical Study	Studies in Systems, Decision and Control	10.1007/978-3-031-96530-2_77
167	Lara Priyadharshini, S.; Savitha, S.; Boopathi, P.S.; Jisha, V.G.	Adaptive Leadership: Nurturing Team Resilience and Agility Through Technological Transformation	Studies in Systems, Decision and Control	10.1007/978-3-031-96530-2_49
168	Thulasi Priya, B.; Pavithra, K.; Sridevi, S.; Deebikaa, G.	Impact of AI-Powered Personalization on Consumer Engagement and Brand Loyalty in Content Marketing	Studies in Systems, Decision and Control	10.1007/978-3-031-96530-2_74

169	RajaRajeswari, M.; Chakkingal, G.	AI-Driven HR Analytics for Diversity and Job Satisfaction in the Tech Industry	Studies in Systems, Decision and Control	10.1007/978-3-031-96530-2_47
170	Gomathy, C.; Sujatha, S.; Indrani, G.; Ambika, T.; Kanimozhi, R.S.	Exploring Student Attitudes and Perceived Benefits of Chatbots in Education: A Study in Coimbatore District	Studies in Systems, Decision and Control	10.1109/ICDSNS65743.2025.11168562
171	Sridevi, S.; Deebikaa, G.; Pavithra, K.; Subalakshmi, S.	A Critical Analysis of AI Tools in Enhancing Teaching Methods and Faculty Performance in Higher Education	Studies in Systems, Decision and Control	10.1080/13235818.2025.2565744
172	Thulasipriya, B.; Rodrigues, L.J.	Empowering Retail Sellers: A Study on Marketing Strategies of Digital FinTech Companies for Financial Inclusion	Studies in Systems, Decision and Control	10.1039/d5fb00180c
173	Kavitha, G.; Thripurasundari, V.B.	An Analysis of Family-Owned Business in Coimbatore District	Studies in Systems, Decision and Control	10.1109/ICSCSA66339.2025.11170714
174	RajaRajeswari, M.; Sakthivel, D.S.	Digitalised Circular Supply Chain Model—Sustainable Pathway for Extended Life Cycle Process	Studies in Systems, Decision and Control	10.1002/acs.4082
175	Kavitha, G.; Narendran, L.	Exploring the Impact of Content and Creators' Perspectives on Social Media: Creation, Sales, and Monetization	Studies in Systems, Decision and Control	10.1007/978-3-031-85898-7_19
176	Tamilselvi, S.; Senthilkumar, K.S.; Saravanan, G.; Maheshwari, D.; Rajeswari, R.; Kalaivani, C.	Automated Liver Tumor Segmentation and Diagnosis Using Self-Guided Deep Clustering Networks		10.59429/esp.v10i8.4005
177	Verma, A.K.; Singh, R.K.; Baidya, B.; Selvaraj, G.; Singh, N.S.; Saikia, M.; Jahan, S.	Biocompatible innovation in pearl cultivation in Lamellidens marginalis: Silane-coated nuclei for enhanced pearl quality and host survival	Molluscan Research	10.1134/S1995082925600012
178	Hussain, A.; Shanmugam, P.; Moorthi, K.; Swarna, S.L.; Mohamed, A.; Revathi, R.	Early Identification of Coconut Leaf Diseases using		10.59429/esp.v10i7.3804

		Inception V3 for Precision Agriculture		
179	Arthi, G.; Antonyronika, M.; Shen, M.	Robust Dissipative Filter Design With Sensor Fault: A Discrete-Time Interconnected System Approach	International Journal of Adaptive Control and Signal Processing	10.1007/978-981-96-6063-6_22
180	Vijayalakshmi, D.; Manasha, S.; Jayashree, S.	Determinants of Financialisation in the Nickel Commodity Market	Studies in Systems, Decision and Control	10.1007/978-3-031-85205-3_13
181	Chen, L.	The impact of east-west cultural differences on disaster narrative patterns in climate fiction and reader identification mechanisms: A comparative analysis based on individualistic and collectivistic cultures	Environment and Social Psychology	10.4018/979-8-3373-1977-3.ch012
182	Lara Priyadharshini, S.; Savitha, S.; Saranya Boopathi, P.; Kumar, A.; Kamatchi Muthulakshmi, E.; Nirmala Devi, N.; Arunadevi, K.C.; Tamilarasi, V.; Rajesh, A.P.	Impact of green knowledge management and green technology innovation on circular economy practices with social psychology driven sustainability metrics as a mediating factor	Environment and Social Psychology	10.4018/979-8-3693-9730-5.ch006
183	Kowsalya, R.; Viji Gripsy, J.; Banupriya, C.V.; Sathya, R.	Social Impact of Technology for Sustainable Development: A Digital Distraction Detection Approach	Lecture Notes in Networks and Systems	10.4018/979-8-3693-9730-5.ch002
184	Ganguly, A.; Konar, R.; Ponmurugan, P.; Eswaranpillai, U.; Ganguly, M.; Chattaraj, M.; Mitra, D.; Chattaraj, S.	Sustainable Valorization of Food Waste Through Bacterial Biofilm: A Pathway Towards Environmental Safety and Economic Viability		10.2174/0126662558283303250103030013
185	Viji Gripsy, J.; Lukose, B.; Sheeba, L.; Mesia Dhas, J.T.; Jayasree, R.; Brindha, N.V.	Enhancing Cybersecurity Insurance Through AI and Blockchain for Proactive Risk Management		10.23919/AM-FPD66451.2025.11110092
186	Sureshkumar, T.; Mohandas, K.; Rathinam, E.M.; Saraswathy, C.D.B.; Moin, S.	Stem-Cell Therapy for Anti-Aging		10.52711/0974-360X.2025.00374

187	Rathinam, E.M.; Mohandas, K.; Sureshkumar, T.; Saraswathy, C.D.B.	Biology, Genetics and Molecular Aspects of Aging: An Update		10.1007/978-981-96-4679-1_15
188	A, S.B.; Mohamed, I.N.; Ahmed, S.; Gheiseri, M.	A Study on Privacy Preserving Techniques in Fog Computing: Issues, Challenges, and Solutions	Recent Advances in Computer Science and Communications	10.3934/microbiol.2025026
189	Singh, K.R.; Rai, H.; Natarajan, A.; Pandey, S.S.	ZnCoO Nanobioengineered Thin Films for Smart and Integrated Biosensing Applications		10.1109/ICCSAI64074.2025.11064079
190	Jennifer, V.J.; Sumathi, R.	Isolation of Endophytic Microbes from Gracilaria salicornia and Screening of their Antifungal Activity in Hexane and Ethanol Extracts	Research Journal of Pharmacy and Technology	10.4038/cjs.v54i3.8718
191	Priya, K.; Anbarasi, A.	Determining Adverse Effects of COVID-19 Vaccination Using Machine Learning and Deep Learning Classification and Identification	Lecture Notes in Electrical Engineering	10.1002/bab.70020
192	Vijayaram, S.; Vivekanandan, K.E.; Kandasamy, S.; Razafindralambo, H.; Ringø, E.; Sun, Y.-Z.; Kaliyannan, G.	Probiotics: A multifaceted approach to health promotion-from disease prevention to food enrichment and delivery systems	AIMS Microbiology	10.1007/978-981-96-3372-2_30
193	Brindha, N.V.; Jose, N.N.; Ramadevi, N.; R., R.; Arigela, A.K.; Arun Raj, S.R.	Enhanced Scheduling Adaptability in Internet of Things (IoT) Networks via Collaborative Policy Learning and Federated Reinforcement Models		10.1007/978-981-96-1918-4_40
194	Amsaveni, R.; Bhuvaneshwari, V.	The Growing Threat of Guillain-Barré Syndrome: Why Awareness Matters	Ceylon Journal of Science	10.14719/pst.7010
195	Greeshma, K.V.; Viji Gripsy, J.	RadiantFusion-XR: A Hybrid LBP–HOG Model for COVID-19 Detection Using Machine Learning	Biotechnology and Applied Biochemistry	10.1155/er/9983214

196	Divya, M.O.; Vijaya, M.S.; Ranjitha, M.	Fetal Cardiac Anomaly Detection Models Using Pattern Classification and FetalEcho_V01 Dataset	Lecture Notes in Networks and Systems	10.1080/02772248.2025.2512067
197	Priyadharshini, A.; Karpagavalli, S.; Arun Priya, C.; Nirmal Kumar, R.	Leveraging Pretrained Models for Meat Freshness and Spoilage Detection	Lecture Notes in Networks and Systems	10.1016/j.ssaho.2025.101650
198	Bharathi, V.P.N.; Muthuswamy, K.; Natarajan, B.; Vasudevan, B.; Appavu, S.; Marimuthu, R.; Rajaram, D.	Using machine learning models to forecast methane emissions from agriculture in India	Plant Science Today	10.1109/ICICT64420.2025.11004674
199	Mohan, M.; Ramasamy, R.; Josline, M.J.; Shridharan, T.S.; Awasthi, A.; Dewangan, S.K.; Lee, H.; Song, E.; Lee, J.-H.; Cho, I.S.; Lee, K.; Ahn, B.	Advancing Dual-Functional Phase Change Material With Copper Oxide-Coated Carbon Nanofibers for Photothermal Energy Harvesting and Thermal Management in Electronic Devices	International Journal of Energy Research	10.4018/979-8-3693-0655-0.ch001
200	P, D.; S, S.; S, J.K.	Biomembranes and biohydrogels in electrochemical, food and wound healing applications: review	Toxicological and Environmental Chemistry	10.71329/IUPJES/2025.20.1.45-54
201	Lara Priyadharshini, S.; Saranya Boopathi, P.	No heroic measure, No financial investments - An innovative mechanisms to create thriving at work among data scientists	Social Sciences and Humanities Open	10.4018/979-8-3373-2220-9.ch008
202	Poongodi, S.; Sasirekha, K.; Rini, S.; Jeyapriya, S.; Rashmi, G.D.	An Enhanced Approach for Early Chronic Kidney Disease Prediction using Advanced Machine Learning and Data Processing Techniques		10.14719/pst.6650
203	Vettriselvan, R.; Rajesh, D.; Subhashini, S.; Gajalakshmi, K.; Sakthivel, R.	Developing and Applying PCK in Diverse Subjects: Best Practices for Mathematics, Science, Social Sciences, and Language Arts		10.1007/979-8-8688-1047-3_17
204	Ayesha, M.I.	Recontextualizing Honor and Shame: A Theoretical	IUP Journal of English Studies	10.4018/979-8-3693-9964-4.ch014

		Perspective of Perumal Murugan's Pyre		
205	Viji Gripsy, J.; Sheeba, L.; Kumar, D.; Sharmila, B.N.; Lukose, B.	Eco-Intelligent 6G Deployment: A Data-Driven Multi-Objective Framework for Sustainable Impact Analysis and Optimization		10.1109/ICMLAS 64557.2025.10968771
206	Marimuthu, R.; Rai, S.; Natarajan, B.; Muthusamy, K.; Venkatesa Palanichamy, N.; Rajaram, D.	Genetic evaluation of plant water status, physiological and biochemical traits for abiotic stress tolerance in Tamil Nadu Agricultural University in cotton cultures	Plant Science Today	10.1201/9781003505631-19
207	Khan, Y.; Sabitha Banu, A.; Yousaf, J.	Advancement in ML Techniques and Applications for UAV Swarm Management		10.1201/9781003505631-18
208	Selvakumar, P.; Sasikala, S.; Geetha, S.; Sivaram, P.; Das, A.; Manjunath, T.C.	Technological Innovations in Agriculture: Internet of Things (IoT) and Precision Agriculture		10.1080/09553002.2025.2494547
209	Pream Sudha, V.; Karpagavalli, S.; Sathiyakumari, K.; Sountharraj, A.C.	Thalassaemia Prediction Using Deep Neural Networks: A Step Towards Personalized Medicine		10.14719/pst.7933
210	Sunitha Kumari, S.K.; Tharani, S.; Jaison, S.; Ramkumar, G.; Samuel, S.D.A.; Saraswathy, C.D.B.; Arun, M.; Anand, A.V.	Dissecting Plant-Pathogen Interactions by High-Throughput Metabolomics for Developing Biotic Stress-Resilient Crops		10.4324/9781003545828-14
211	Ramkumar, G.; Tharani, S.; Samuel, S.D.A.; Saraswathy, C.D.B.; Jaison, S.; Sunitha Kumari, S.K.; Arun, M.; Anand, A.V.	High-Throughput Metabolomics for Agricultural Research		10.1515/biol-2022-1008
212	Murugan, G.; Kishore das, B.; Sivasamy, M.; Paramasivan, J.; Vishwakarma, G.; Shaligram Shitre, A.; Prasad, P.; Kumar, S.; Chinnaswamy, A.; Yashavanthakumar, Y.; Navathe, S.; Biradar, S.; Peter, J.; Chinnaswamy, S.; Gopu, V.;	Phenotypic and genotypic characterization of electron beam treated inter-specific (Triticum dicoccum Schrank X Triticum carthlicum Nevski) lines of emmer wheat for leaf rust and stem rust resistance	International Journal of Radiation Biology	10.1108/BIJ-02-2025-0133

	Subbiah Gounder Rajendran, H.C.; Gundeappa, L.; Kanchana, M.; Venu Kumaran, V.			
213	Bharathi, V.P.N.; Muthuswamy, K.; Natarajan, B.; Vasudevan, B.; Appavu, S.; Marimuthu, R.; Rajaram, D.; Sivakumar, K.	Predicting small millets productivity based on machine learning models: A comprehensive study	Plant Science Today	10.22266/ijies20 25.0531.05
214	Lavanya, S.; Balavijayalakshmi, J.	Impact of Outcome-Based Education Curriculum: Design and Delivery Approach		10.14719/pst.74 47
215	Krishnan Kutty, S.K.; Skandasamy Natchimuthu, P.D.; Rajamani, R.; Djearamane, S.; Tey, L.-H.; Wong, L.S.; Kayarohanam, S.; Arumugam, N.; Almansour, A.I.; Mahalingam, S.M.	Field trial to correlate mineral solubilization activity of Pseudomonas aeruginosa and biochemical content of groundnut plants	Open Life Sciences	10.1109/CE2CT6 4011.2025.10939 110
216	Ramanathan, U.; Sadhasivam, P.; Nair, S.; Allimuthu, S.; Sreeprabha, R.	Transitioning toward circular economy: the role of stakeholders in sustainable plastic waste management – an empirical study	Benchmarking	10.1109/ICSADL6 5848.2025.10933 083
217	Santhiya, M.; Karpagavalli, S.	Enhancing Insect Species Classification through Multi- Level Feature Pyramid and Graph Attention Networks	International Journal of Intelligent Engineering and Systems	10.14719/pst.74 12
218	Venkatesa Palanichamy, N.; Kalpana, M.; Balakrishnan, N.; Balamurugan, V.; Suresh, A.; Rajavel, M.; Dhivya, R.; Santhosh Kumar, M.	Assessing the effectiveness of Artificial Neural Networks and PSLR models in predicting per capita food grain production in India	Plant Science Today	10.22266/ijies20 25.0430.40
219	Rajlakshmi, P.V.; Bharathi, V.R.Y.; Murugavel, S.; Priyadarshini, K.; Raja, S.; Victoria, T.I.	AI-Enhanced Literary Analysis: Exploring Machine Learning Techniques for Understanding English Literary Texts		

220	Sathyavani, B.; Yadav, R.; John Shiny, J.; Revathi, R.; Bulakh, A.K.; Jain, S.	A Robust Protocol Design to Perform Data Communication over Wireless Sensor Networks with Enhanced Privacy Preserving Principles		10.1016/j.renene.2025.123863
221	Venkatesa Palanichamy, N.; Kalpana, M.; Balakrishnan, N.; Suresh, A.; Balamurugan, V.; Rajavel, M.; Dhivya, R.; Santhosh Kumar, M.	A novel approach for predicting net irrigated area in India using hybrid deep learning architectures	Plant Science Today	10.1016/j.molstruc.2025.143134
222	Sivaranjani, B.; Karpagavalli, S.	Graphs Target Relations and Class Attention Model for Deep Bird Species Detection Network	International Journal of Intelligent Engineering and Systems	10.1038/s41598-025-89381-7
223	Parvathy, C.R.; Sofia, A.	NONPARAMETRIC STATISTICAL HYPOTHESIS TESTING IN SOFT SET THEORY	Turkish World Mathematical Society Journal of Applied and Engineering Mathematics	10.1016/j.jtice.2024.105901