

Centenary Celebrated Sharnbasveshwar Vidya Vardhaka Sangha's



ಶರಣಬಸವ
SHARNBASVA



ವಿಶ್ವವಿದ್ಯಾಲಯ
UNIVERSITY



A State Private University approved by Govt. of Karnataka vide Notification No. ED 144 URC 2016 dated 29-07-2017
Recognised by UGC under Section 2f vide No. F.8-29/2017 (CPP-I/PU), dated 20-12-2017 & AICTE, CoA, PCI New Delhi

Research Publications in Journals, Book Publications, and Conference Presentations.

January 2026 to July 2026

Sl. No	Name of the authors of SUK	Name of the Journal	DOI:	Title of the Research Article
1.	Sandeep Shashidhar Sonnad	Int. J. Computational Science and Engineering	https://doi.org/10.1504/IJCSE.2026.155099	Hybrid convolutional network with adaptive graph attention mechanism for HSI classification
2.	Sudhir Anakal,	IEEE Communications Standards Magazine	10.1109/MCOMSTD.2026.3680087	Load-Aware Fog-Based Workflow Scheduling for Reliable IIOT Connectivity in Industry 4.0
3.	Sudhir Anakal,	Asian Journal Of Water Environment And Pollution	10.36922/ajwep.8382	A framework of an energy management system for total cost minimization in a renewable energy-driven microgrid
4.	Pradeep Dattatray Tekale Jyoti Chandrakant(2)	International journal of drug delivery technology	10.25258/ijddt.16.5s.81	Antifungal activity of Ellagic acid against different plant pathogenic fungi
5.	P. Vinod R. Nagbhushan,	Ceylon Journal of Science	https://doi.org/10.4038/cjs.v55i3.9113	Effect of Experimentally Induced Glyphosate Exposure on Haematological Parameters and Erythrocyte Structure in Labeo rohita from the Khajikotnoor Reservoir, Kalaburagi, Karnataka
6.	Praveen Hipparge Shivkumar S. Jawaligi	Int. J. System of Systems Engineering	https://doi.org/10.1504/IJSSE.2026.152421	Improved grey wolf optimisation based energy efficient spectral sensing in cognitive radio network

7.	Anita B.M, Dr.Virupakshappa Patil	Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications (JoWUA)	10.58346/JOWUA.2026.I2.040	Advanced Federated Learning with Attention- Enhanced Hybrid Deep Learning for Personality Prediction Using Handwritten Documents
8.	Veerendra Basreddy, Dr. Sachinkumar Veerashetty	Engineering, Technology & Applied Science Research	DOI: https://doi.org/10.48084/etasr.15050	Improving Diabetic Retinopathy Fundus Image Quality Using Dynamic Sparse Representation and Dilated Convolutional Networks
9.	Sharanayya, S. Biradar,	ZAMM - Journal of Applied Mathematics and Mechanics	https://doi.org/10.1002/zamm.70416	Dynamics of Upper-Convected-Maxwell and Casson Fluids Conveying Tiny Particles: Magneto-Ohmic Dissipative Flow Experiencing Radiation Effect, Brownian Motion, and Thermophoresis
10.	Nagbasavanna Sharanappa,	Materials Chemistry and Physics	https://doi.org/10.1016/j.matchemphys.2026.132708	Structural, magnetic and dielectric relaxation behaviour of Ti-doped Li ²⁺ Zn spinel ferrites
11.	Vishwajit B Darekar Mahesh Vilas Tanwade	Comparative Clinical Pathology Springer Nature	https://doi.org/10.1007/s00580-026-03757-3	Endocrine-disrupting effects of isobutyl paraben on male reproductive function: A pilot study in rats. Endocrine-disrupting effects of isobutyl paraben on male reproductive function: A pilot study in rats.
12.	Basavaraj Darekar Vishwajit	Scientific Report Springer Nature 2026	https://doi.org/10.1038/s41598-026-53365-y	Occurrence and risk assessment of pharmaceutical and personal care product pollution in urban aquatic ecosystems of South India
13.	Vilaskumar Patil	Journal of VLSI Circuits and Systems	https://doi.org/10.31838/jvcs/08.01.08	A Hardware Efficient LUT Optimized Fault Tolerant Reversible 64-bit Arithmetic Processor with Self Error Correction
14.	Shivakumar Kagi	Transactions on Emerging Telecommunications Technologies	https://doi.org/10.1002/ett.70337	Joint Power and Delay Optimization Based Resource Allocation in Mu-MIMO-OFDM System Using Optimized Enhanced Elman Spiking Sparse Graph Neural Network
15.	Anupam Patil, Dr. Virupakshappa	Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications (JoWUA)	10.58346/JOWUA.2026.I1.020	Development of an Optimized Deep Learning Model for Automated Detection of Pigeon Pea Leaf Diseases Using Convolutional Neural Network

16.	Savitri Medegar, M.Sasikala	International Journal of Power Electronics and Drive System (IJPEDS)	https://ijpeds.iaescore.com/index.php/IJPEDS/article/view/24406/15146	Design and improvement of dynamic performance of solar-powered BLDC motor for electric vehicles in agricultural applications
17.	Dr. Ambika	Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications (JoWUA),	10.58346/JOWUA.2026.I2.025	AI Driven Hybrid Descriptor and Classifier for Robust Textile Fabric Defect Detection
18.	Shruti V H, Lakshmi Patil	Engineering, Technology & Applied Science Research (ETASR)	https://doi.org/10.48084/etasr	Enhancing Brain-Tumor Imaging Using a Robust Deep-Learning Approach for Noise Removal and Image Clarity
19.	Shruti V H, Lakshmi Patil	The Journal of Intelligent Decision Making and Information Science	https://doi.org/10.59543/jidmis.v3.470	A Deep Learning Pixel Coordination Transformer Approach with Multi-Head Attention for Brain Tumor Segmentation
20.	Prof. Ratnakala Patil. Dr. Sachinkumar Veerashetty	Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications (JoWUA),	10.58346/JOWUA.2026.I2.033	Vision Transformer Based Cross Disorder MRI Screening with Interpretable Saliency Guided Decisions
21.	Laxmibai, Dr. Vinita Patil	Engineering, Technology and Applied Science Research	https://doi.org/10.48084/etasr.15045	Noise-Aware Convolutional Neural Network for Image Enhancement in Medical Images
22.	Laxmibai, Dr. Vinita Patil Dr. Lakshmi Patil,	<i>Journal of Intelligent Decision Making and Information Science</i>	https://doi.org/10.59543/jidmis.v3.468	Hybrid Feature Extraction and Transfer Learning-Base Approach for Respiratory Disease Diagnosis
23.	Vijayalaxmi Patil, Jagadish Patil,	Boletim da Sociedade Paranaense de Matemática	doi:10.5269/bspm.81987	Impact of Magneto-Hydrodynamic, Slip Velocity on Cosine Form Convex Curved Plates Lubricated with Couple Stress Fluid
24.	Jagadish Patil	Boletim da Sociedade Paranaense de Matemática	doi:10.5269/bspm.81988	Impacts of Magneto-Hydrodynamics and Slip Velocity Effects on Curved Circular and Porous-Rough Flat Plate Lubricated with Couple Stress Fluid
25.	Jagadish Patil,	Journal of NANOMATERIALS NANOENGINEERING AND	DOI: https://doi.org/10.1177/23977914261429788	MHDslip and surface roughness effects in fluid-based hydrodynamic lubrication of secant curved circular plates

		NANOSYSTEMS		
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CONFERENCE PUBLICATIONS

Sl. No	Name of the authors of SUK	Name of the Conference	DOI	Title of the Research Article
1.	1.Laxmi Patil 2.Dr. Lakshmi Patil	IEEE-3th International Conference on Intelligent Computing and Control Systems (ICICCS-2026)	10.1109/ ICICCS67901.2026.11502971	Optimization-based Self-supervised Enabled Distributed Bidirectional Model for Emotion Recognition using Multimodal Data
2.	1.Laxmi Patil 2.Dr. Lakshmi Patil	IEEE-3rd International Conference on Integrated Intelligence and Communication Systems (ICIICS-2026)	10.1109/ ICIICS67880.2026.11483440	A Multimodal Approach for Facial Emotion Recognition Using Adaptive Feature-Enabled Random Convolutional Memory Network
3.	Shobhana Dr. Lakshmi Patil	9th International Conference on Trends in Electronics and Informatics (ICOEI-2026)	https:// ieeexplore.ieee.org/ document/11541652	DCAtCM: Distributed Learning-based Cris-Cross Attention enabled Deep Learning Model for Diabetic Retinopathy Detection
4.	Preeti Shashidhar Sonnad	International conference on signal,systems,and computing for next -gen automation(ICSSCNA-2026)	https:// ieeexplore.ieee.org/ document/11546915	Object detection using dynamic channel with multiscale attention enabled generative adversarial network model
5.	Preeti Shashidhar Sonnad	International conference on Intelligent Computing and Control Systems(ICICCS-2026)	https:// ieeexplore.ieee.org/ document/11502642	Multimodality You Only Look Once Fusion Network and Generative Adversarial Network for object Detection using Visible and Infrared Images

6.	Sandeep Shashidhar Sonnad	2026 Second International Conference on Multi-Agent Systems for Collaborative Intelligence (ICMSCI)	https://doi.org/10.1109/ICMSCI67830.2026.11469644	Pixel-based Self-Supervised Super-Resolution Enabled Dual Learning Network for Hyperspectral Image Preprocessing and Vegetation Classification
7.	Ambika Patil Shilpa shrigiri	3rd international conference on Wireless communication and internet of Everything (ICWCIE-2026)		Peak to average power ratio in OFDM system
8.	Manikamma	International conference on emerging technologies for multidisciplinary Innovation and sustainability	https://www.itm-conferences.org/articles/itmconf/abs/2026/01/itmconf_etmis2025_01022/itmconf_etmis2025_01022.html	A Comprehensive survey on vitiligo detection using deep learning
9.	Harshavardhan Reddy	2026 3rd International Conference on Integrated Intelligence and Communication Systems (ICIICS)	https://doi.org/10.1109/ICIICS67880.2026.11483432	A Metamaterial Driven Dualband Patch Antenna for 5G and Other Wireless Applications
10.	Veerendra Basreddy, Dr. Sachinkumar Veerashetty	2026 IEEE International Conference for Convergence in Computing Technology (I3CTCON)	https://ieeexplore.ieee.org/document/11507608/	DRFEC-Net: A Framework for Accurate Diabetic Retinopathy Classification
11.	Sharanabasav hosamani Shashidhar sonnad	2026 5th International Conference on Communication, Computing and Electronics Systems (ICCCES)	https://ieeexplore.ieee.org/document/11437101	DAIU-Net: Distributed Attention-Enabled Deep Learning Model for Medical and Satellite Image Denoising
12.	RANGAYYA	7th International Conference on Mobile Computing and Sustainable Informatics (ICMCSI-2026)	10.1109/ICMCSI67283.2026.11412583	Design of a Probabilistic Link Adaptation Model for Fifth Generation Millimeter-Wave Networks using Adaptive Modulation and Coding and Channel Prediction to Minimize HARQ Retransmissions
13.	Virupakshappa	2026 7th International Conference on	doi:	A Frequency-Guided Modular Neural Network for

		Mobile Computing and Sustainable Informatics (ICMCSI)	10.1109/ICMCSI67283.2 026.11412756.	Enhanced Rice Plant Disease Classification
14.	Virupakshappa	International Conference on Natural Language Processing and Computer Vision (ICNPCV) 2026	Press	A Multimodal Depression Detection using VideoAudio Features From RAVDESS Dataset
15.	Dr. Ambika	2026 6th International Conference on Inventive Computation and Information Technologies (ICICIT)	10.1109/ ICICIT69063.2026.1163 4024	Comparative Evaluation of AI based Fabric Defect Detection Models on Public Textile Image Databases
16.	Pawan Patil Shashidhar Sonnad	2026 6th International Conference on Pervasive Computing and Social Networking (ICPCSN), Salem, India, 2026, pp. 85-92,	doi: 10.1109/ICPCSN68523. 2026.11543803.	SA-GACRP: Spectral Attention-Enabled Generative Adversarial Network-based Cloud Removal Preprocessing Model
17.	Dr. Ambika	2026 6th International Conference on Inventive Computation and Information Technologies (ICICIT)	doi: 10.1109/ICICIT69063.2 026.11634166	Multi Database Deep Learning Framework for Automated Textile Fabric Defect Detection and Benchmarking
18.	Laxmibai, Dr. Lakshmi Patil, Dr. Vinita Patil	2026 IEEE International Conference for Convergence in Computing Technology (I3CTCON),	DIO:10.1109/I3CTCON 68242.2026.11507339	Dual Channel Contrastive Convolutional Network for Respiratory Disease Prediction and Classification
19.	Soumya. Honyal Nagbhushan Patil	2026 9th International Conference on Intelligent Computing and Control Systems (ICICCS), Erode, India, 2026, pp. 408-414	10.1109/ ICICCS67901.2026.1150 2892.	Available Transfer Capability Enhancement Using Coordinated Movement Hunting Optimization Based Optimal Placement of Unified Power Flow Controller Device
20.	Ambika	2026 7th International Conference on Mobile Computing and Sustainable Informatics (ICMCSI), Goathgaun, Nepal, 2026, pp. 908-916	10.1109/ ICMCSI67283.2026.114 12956.	Flash-Attention Multiscale Stack Residual LSTM Framework for Chronic Obstructive Pulmonary Disease Detection and Classification
21.	Ashwini. Yenegur and M. Sasikala	2026 3rd International Conference on Integrated Intelligence and Communication Systems (ICIICS), Kalaburagi, India	doi: 10.1109/ICIICS67880.20 26.11483415.	Sliding Mode FLC based BLDC Motor to Enhance the Dynamic Performance for Electric Agricultural Vehicles
22.	Sruthi. Patil,	2026 2nd International Conference on	10.1109/	Development of Node-Level Capsule Graph Neural

	Sujata. V. Mallapur	<i>Intelligent Systems and Computational Networks (ICISCN)</i>	ICISCN67954.2026.115 66320.	Network for Dynamic Call Assignment in Wireless Networks
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BOOKS

Sl. No	Name of the authors of SUK	Name of the Publisher	ISBN	Name of the Book
1.	Dr. Ayesha Heena	NTL publisher	ISBN: 978-81-19762-27-9.	Cyber Security
2.	Dr. Archana M Kinagi	DPS PUBLISHING HOUSE	ISBN: 978-93-47163-78-4	Computer Applications for Business
3.	Dr. Archana M Kinagi	Orange Books Publication	ISBN: 978-93-7426-626-7	Emerging Technologies For Business
4.	Mrs Bhagyalaxmi Koti & Dr Ravikumar Awanti	OrangeBooks Publication	9789374267301	Personal Growth and Interpersonal Effectiveness
5.	1. Dr.Anuradha patil 2. Mrs.Geeta M 3. Mrs.Shivleela 4. Mrs Ratnamala S patil	Shashwat publication	978-93-7462-561-3	Real -Time Vision Based Hand Gesture Recognition
6.	Dr Manikamma malipatil Dr.Rashmi Patil	Scientific International Publishing House	978-93-7196-250-6	Generative AI
7.	Dr. Nagabhushan, Dr. R.M. Nagarale, Dr. Revansiddappa S.K	Kripa Drishti Publications, Pune.	ISBN:978-93-47336-35-5	Field theory and Communication Systems
8.	Dr.Mahesh R K, Dr.Shivkumar Jawaligi, Dr.Vilas Kumar patil,	Innovative publishers	ISBN:978-81-967976-0-7	Advanced Routing and clustering Techniques in adhoc and Vehicular Networks

	Dr.sharanu Kori Shetty, Dr.Praveen Hipparge			
9.	Dr. Padmavati	ICAP Publishers	978-81-69110-56-3	Wireless Communication: Concepts and Technologies
10.	Dr.Swati	Vaagai International Book Publication	ISBN:978-81-685945-0-0	AI AND ML FOR E-COMMERCE DATA SECURITY
11.	Dr.Anand N Patil	Vaagai International Book Publication	ISBN : 978-81-685945-4-8	The human -AI Nexus : Securing the new digital Frontier Monitoring Device
12.	Dr. Nirupama Dr.Poonam	Vaagai publisher	ISBN -978-81-685945-3-1	Critical Phishing defense strategies and digital asset Protection
13.	Dr. Nagbasavanna Sharanappa	Scientific International Publishing House	ISBN: 978-93-7196-155-4	Materials Science and Nanotechnology
14.	Dr.Shravankumar Arjunagi, Dr. Jyothi RM, Dr.Shruthi, Prof.Shwetha Madiwal	CIIT publisher	Isbn -9789361260124	Quantum computing and its applications
15.	Dr. Darekar Vishwajit Basavaraj	IIP Iterative International Publishers	ISBN: 93-7020-533-8	Human Microbiome and Health
16.	Virupakshappa	Bluepen International Publisher	ISBN: 978-93-6940-840-5	Deep learning based approach for identification of skin cancer
17.	Prof. Anil Dangi Prof. Ratnakala Patil Prof. Priyadarshini Patil	JHANVIKA TECHNOLOGIES	978-81-6870597-5	Artificial intelligence Fundamentals, Methods & Applications
18.	Dr. Mayur R. Koti Dr. Soumya Neelapally	Agnileaf Press	978-81-69407-72-4	Artificial intelligence in Human Resource Management
19.	Ms. Saksheshwari	Kripa-Drishti	978-93-47336-17-1	Construction Materials

	Mrs. Sheetal Biradar	Publications, Pune.		
20.	Dr. Smitha Jagannath Prof. Neelam Paragond Ms. Swetha Mrs. Akshata	Aqua Publications	978-93-47184-60-4	AI in Civil Engineering
21.	Mrs. Pooja Mrs. Ponnamrani Takalki Mrs. Preeti Arakeri Mrs. Savita R Patil	Aqua Publications	978-93-47184-00-40	Repair and Rehabilitation of Structures

BOOKS CHAPTER PUBLICATION

Sl. No	Name of the authors of SUK	Name of the Book Chapter	ISBN	Name of the Publisher
1.	Dr.Pushpalata	Artificial intelligence in digital marketing strategies	ISBN :978-81-997922	Vaagai International Publisher
2.	Laxmi Math	Fundamentals of Artificial Intelligence	ISBN: 978-81-686919-5-7	Vaagai International Publisher
3.	Vishwajit Darekar	Title: Neuro-Phytopharmaceutical Application of Shatavari	DOI: 10.1201/9781003563983-20	Health Benefits of Asparagus racemosus (Shatavari): A Comprehensive Guide to the Medicinal and Nutritional Potential of Shatavari Chapter CRC Press (Taylor & Francis Group)
4.	Virupakshappa Patil	Artificial Intelligence in Education: Enhancing Learning Through Smart Technologies	DOI: 10.4018/979-8-2600-0467-8.ch001	Strategies for Responsible AI Infrastructures Within Educational Administration (IGI Global)
5.	Virupakshappa Patil	A Hybrid Anomaly Detection Framework for	DOI: 10.4018/979-8-2600-3465-1.ch007	AI- Driven Cybersecurity Techniques, Systems, and Resilience (IGI Global)

		Securing University BYOD Networks		
6.	Virupakshappa Patil	AI- Based Phishing Website Detection Using Machine Learning Techniques	DOI: 10.4018/979-8-2600-3465-1.ch003	AI- Driven Cybersecurity Techniques, Systems, and Resilience (IGI Global)

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Sl. No	Name of the authors of SUK	Name of the Journal	DOI:	Title of the Research Article
1.	Jagadish Patil	Measurement	https://www.sciencedirect.com/science/article/abs/pii/S0263224125007328	Performance of conical bearing lubricated with micropolar fluid subjected to convective inertia forces: An average inertia principle
2.	Jagadish Patil Dhanraj Neela	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	https://semarakilmu.com.my/journals/index.php/fluid_mechanics_thermal_sciences/article/view/12412	Performance of a Cylinder and a Flat Plate Bearing Lubricated with Ferrofluid under the Combined Influence of Couple Stress and Inertia Forces: Shliomis Model
3.	Prashant Kumar S. Chinamalli, Mungamuri Sasikala	International Journal of Electrical & Computer Engineering	10.11591/ijece.v15i3.pp2599-2615	Hybrid optimization tuned deep neural network-based wind power generation system for permanent magnet synchronous generator control.
4.	Sharanayya Swami Suresh Biradar	Partial Differential Equations in Applied Mathematics	https://www.sciencedirect.com/science/article/pii/S2666818125000750	Heat and mass transfer analysis of Williamson nanofluids under the influence of magnetic field and Joule's heating
5.	Sharanayya Swami Suresh Biradar	International Journal of Applied and Computational Mathematics	https://link.springer.com/article/10.1007/s40819-025-01837-6	Effect of Williamson Nanofluid Across an Exponentially Stretched Sheet with Chemical Reaction Under the Influence of Joules Heating
6.	Sharanayya Swami	Partial Differential	https://www.sciencedirect.com/	Brownian motion effects and thermophoresis

	Suresh Biradar	Equations in Applied Mathematics	science/article/pii/S2666818125000841	on heat transmission mechanism of hybrid nano liquid flow over a stretched wedge surface
7.	Swathi S Sujata V. Mallapur	Computer Fraud and Security	https://computerfraudsecurity.com/index.php/journal/article/view/707	Self-Improved Jellyfish Optimization for Extending Coverage in WSN
8.	Veerendra Basreddy Sachinkumar Veerashetty	International Journal of Intelligent Engineering and Systems	10.22266/ijies2025.0831.11	Advanced Segmentation and Prediction for Diabetic Retinopathy Detection in Complex Retinal Images
9.	Susheel kumar Bijapure Basavaraj Shrigiri	Case Studies in Thermal Engineering	https://www.sciencedirect.com/science/article/pii/S2214157X25003752	Experimental and statistical analysis of CRDI diesel engine powered with carbon black infused nano dairy scum biodiesel blends
10.	Jundale Poonam Abasaheb, Sujata V Mallapur	Transactions on Emerging Telecommunications Technologies	https://onlinelibrary.wiley.com/doi/abs/10.1002/ett.70077	Blockchain-Integrated Secure Healthcare Information Sharing via Advanced Blowfish Encryption Standard With Optimal Key Generation
11.	Amruta Prabhugouda Syeda Asra	Sensing and imaging	https://link.springer.com/article/10.1007/s11220-025-00589-3	Big Data Healthcare Monitoring System: Improved Recurrent Neural Network for Disease Classification with Apache Spark
12.	Shreedevi Kalyan	Case Studies in Thermal Engineering	https://www.sciencedirect.com/science/article/pii/S2214157X24016344	Thermal and solutal performance analysis featuring fully developed chemically reacting micro-rotational convective flow in an open-ended vertical channel
13.	Shreedevi Kalyan, Mangala Kandagal,	Partial Differential Equations in Applied Mathematics	https://www.sciencedirect.com/science/article/pii/S2666818125001664	Exploring Mixed Convection in Porous Media: Thermal and Flow Behaviour
14.	Shreedevi Kalyan	International Journal of Applied and Computational Mathematics	https://link.springer.com/article/10.1007/s40819-025-01930-w	Impact of Casson Fluid on Magneto Hydrodynamical Multifluid Flow Under the Influence of Chemical Reaction

15.	Virupakshappa Patil	Expert Systems with Applications	https://www.sciencedirect.com/science/article/abs/pii/S0957417425013314	Automated diabetic retinopathy detection using a multi-step framework with stacked ensemble-based classification model
16.	Ambika	Biomedical Signal Processing and Control	https://www.sciencedirect.com/science/article/abs/pii/S174680942500062X	A novel twin vision transformer framework for crop disease classification with deformable attention
17.	Shobhana Lakshmi Patil	Sensing and Imaging	https://doi.org/10.1007/s11220-025-00555-z	Classification of Diabetic Retinopathy Using Optimization Driven Automated Self-Feature Selected Light Gradient Boosting
18.	Sudhir Anakal	Iraqi Journal for Computer Science and Mathematics	https://ijcsm.researchcommons.org/ijcsm/vol6/iss3/6/	Diagnosis of COVID-19 and Viral Pneumonia with Chest X-Ray Images Using ResNet-34
19.	Sudhir Anakal	International Journal of Advanced Computer Science and Applications,	https://thesai.org/Publications/ViewPaper?Volume=16&Issue=2&Code=IJACSA&SerialNo=112	Optimizing Social Media Marketing Strategies Through Sentiment Analysis and Firefly Algorithm Techniques
20.	Sudhir Anakal	International Journal of Advanced Computer Science and Applications (IJACSA)	https://thesai.org/Downloads/Volume16No3/Paper_73-AI_Driven_NAS_GBM_Model_for_Precision_Agriculture.pdf	AI-Driven NAS-GBM Model for Precision Agriculture: Enhancing Crop Yield Prediction Accuracy
21.	Sudhir Anakal	International Journal of Computational and Experimental Science and Engineering (IJCESEN)	https://www.ijcesen.com/index.php/ijcesen/article/view/826	Diagnosis, visualisation and analysis of COVID-19 using Machine learning
22.	Mangala Kandagal, Ramesh Kempepatil,	Partial Differential Equations in Applied Mathematics	https://www.sciencedirect.com/science/article/pii/S2666818125001688	The impact of carbon nanotubes (CNT) on heat generation and absorption, the behaviour of water and blood suspensions in an inclined channel with a porous matrix
23.	Santosh Balgar	Journal of Information Systems Engineering and Management	https://doi.org/10.52783/jisem.v10i2.1761	Supply Chain Optimization in Infrastructure Sectors: Innovations in Commerce and Logistics Management
24.	Pankaj R. Jadhav	Journal of Bio- and Tribo-	10.1007/s40735-025-01034-4	Synergistic Effect of Graphite and Bâ,,C

		Corrosion		Particles on Enhancing the Hardness and Wear Characteristics of A356 Alloy Composites
25.	Shreedevi Kalyan Indrajeeredy,	International Journal of Applied and Computational Mathematics	10.1007/s40819-025-01930-w	Impact of Casson Fluid on Magneto Hydrodynamical Multifluid Flow Under the Influence of Chemical Reaction
26.	Shreedevi Kalyan	Heat transfer	10.1002/htj.70101.2025.	Mixed Convective Flow in Porous Matrices with Heat Generation/Absorption
27.	Shreedevi Kalyan Mangala Kandagal	Partial Differential Equations in Applied Mathematics	https://doi.org/10.1016/j.padiff.2025.101239	Exploring mixed convection in porous media: Thermal and flow behavior
28.	Shreedevi Kalyan Mangala Kandagal	Results in Engineering	https://doi.org/10.1016/j.rineng.2025.107964	MHD Effects on Heat Generation and Absorption in Immiscible Nanofluid Flows through Porous Vertical Channels
29.	Ashwini Yenegur Mungamuri sasikala	International Journal of Power Electronics and Drive Systems	http://doi.org/10.11591/ijpeds.v16.i4.pp2186-2196	Adaptive fuzzy logic controller based BLDC motor to improve the dynamic performance for electric tractor application
30.	Mallamma Shubangini Patil	Distributed and Parallel Databases	10.1007/s10619-025-07457-9	Trio-Optimization based load balancing and task scheduling system in Cloud Computing Platform
31.	Harshavardhan Reddy	Bulletin of Electrical Engineering and Informatics	https://doi.org/10.11591/eei.v14i5.9581	A metamaterial inspired multi band antenna using complementary split ring resonator for wireless applications
32.	Anupam Patil Virupakshappa	Natural and Engineering Sciences	10.28978/nesciencs.261004	Advancing Real-Time Plant Disease Detection by using Lightweight Model for Pigeon Pea Crop
33.	Preeti, Dr.Shashidhar Sonnad	Signal,image and video processing	https://doi.org/10.1007/s11760-025-04695-3	Pr-ETSC-GAN ENHANCED TRIPLET SPATIAL CHANNEL ATTENTION BASED GENERATIVE ADVERSARIAL NETWORK FOR IMAGE FUSION AND OBJECT DETECTION

34.	Preeti, Dr. Shashidhar Sonnad, Sharanabasva Hosamani, Dr. Anuradha Savadi	International Journal of Image and Data Fusion	https://doi.org/ 10.1080/19479832.2024.2330637	Novel fusion strategy for image fusion using rescue hunt optimization-based modified guidance model
35.	Sharanayya Swami , Suresh Biradar ,	Partial Differential Equations in Applied Mathematics	https://doi.org/10.1016/ j.padiff.2025.101274	Thermal and flow characteristics of hybrid nanofluids in free-forced convection under suction/blowing effects
36.	Sudhir Anakal	Engineering Review	https://doi.org/10.30765/er.2774	A deep learning approach to energy disaggregation using TCN layers for appliance and load insights
37.	Sudhir Anakal	International Journal of Basic and Applied Sciences	https://doi.org/10.14419/y90y2496	A Blockchain-Enabled Adaptive Learning Model for Secure and Scalable Data Sharing
38.	Sudhir Anakal	IEEE Transactions on Consumer Electronics	10.1109/TCE.2025.3625642	Enhancing Privacy-Preserved Iris Recognition in Consumer Electronics: A Soft Actor-Critic and GAN-Based Digital Forensic Framework With Bayesian Hyperparameter Optimization
39.	Sudhir Anakal	IEEE Communications Standards Magazine	10.1109/MCOMSTD.2025.3642934	Optimizing CNN-Based Video Summarization With Digital Twin Framework for Adaptive Probability Thresholding
40.	Sudhir Anakal	Iraqi Journal for Computer Science and Mathematics	doi.org/10.52866/2788-7421.1282	Diagnosis of COVID-19 and Viral Pneumonia with Chest X-Ray Images Using ResNet-34
41.	Sudhir Anakal	International Journal of Advanced Computer Science and Applications	10.14569/IJACSA.2025.01602112	Optimizing Social Media Marketing Strategies Through Sentiment Analysis and Firefly Algorithm Techniques
42.	Sudhir Anakal	International Journal of Advanced Computer	10.14569/IJACSA.2025.0160373	AI-Driven NAS-GBM Model for Precision Agriculture: Enhancing Crop Yield Prediction

		Science and Applications		Accuracy
43.	Sudhir Anakal	International Journal of Basic and Applied Sciences	https://doi.org/10.14419/cse17v46	Taxonomic Classification of Bacteria Using Machine Learning Models on DNA Sequences
44.	Shivaprasad Biradar & Virupakshappa	Signal, Image and Video Processing	https://doi.org/10.1007/s11760-025-04553-2	MRI-based brain tumor detection using dual attention mechanisms and gradient-guided DenseNet
45.	1.Dr.Nirupama 2. Dr. Virupakshappa	Cybernetics and Systems	10.1080/01969722.2025.2551843	State of Art Skin Disease Classification Using Ensemble Learning and Advanced Image Processing
46.	B. D. Vishwajit	Environmental Sciences Europe	https://doi.org/10.1186/s12302-025-01210-w	Impacts of pharmaceutical and personal care products contamination as emerging contaminants in urban ecosystem: emerging risks and future challenges
47.	Vishwajit Basavaraj Darekar, Basawarajeshwari Indur, Mahesh Tanwade,	Biological Trace Element Research	https://doi.org/10.1007/s12011-025-04927-0	Bio-Synthesis of TiO ₂ and Ag-TiO ₂ Nanoparticles using Aegle marmelos Seed Extract and their Potential Efficacy Investigation in Human Leukemic Cell Proliferation, Inflammation, and Oxidative Stress
48.	Vishwajit B Darekar Basawarajeshwari Indur	Cellular Physiology and Biochemistry	10.33594/000000821	Effect of Isobutylparaben and Phenylmercuric Acetate on Juvenile Female Rats with Special Reference to Development, Neurobehavior, and Histopathology
49.	Vishwajit Darekar Prabhavati Patil Mahesh Tanwade	Journal of Molecular Structure	https://doi.org/10.1016/j.molstruc.2025.142123	Gold decorated reduced graphene oxide (Au/rGO@PDGME) nanoflakes with effective diverse catalytic activity: A hydrothermal synthesis
50.	B.D. Vishwajit	Journal of the Indian Chemical Society	https://doi.org/10.1016/j.jics.2025.102183	Hydrothermal route alignment of Ag/rGO@curcumin nanocomposite:

				Photocatalyst degrading action and Antibacterial effectiveness
51.	Mahesh Tanwade Basawarajeshawri Indur Vishwajit B Darekar	Review of Diabetic Studies	DOI: https://doi.org/10.70082/a7vkb654	The Effect of Isobutyl Paraben an Endocrine Disrupting Chemicals on Juvenile Male Rats
52.	Susheel kumar Bijapure, Dr. Basavaraj Shrigiri	Tuijin Jishu/Journal of Propulsion Technology	https://www.propulsiontechjournal.com/index.php/journal/article/view/10238/6125	Synergistic Impact of Dual Split Injection on the Combustion, and Emission Characteristics of Crdi Diesel Engine Fueled with Carbon Black Nanoparticle-Enriched Dairy Scum Biodiesel B20 Blend
53.	Dulange Shradha A, Ambika	Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications (JoWUA)	10.58346/JOWUA.2025.I2.052	Improved VANET Connectivity in Sparse RSU Environments Using Enhanced DSR Protocol: Challenges and Solutions
54.	Dulange Shradha A, Ambika	Journal of Machine and Computing	https://doi.org/10.53759/7669/jmc202606010	A novel technique of á»Cedá»gbo Metaheuristic algorithm Based Optimized Energy-Efficient and Reliable Routing Protocol for VANETs to Augment QoS Conditions
55.	Virupakshappa	Cybernetics and Systems	https://doi.org/10.1080/01969722.2025.2540117	Transformer-Based Framework for Accurate Segmentation and Classification of Skin Lesions
56.	Lakshmi Patil Kiran Maka	International Journal of Applied Mathematics	https://ijamjournal.org/ijam/publication/index.php/ijam/article/view/1673/1521	Face recognition framework using generative ai integrated with maximum entropy regularized decision transformer and crayfish optimization algorithm
57.	Sujata Mallapur	International Journal of Applied Mathematics	https://ijamjournal.org/ijam/publication/index.php/ijam/article/view/716/660	WAVELENGTH CONVERTER PLACEMENT IN OPTICAL NETWORKS USING WAVELENGTH CONVERSION ARCHITECTURES
58.	Sujata Mallapur Lakshmi Patil	Dandao Xuebao/Journal of Ballistics	https://doi.org/10.52783/dxjb.v37.190	Developments of Machine Learning Solution for Assignment of Calls of RWA in Wireless

				Network
59.	R.K. Mahesh, Shivkumar S. Jawaligi	International Journal of Vehicle Autonomous Systems	https://doi.org/10.1504/IJVAS.2025.143024	Energy-efficient cluster-based routing in VANET assisted by hybrid jellyfish and beluga optimisation and fault tolerance
60.	R.K. Mahesh, Shivkumar S. Jawaligi	Signal, Image and Video Processing	https://doi.org/10.1007/s11760-024-03297-9	VANET cluster-based routing protocol with link breakage handling: introduction to hybrid optimization algorithm
61.	Sangeeta Mallikarjun Kharge Shivkumar S Jawaligi	Intelligent Decision Technologies	https://doi.org/10.1177/18724981251361017	Customized convolutional network-based road traffic congestion detection in VANET
62.	Jundale Poonam Abasaheb Sujata V. Mallapur	Biomedical Engineering: Applications, Basis and Communications	https://doi.org/10.4015/S101623722550036X	AN AI-ENABLED HYBRID DEEP LEARNING FRAMEWORK FOR CARDIOVASCULAR DISEASE DIAGNOSIS AND HEALTHCARE RECOMMENDATIONS
63.	Sharanabasav Hosamani Shashidhar Sonnad	Biomedical Engineering: Applications, Basis and Communications	https://doi.org/10.4015/S1016237225500462	MINet: A DENOISING APPROACH FOR MEDICAL AND SATELLITE IMAGING APPLICATIONS

CONFERENCE PUBLICATIONS

Sl. No	Name of the authors of SUK	Name of the Conference	DOI	Title of the Research Article
1.	Prashant Kumar S. Chinamalli, Mungamuri Sasikala	2025 International Conference on Knowledge Engineering and Communication Systems (ICKECS)	https://ieeexplore.ieee.org/document/11035171	A Deep learning Model-based Wind Power Generation System for the control of Permanent Magnet Synchronous Generators
2.	Jundale Poonam Abasaheb, Sujata V Mallapur	2025 International Conference on Intelligent Systems and Computational Networks (ICISCN), Bidar, India, 2025	https://ieeexplore.ieee.org/document/10934556	Secure Healthcare Monitoring: Algorithms and Techniques for Heart Disease Detection and Data Privacy
3.	Jundale Poonam Abasaheb, Sujata V Mallapur Laxmikant Eshwarappa	Proceedings of the International Conference on Sustainability Innovation in Computing and Engineering (ICSICE 2024)	https://www.atlantispress.com/proceedings/icsice-24/126011413	Diabetics Management using IoT and Blockchain Technology
4.	Shivaprasad Biradar, Virupakshappa	2024 International Conference on Integrated Intelligence and Communication Systems (ICIICS)	https://ieeexplore.ieee.org/abstract/document/10859507	Optimizing Brain Tumor Detection with Multi-Head Deep Convolutional Neural Network: An Effective Framework for MRI Based Classification and Analysis
5.	Virupakshappa	2024 International Conference on Integrated Intelligence and Communication Systems (ICIICS)	https://ieeexplore.ieee.org/abstract/document/10860233	Enhancing Diabetic Retinopathy Detection: A Novel Ensemble Random Support Vector Gradient Model
6.	Virupakshappa	2025 Global Conference in Emerging Technology (GINOTECH)	https://ieeexplore.ieee.org/document/11076764	A Modified Cross-Attention Deep Convolutional Neural Network for Early Detection of Rice Plant Diseases
7.	Virupakshappa	2025 5th International Conference on Pervasive Computing and Social Networking (ICPCSN)	https://ieeexplore.ieee.org/document/11035799	Deep Learning-based Classification for Melanoma Detection using XceptionNet and DenseNet

8.	Ambika	2025 Global Conference in Emerging Technology (GINOTECH)	https://ieeexplore.ieee.org/document/11076653	Enhancing Breast Cancer Detection and Classification Using Light Attention Deep Convolutional Network: A Novel Approach Integrating Deep Learning and Medical Imaging
9.	Ambika	Proceedings of the International Conference on Advances and Applications in Artificial Intelligence (ICAAAI 2025)	https://www.atlantispress.com/proceedings/icaaaai-25/126012640	Enhancing crop infection categorization: introducing a novel mobilenetv1 based oppositional crayfish algorithm
10.	Ambika	2025 Global Conference in Emerging Technology (GINOTECH)	https://ieeexplore.ieee.org/document/11076697	Enhancing Early Detection of Chronic Obstructive Pulmonary Disease using High-Resolution MRI and Advanced Deep Learning Techniques
11.	Supriya Bagewadi, Sachinkumar Veerashetty	Proceedings of the International Conference on Advances and Applications in Artificial Intelligence (ICAAAI 2025)	International Conference on Advances and Applications in Artificial Intelligence (ICAAAI 2025)	Advanced Texture Classification Using Convolutional Deep Long Short-Term Memory for Enhanced Accuracy and Efficiency
12.	Ayesha Heena	Integrating AI in Science, Management and Technology (AISMT 2025) CCIS SPRINGER NATURE	https://doi.org/10.1007/978-3-032-08260-2_16	Enhancing Attendance Management: A Novel Approach using Advanced Face Recognition Technology
13.	Anupam Patil	IEEE International Conference on Data, Energy and Communication Networks - 2025	10.1109/DECoN67170.2025.11448064.	Fusion-Based Feature Extraction and Lightweight Deep Learning for Pigion Pea Leaf Disease Detection with Comparative Classifier Analysis
14.	Anupam Patil,	2nd Asia Pacific Conference on Innovation in Technology (APCIT 2025)	10.1109/APCIT65661.2025.11411077.	Segmentation of Diseased Regions in Pigeon Pea Leaves using DeepLabV3+ with High-Order Pooling and Optimized Classification
15.	Sandeep,	Proceedings of 2025 International Conference on NexGen Networks and Cybernetics (IC2NC)	10.1109/IC2NC67409.2025.11376105.	Contrastive Incremental Learning Enabled U-Netbased Segmentation Model for Vegetation Classification using Remote Sensing Images
16.	Mallanagouda	International Conference on	Presented,	FARMER ASSISTANCE: AGRICULTURAL CROP

	Biradar	Advancing Technology in Engineering and Science (ICATES - 2025)	In Press	RECOMMENDATIONS BASED ON PRODUCTIVITY AND SEASON USING MACHINE LEARNING
17.	Pawankumar C Patil	2025 International Conference on NexGen Networks and Cybernetics (IC2NC), to be held on 1â€“3 December 2025 at Nandha Engineering College, Erode, Tamil Nadu, India.	10.1109/IC2NC67409.2025.11376388.	IncHS2: Incremental Learning-Enabled Hybrid Attention-Based Deep Learning Model for Land Use and Land Cover Segmentation Using Remote Sensing Images
18.	Dr. NIRUPAMA	IEEE International Conference on Advanced Computing Technologies (ICACT-2025)	10.1109/ICOACT63339.2025	Deep Learning Based Segmentation and Classification framework for Automated Skin Disease Detection
19.	Susheel kumar Bijapure,	AIP Publishing	https://pubs.aip.org/aip/acp/article-abstract/3360/1/020005/3371805/Utilization-of-alternative-fuel-in-common-rail?redirectedFrom=fulltext	Utilization of alternative fuel in common rail directinjection-CRDI engine-A review
20.	Baswanthrao Patil	6th International Conference on IoT Based Control Networks and Intelligent Systems (ICICNIS-2025)	10.1109/ICICNIS66685.2025.11315671.	MCF-UPCN: Modified Conditional Random Fieldi¼Based Deep Learning Model for Liver Tumor Detection Using Computed Tomography Images
21.	Dulange Shradha A,	2nd APCIT 2025 Hosted by Vidya vardhaka College of Engineering, Mysore	10.1109/APCIT65661.2025.11410856.	Adaptive Transmission and Position Prediction Framework for Robust and Scalable Routing in Vehicular Ad Hoc Networks
22.	Dulange Shradha A,	3rd Global Conference on Wireless Computing and Networking (GCWCN2025)	10.1109/GCWCN66157.2025.11448431.	Federated Deep Reinforcement Learning with Graph Neural Networks for Energy-Aware and QoS-Guaranteed Vehicular Ad Hoc Network
23.	Mallamma	2025 6th International Conference on Intelligent	10.1109/ICICV64824.2025.110856	Effective Analysis of Task Scheduling as Well as Load Balancing Schemes and Algorithms in Cloud Computing

		Communication Technologies and Virtual Mobile Networks (ICICV), Tirunelveli, India, 2025	52	
24.	Shruti	2025 5th International Conference on Intelligent Technologies (CONIT), HUBBALI, India	10.1109/CONIT65521.2025.11166838.	Optimized CNN Architecture for Early Detection of Mild Cognitive Impairment
25.	Bannamma Patil	2025 International Conference on Computing Technologies & Data Communication (ICCTDC), HASSAN, India	10.1109/ICCTDC64446.2025.11158868.	Smart IoT-Driven Precision Irrigation: Enhancing Water Efficiency with Machine Learning and Real-Time Environmental Monitoring
26.	Amruta Prabhugouda;	2025 International Conference on Computing Technologies (ICOCT)	https://doi.org/10.1109/ICOCT64433.2025.11118940	Improved Feature Fusion using Deep Residual Network and LeNeT for Data Classification
27.	Trupti	2025 4th International Conference on Applied Artificial Intelligence and Computing (ICAAIC), Salem, India, 2025	10.1109/ICAAIC64647.2025.11330807.	Machine Learning Based System for Identification of Chronic Obstructive Pulmonary Disease (COPD)
28.	Sharanabasav Hosamani	2025 International Conference on NexGen Networks and Cybernetics (IC2NC), Erode, India, 2025	10.1109/IC2NC67409.2025.11376385	HBeONet: Hybrid Bald Eagle Optimized Distributed Attention-based Unet Model for Medical and Satellite Image Denoising

BOOKS

Sl. No	Name of the authors of SUK	Name of the Book	ISBN	Name of the Publisher
1.	Dr. Sudhir Anakal	Data Science and Machine Learning Using Python	978-93-6674-284-7	Scientific International Publishing house
2.	Dr. Archana M Kinagi	Corporate Strategy	978-81-975707-5-9	DPS Publishing House

3.	Dr. Ambika Dr. Virupakshappa	SIPH International Publishers	ISBN: 978-93-7196-630-6	Deep Learning Based Approaches for Crop Disease Detection
4.	Dr. Nagaveni K Dr. Sushma Patil Prof. Shivaganga Patil Dr. Shilpa Shrigiri	SIPH International Publishers	ISBN: 978-93-7196-936-9	Digital Electronics

BOOKS CHAPTER PUBLICATION

Sl. No	Name of the authors of SUK	Name of the Book Chapter	ISBN	Name of the Publisher
1.	Shreedevi Kalyan	"Study of fluid flow nature of micropolar fluid in a vertical channel	DOI: 10.5772/intechopen.1010695	IntechOpen
2.	Basavaraj S. Mammani,	Recent Advances in Management and Engineering	https://doi.org/10.1201/9781003532026	Proceedings of Recent Advances in Management and Engineering
3.	Sharan Kumar,	Advanced Materials for Biomedical Devices	Edition:1st Edition, First Published” 2025. Imprint CRC Press,Pages:12	AI-Enhanced Advanced Materials for Lightweight Additive Manufacturing in Aerospace & Automotive

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Research Publications in Journals, Book Publications, and Conference Presentations.

January 2024 to December 2024

Sl. No	Name of the authors of SUK	Name of the Journal	DOI:	Title of the Research Article
1.	Jagadish Patil	Journal of Applied and Computational Mechanics	https://jacm.scu.ac.ir/article_18973.html	The Effect of Magneto-hydrodynamics on Curved Circular Plate and Porous-rough Flat Plate with Non-Newtonian Fluid
2.	Prashant Kumar S. Chinamalli, Mungamuri Sasikala	Indonesian Journal of Electrical Engineering and Computer Science (IJECS)	https://ijeecs.iaescore.com/index.php/IJECS/article/view/35837	A novel AI-AVO approach for maximum power generation of PMSG
3.	Swathi S Sujata V. Mallapur	Australian Journal of Electrical & Electronic Engineering	https://www.tandfonline.com/doi/full/10.1080/1448837X.2024.2337476	A new hybrid optimization algorithm for maximizing area coverage in wireless sensor networks
4.	Ayesha Heena	Multimedia Tools and Applications	https://link.springer.com/article/10.1007/s11042-023-17108-9	Abnormality classification using convolutional neural network for echocardiographic images
5.	Shreedevi Kalyan, Yamanappa Gudagi,	International Journal of Modelling and Simulation	https://doi.org/10.1080/02286203.2024.2319008	Fluid sustainability by the effect of microrotational flow and chemical reactions in a vertical channel
6.	K Shreedevi, G Yamanappa,	International Journal of Applied and Computational Mathematics	https://link.springer.com/article/10.1007/s40819-024-01709-5	Effect of Magneto Convection Nanofluid Flow in a Vertical Channel
7.	Ambika	Journal of Spatial Science	https://www.tandfonline.com/doi/	Agricultural innovation through deep learning:

			abs/10.1080/14498596.2024.2355225	a hybrid CNN-Transformer architecture for crop disease classification
8.	Ambika, Virupakshappa,	Engineering Proceedings	https://www.mdpi.com/2673-4591/59/1/176	Deep learning-based coverless image steganography on medical images shared via cloud
9.	Ambika Umashetty	Scalable Computing: Practice and Experience	https://scpe.org/index.php/scpe/article/view/2400	Secure Steganography Model over Cloud Environment using Adaptive ABC and Optimum Pixel Adjustment Algorithm
10.	Supriya Bagewadi, Sachinkumar Veerashetty	Signal, Image and Video Processing	https://link.springer.com/article/10.1007/s11760-024-03099-z	Fine-grained textural detail enhancement: concatenating convolutional neural network features with adaptive fuzzy logic
11.	Sudhir Anakal	Journal of Computational Analysis & Applications	https://eudoxuspress.com/index.php/pub/article/view/653	Semantic Web and AI: Knowledge Representation and Reasoning.
12.	Santosh Balgar	Nanotechnology Perceptions	https://doi.org/10.62441/nano-ntp.v20i7.4160	Predictive Modeling of Queue Lengths and Waiting Times in E-Commerce Platforms: A Statistical Approach
13.	Ramesh Kempepatil Jagadish Patil	Alexandria Engineering Journal	https://www.sciencedirect.com/science/article/pii/S1110016824009517	Influence of magneto-hydrodynamic and couple stress squeeze film lubrication on conical bearing-a slip velocity model
14.	Vijayalaxmi Jagadish Patil	International Journal of Hydrogen Energy	https://www.sciencedirect.com/science/article/abs/pii/S0360319924036875	Performance of surface roughness of MHD slip velocity on curved circular and flat plates lubricated with non-Newtonian fluid
15.	Jagadish Patil V.B. Trimbak	Results in Engineering	https://www.sciencedirect.com/science/article/pii/S2590123024011691	Study of MHD on porous flat and curved circular plate lubricated with couple stress fluid-a slip velocity model
16.	Ramesh S. Kempepatil Jagadish Patil	International Communications in Heat and Mass Transfer	https://www.sciencedirect.com/science/article/pii/S0735193324011631	Influence of roughness patterns and slip velocity on the lubrication of MHD-affected secant curved annular plates
17.	Ramesh Sadanand Kempepatil Jagadish Patil Mangala Kandagal	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	https://semarakilmu.com.my/journals/index.php/fluid_mechanics_thermal_sciences/article/view/9469	Features of MHD on Secant Curved Annular Circular Plate Lubricant as a Couple-Stress Fluid with Slip Velocity

18.	Vijayalaxmi Patil Jagadish Patil1 Dhanraj Neela , Vishal Patil Trimbak V Biradar	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	https://semarakilmu.com.my/ journals/index.php/ fluid_mechanics_thermal_sciences/ article/view/9515	Analysis of MHD Effects on Porous Flat Plate and Curved Circular Plate with Couple Stress Fluid
19.	Pawankumar C Patil, Shashidhar Sonnad	Bulletin of Electrical Engineering and Informatics	https://beei.org/index.php/EEI/ article/view/8829	Factorized cross entropy integrated hyperspectral CNN (HSCNet-FACE) for hyperspectral image classification
20.	Sandeep Shashidhar Sonnad	International Journal of Image and Data Fusion	https://www.tandfonline.com/doi/ abs/10.1080/19479832.2024.2425710	Hybrid convolutional network with enhanced graph attention mechanism (HCN-EGAM) for hyperspectral image classification
21.	Swati Shivakumar Kagi, Sujata Veeresh Mallapur	International Journal of Communication Systems	https://onlinelibrary.wiley.com/doi/ abs/10.1002/dac.5953	Wireless sensor network coverage of improved sea lion algorithm
22.	Amruta Prabhugouda Syeda Asra	Journal of Information & Knowledge Management	https://doi.org/10.1142/ S0219649224300018	A Review on Big Data Applications and their Challenges
23.	Nirupama, Virupakshappa	Journal of Imaging Informatics in Medicine	https://link.springer.com/article/ 10.1007/s10278-024-01271-y	Mobilenet-v2: An enhanced skin disease classification by attention and multi-scale features
24.	Shivaprasad Biradar, Virupakshappa	Journal of Imaging Informatics in Medicine	https://link.springer.com/article/ 10.1007/s10278-024-01199-3	AG-MSTLN-EL: A Multi-source Transfer Learning Approach to Brain Tumor Detection
25.	Gurudev Zalki	Wireless Personal Communications	https://link.springer.com/article/ 10.1007/s11277-024-11501-9	Microstrip patch antenna array inspired by split ring resonators for 5.8 ghz applications
26.	Revati C Godi, Revansiddappa S Kinagi	Bulletin of Electrical Engineering and Informatics	https://beei.org/index.php/EEI/ article/view/7860	Parasitic isolation structure for mutual coupling reduction in a multiple input multiple output antenna
27.	Revati C Godi,	Progress in Electromagnetics Research C	doi:10.2528/PIERC24061306	SRA-DGS-NL Based Decoupling Scheme for MIMO Antenna

28.	Shravankumar Arjunagi	Journal of Propulsion technology	https://www.propulsionsjournal.com/index.php/journal/article/view/7643	Inclusion of Chatbot System to Real-Time Facial Emotion Recognition
29.	Virupakshappa	Journal of imaging informatics in medicine	https://link.springer.com/article/10.1007/s10278-024-01290-9	Addressing Challenges in Skin Cancer Diagnosis: A Convolutional Swin Transformer Approach
30.	Virupakshappa	Journal of Chemometrics	https://analyticalsciencejournals.onlinelibrary.wiley.com/doi/abs/10.1002/cem.3593	A Novel Automated System for Early Diabetic Retinopathy Detection and Severity Classification
31.	Mrs. Bhagyalaxmi Koti,	Forum for Linguistic Studies	https://acad-pubs.com/index.php/FLS/article/view/299	A study on impact of socio demographics variables towards professional challenges of women employees for work life balance in it companies at bengaluru city
32.	Laxmi Lakshmi Patil	Journal of Computational Analysis and Applications (JoCAAA)	https://eudoxuspress.com/index.php/pub/article/view/2352	Multi-model Centric Facial Expression Recognition Using Improved Coati Optimization-based Exponential Linear Gated Recurrent Unit with Layer Normalization
33.	Shivganga Patil Lakshmi Patil	International Journal of Communication Networks and Information Security	https://ijcnis.org/index.php/ijcnis/article/view/6896	Enhanced Medical Image Reconstruction Using Deep Learning Classification: A High-Resolution, Noise-Resilient Approach
34.	Sudhir Ankal	The Bioscan	https://thebioscan.com/index.php/pub/article/view/2673/2436	Developing a Wireless Network for Optimum Distance Learning Assistant
35.	Mangala Kandagal, Ramesh Kempepatil	ZAMM-Journal of Applied Mathematics and Mechanics /Zeitschrift für Angewandte Mathematik und Mechanik	https://onlinelibrary.wiley.com/doi/abs/10.1002/zamm.202300998	An investigation of the heat and mass transfer effects in vertical channels with immiscible fluid flow through a porous matrix

CONFERENCE PUBLICATIONS

Sl . No	Name of the	Name of the Conference	DOI	Title of the Research Article
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	authors of SUK			
1.	Nirupama, Dr. Virupakshappa	2024 3rd International conference on Power Electronics and IoT Applications in Renewable Energy and its Control (PARC)	https://ieeexplore.ieee.org/abstract/document/10486701	Survey on Classification of Skin Diseases Using Machine Learning Techniques
2.	Shruti Patil, Shivaleela Patil	2nd International Conference on Challenges in Information, Communication, and Computing Technology (ICCICCT 2024)	http://dx.doi.org/10.1201/9781003559085-28	Smart care for asthma: A machine learning-based CDSS
3.	Revati C Godi,	2024 International Conference on Knowledge Engineering and Communication Systems (ICKECS)	https://ieeexplore.ieee.org/abstract/document/10617227/	MIMO antenna design using SR and DGS based decoupling network
4.	Virupakshappa	2024 International Conference on Electronics, Computing, Communication and Control Technology (ICECCC)	https://ieeexplore.ieee.org/abstract/document/10593945	Panoptic Region Slicing Segmentation and Optimized Alexnet-Based CNN for Early Melanoma Diagnosis

BOOKS PUBLICATION

Sl . No	Name of the authors of SUK	Name of the Book	ISBN	Name of the Publisher
1.	Dr. Basawaraj M Shrigiri Prof. Laxmikanth S G Prof. Praveenkumar Prof. Shivasharanayya Hiremath	Renewable energy resources	978-93-6674-801-6	Scientific International Publishing house
2.	Dr. Archana M Kinagi	Business communication	9789356218468	Orange books
3.	Dr. Sudhir Anakal	Statistics And Data Visualization With Python	978-93-6674-372-1	Scientific International Publishing house
4.	Dr. Sudhir Anakal	Machine Learning And Its Application	978-93-6674-846-7	Scientific International Publishing house
5.	Dr. Sudhir Anakal	Clinical Decision Support System For Diagnosis and Treatment of COPD Using Ensemble Methods	978-91-41-00123-7	Redshine Publication

