

Profile of Dr. T. Kalaiselvi

- (i) **Designation** : Assistant Professor
- (ii) **Qualification** : M.C.A, Ph.D., PDF
- (iii) **Experience** : 15 years
- (iv) **Specialization:** Medical Image Analysis, Parallel Computing
- (v) **Email id** : kalaiselvi.gri@gmail.com



(vi) **Research Guidance:**

Degree	Awarded	Guiding
MPhil	20	1
PhD	2	3

(vii) **Publications**

SI. No.	Category	Total
1.	Books	2
2.	No. of Papers in Edited volume / Proceedings	40
3.	No. of Publications in International and National Journals	30

Select Publications:

- 1) Survey of using GPU CUDA Programming Model in Medical Image Analysis, Informatics in Medical Unlocked, Elsevier Publications, Vol. 9, pp. 133- 144, August 2017. (**SJR 0.14, SNIP : 2.525**)
- 2) Energy Update Restricted Chan–Vese Model for Tumor Extraction from MRI of Human Head Scans, International Journal of Computational Methods, Vol. 14, No. 7 (2017) pp. 1-25 (**ISI Impact Factor: 1.053, SJR:0.538**)
- 3) Fully Automatic Method for Segmentation of Brain Tumor from Multimodal Magnetic Resonance Images Using Wavelet Transformation and Clustering Technique, International Journal of Imaging Systems and Technology, Wiley Publications, Volume 26, No. 4, December 2016, pp. 305–314. (**ISI Impact Factor: 1.139, SJR 0.23**)
- 4) A new fuzzy clustering algorithm for the segmentation of brain tumor, Soft Computing, Springer Berlin Heidelberg, Vol. 20, No. 12, pp. 4859-4879, 2016. (**ISI Impact Factor: 2.472, SJR 0.75, SNIP : 1.141**)
- 5) Automatic Brain Extraction Methods for T1 Magnetic Resonance Images using Region Labeling and Morphological Operations, Computers in Biology and Medicine, Vol. 41, No. 8, pp. 716-725, August 2011. (**ISI Impact Factor: 1.836, SJR 0.54, SNIP: 1.031**)

(viii) Sponsored Projects

Sl.No	Title of the Project	Funding Agency	Duration	Total Amount
1.	Development of an Automatic Tool for Brain Image Extraction and Brain Tumor Detection from Magnetic Resonance Imaging (MRI) Head Scans	DST (under Scheme for Young Scientists and Professionals)	3 Years (Oct 2008 to Oct 2011)	Rs. 8.7 Lakhs
2.	Development of an Automatic Methods for Identifying the Afflicted Brain from Brain Signals using Computational Intelligence Techniques	UGC – MRP (Recommended by UGC Interface meeting during 2014)	-	Rs. 9 Lakhs

(ix) Seminars/Conferences/Workshops organized : 2 Conferences

(National = 1 and International = 1)

(x) Seminars/Conferences/Workshops attended : 15

(xi) Invited talks in National / International Conference : 7

(xv) Visits abroad :

- 1) Malaysia – for presenting conference paper
- 2) Canada – as a visiting scientist to St.John University

(xii) Additional responsibilities:

- 1) Deputy Warden (GRI Ladies Hostel)
- 2) Library in-charge (Dept. Library)
- 3) Student mentor, DCS&A, GRI
- 4) Advisory Committee Member, Web-site Management, GRI
- 5) Advisory Committee Member, IPR Cell, GRI
- 6) Convener, Software Development Committee, GRI Hostels
