

Dr. P. KALAVATHI

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|-------------------------------------|--|---|
| 1. Designation | : Professor |  |
| 2. Centre / Department / School | : Computer Science and Applications | |
| 3. Qualification | : M.C.A., M.Phil., Ph.D. | |
| 4. Experience (in years) | : Teaching: 23 years, Research: 11 years | |
| 5. Area of Specialization | : 1) Image Processing
2) Medical Image Processing and Analysis
3) Internet of Things | |
| 6. Mobile Number | : 9445898371 | |
| 7. Email ID | : pkalavathi.gri@gmail.com | |
| 8. Orcid ID | : 0000-0003-3378-1715 | |
| 9. Google Scholar ID | : fiDU-1YAAAAAJ | |
| 10. IRINS Link for detailed profile | : 107255 | |

11. Research Guidance :

Degree	Awarded		Guiding
	Total	For the period 2019-2024	
Ph.D.	5	5	5

12. Publications

S.No.	Category	Total	For the period 2019-2024
1.	No. of UGC CARE Listed Publications	64	22
2.	Books Published	4	-
3.	No. of Chapters in Edited Volume /Proceedings	22	2

Select Publications (2019-2024) (upto 5 publications)

S.No.	Title of the Article	Name of the Journal	I/N	ISBN/ISSN	Vol.	Pg.	Month and Year
1.	An Empirical Selection of Wavelet for Near-Lossless Medical Image Compression	Current Medical Imaging	I	e1875-6603	20	1-24	2023
2.	Near Lossless Compression for 3D Radiological Images Using Optimal Multilinear Singular Value Decomposition	Journal of Digital Imaging	I	0897-1889	36 (1)	259-275	2022
3.	Computational 2D and 3D medical image data compression models	Archives of Computational Methods in Engineering	I	1134-3060	29 (2)	975-1007	2021
4.	A reliable link quality-based RPL routing for Internet of Things	Soft Computing	I	1433-7479	26 (1)	123-135	2021
5.	On a hybrid lossless compression technique for three-dimensional medical images	Journal of Applied Clinical Medical Physics	I	1526-9914	22 (8)	191-203	2021

13. Sponsored Projects:

Major Projects handled so far		Major Projects handled during 2019-2024	
Nos.	Financial Outlay (Rs.in lakhs)	Nos.	Financial Outlay (Rs.in lakhs)
2	37.65	2	37.65

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| 14. No. of Seminars/Conferences/Workshops organized (2019-2024) | :13 |
| 15. No. of Presentations in Seminars/Conferences (2019-2024) | :06 |
| 16. No. of Patents (2019-2024) | : 01 |
| 17. No. of Invited Talks in National / International Conferences (2019-2024) | : 18 |

18. **Additional Responsibilities (2019-2024):**

- Head of the Department, DCSA, GRI
- Member, Planning and Monitoring Board, GRI
- Member, Board of Management, GRI
- Member, Academic Council, GRI
- Chair Person & Member, BoS, DCSA, GRI.
- University Programme Coordinator, NSS, GRI
- Coordinator, Red Ribbon Club, GRI.
- Programme Officer, National Service Scheme, GRI.

19. **Awards / Honours / Recognitions / Achievements: (2019-2024):**

- National Young Leadership Award to GRI NSS Unit on 5.10.2016, Ministry of Youth Affairs & Sports, Government of India.
- Member, Academic Committee, MTWU, Kodaikanal.
- External BoS Member, MTWU Kodaikanal, MKU Madurai, MSU Tirunelveli, Periyar University Salem, Alagappa University Karaikudi, SPMVV Women's University, Tirupati