

PUBLICATION

Dr. P. M. Shivakumara Swamy

Professor, Department of Electronics & Communication Engineering

A. International Journal Publications

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No	Year	Complete Title	Authors	Journal	Vol./Issue	Pages	DOI / Identifier	Indexing
1	2015	Enhancement of Gaussian Noise Affected Images Using Modified Threshold Function in Curvelet Domain	P. M. Shivakumara Swamy, K. Vani	<i>Advances in Natural and Applied Sciences</i>	9 (6)	513 - 517	—	Peer reviewed
2	2015	SAR Image Enhancement Using Improved Soft Threshold Function in Curvelet Domain	P. M. Shivakumara Swamy, K. Vani	<i>International Journal of Applied Engineering Research</i>	10 (9)	6755 - 6758	—	Indexed

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3	2015	Enhancement of SAR Images Using Modified Threshold Technique with Edge Preservation in Curvelet Domain	P. M. Shivakumara Swamy, K. Vani	<i>International Journal of Applied Engineering Research</i>	10 (79)	859 - 863	—	Indexed
4	2016	Enhancement of SAR Images Using Curvelet with Controlled Shrinking Technique	P. M. Shivakumara Swamy, K. Vani	<i>Remote Sensing Letters</i>	7 (1)	21 - 30	—	WoS/Scopus
5	2016	A Novel Thresholding Technique in the Curvelet Domain for Improved Speckle Removal in SAR Images	P. M. Shivakumara Swamy, K. Vani	<i>Optik</i>	127 (2)	634 - 637	—	Scopus/WoS
6	2016	Image Forgery Detection Using Dyadic Framelets	H. R. Shashidhara, P. M. Shivakumara Swamy, U. B. S., S. R. Bangari	International journal/conference publication	8, NCRASET-16	20 - 24	—	—
7	2016	Implementation of Image Forgery Detection Using	Uma B. S., H. R. Shashidhara, P. M. Shivakumara Swamy	<i>International Journal of Innovative</i>	2 (6)	78 - 87	—	—

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		Lifting Scheme Based Dyadic Framelets		<i>Research in Science and Engineering</i>				
8	2017	Enhancement of SAR Images Using Fuzzy Shrinkage Technique in Curvelet Domain	P. M. Shivakumara Swamy, K. Vani	<i>Sāadhanā</i>	42 (9)	1505 – 1512	—	Scopus/WoS
9	2019	Deviation Controlled Soft Thresholding Technique in Curvelet Domain to Suppress Speckle Noise in SAR Images	P. M. Shivakumara Swamy, K. Vani	<i>Journal of Advanced Research in Dynamical and Control Systems</i>	11 (02-Special)	551 – 559	—	Indexed
10	2020	Non-Invasive Haemoglobin Measurement	P. M. Shivakumaraswamy, S. T. Veerabhadrappe, D. Priyanka, S. K. Srinidhi, Sonia K., Anika Anjani Gowda	<i>International Journal of Recent Technology and Engineering</i>	9 (2)	729 – 733	10.35940/ijrte.B4797.079220	Indexed
11	2021	Continuous Monitoring of Physiological	S. T. Veerabhadrappe, P.	<i>Indian Journal of Science and</i>	14	1689 – 1698	10.17485/IJST/v14i20.2011	Indexed

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		Parameters Using PPG	M. Shivakumara Swamy, G. C. Suguna, S. K. Srinidhi, D. Priyanka V. S. Thippeswamy,	<i>Technology</i>				
12	2021	Prototype Development of Continuous Remote Monitoring of ICU Patients at Home	P. M. Shivakumaraswamy, S. G. Chickaramanna, V. M. Iyengar, A. P. Das, A. Sharma S. G. Chickaramanna, S. T.	<i>Instrumentation Measure Métrologie</i>	20 (2)	79 - 84	10.18280/i2m. 200203	Indexed
13	2022	Classification of Arrhythmia Using Machine Learning Algorithm	Veerabhadrapa, P. M. Shivakumaraswamy et al.	<i>Revue d'Intelligence Artificielle</i>	36 (4)	529 - 534	10.18280/ria. 360403	Indexed
14	2024	Denoising and Analysis of Synthetic Aperture Radar Images Using Improved Weight Threshold Technique in Curvelet Transform	Gouri S. Katageri, P. M. Shivakumara Swamy	<i>Multimedia Tools and Applications</i>	—	—	10.1007/s1104 2-024-19304-7	Scopus + WoS

Sl No	Year	Complete Title	Authors	Journal	Vol./Issue	Pages	DOI / Identifier	Indexing
15	2025	Frequency Domain An IoT and Machine Learning-Enabled Integrated Intelligent Monitoring and Alert System for Landslide Detection, Conflict Avoidance, Vehicle Prioritization, and Heavy Rainfall Management in Ghat Road Sections	P. M. Shivakumara Swamy, Punith Kumar U.	<i>International Journal of Scientific Research in Engineering and Management</i>	9(10)	1 - 9	10.55041/IJSR EM53235	—
16	2025	Adaptive Neuro-Fuzzy Integrated Forecasting - Control Architecture for High- Penetration Renewable Microgrids	Manohar B. S., P. M. Shivakumaraswamy, Basavaraja Banakara	<i>International Journal of Environmental Sciences</i>	11(23s)	6855 - 6862	—	—

The JSSATEB profile explicitly lists the six major early curvelet/SAR journal publications, including *Remote Sensing Letters*, *Optik*, *Sādhanā*, *Advances in Natural and Applied Sciences*, *IJAER*, and *JARDCS*. The 2021–2022 records are independently represented in the institutional IRINS/Vidwan database.

B. Conference / Proceedings Publications

Sl. No.	Year	Title	Authors	Conference / Proceedings	DOI / Details	Status
17	2012	Image Compression and Reconstruction Using Modified Fast Haar Wavelet Transforms	P. M. Shivakumara Swamy	NCATE-2012, GAT Bengaluru	Conference paper	Best Paper Award
18	2017	Embedded Real-Time Acquisition and Control System for Functional Validation of Automotive Spring Evaluation System	Nikitha H. R., P. M. Shivakumara Swamy	ICSIPCA 2017	pp. 586 – 591	Conference
19	2018	Human Voice Sample Separation Using Independent Component Analysis	Sweekar Sudhakara, Syed Raehan Ahmed, B. M. Veerendra Sagar, P. M. Shivakumara Swamy	Conference Proceedings	Paper ID 259	Conference
20	2021	A Study on Face, Expression, Object and Character Recognition to Implement an Aid	P. M. Shivakumaraswamy et al.	ICICNIS 2021	10.2139/ssrn.3882625	Conference

Sl. No.	Year	Title	Authors	Conference / Proceedings	DOI / Details	Status
		for the Visually Impaired				
21	2021	A Novel Model of SAR Image Edge Enhancement and Despeckling	Gouri Katageri, P. M. Shivakumaraswamy	FABS 2021	10.1109/FABS52071.2021.9702546	IEEE
22	2021	Smart Battery Management System for Electric Vehicles	Manohar B. S., Spandana S., Satish Shet, P. M. Shivakumaraswamy et al.	International Virtual Conference on Advances in Computing & Information Technology	Conference paper	Conference
23	2023	EEG Based Detection of Schizophrenia Using Machine Learning	Veeramma Yatnalli, Saroja S. Bhusare, P. M. Shivakumaraswamy et al.	14th ICCCNT	10.1109/ICCCNT56998.2023.10308363	IEEE

C. Book Chapter / Springer Publication

Sl. No.	Year	Title	Authors	Book / Series	Pages	DOI	Indexing
24	2024	Denoising of Synthetic Aperture	Gouri S.	<i>Advances in Computing and</i>	173 –	10.1007/978–	Scopus

Sl. No.	Year	Title	Authors	Book / Series	Pages	DOI	Indexing
		Radar Images Using Dual Tree Curved Wavelet Transform with Modified Cellular Neural Networks	Katageri, P. M. Shivakumara Swamy	<i>Information</i> , Lecture Notes in Electrical Engineering, Vol. 1104	194	981-99-7622-5_12	

D. Publication Summary

Category	Number identified
International journal publications	16
Conference/proceedings publications	7
Springer/book chapter	1
Total identified research publications	24