

**Name: Dr. R. Vanithamani**

List of publications (Paper published during last 5 years)

**Journal Publications**

S. No.	Name of the author	Title of paper published	Name of the Journal	Volume/ Issue/pp.	Year
1.	Pavithra S. <b>Vanithamani R.</b> Justin J.	Computer aided breast cancer detection using ultrasound images	Materials Today: Proceedings-Elsevier	Article in press	2020
2.	Shilpa Saravanan, B Heshma, AV Ashma Shanofer, <b>R Vanithamani</b>	Skin cancer detection using dermoscope images	Materials Today: Proceedings-Elsevier	Article in press	2020
3.	D.Pavithra, P.Chandni, Raja Rajeswari, D.Padmini, Priya, S.Vishnu, <b>Vanithamani. R.</b>	Cardiac Tele-care	Indian Journal of Public Health Research & Development.	Vol. 10, 1326-1328	2019
4.	C Suresh, H Nagabhushana, R B Basavaraj, G.P.Darshan, B Daruka Prasad D. Kavyashree S C Sharma, <b>R.Vanithamani</b>	Sio2@LaOF: Eu3+ core- shell functional nanomaterials for Sensitive Visualization of Latent Fingerprints, and WLED Applications	Journal of colloid and Interface Science Elsevier	Vol.518, pp.200-215	2018
5.	K.V.Archana, <b>Dr.R.Vanithamani</b>	Review on Intravascular Ultrasound (IVUS) Image Detection,	Advanced Research in Science, Engineering and Technology	Vol. 4, Issue 7	2017
6.	K.Divyadarshini, <b>R.Vanithamani</b>	Segmentation of Mammographic Masses using Gray Level Thresholding	International Journal of Tomography and Simulation	Vol.28, Issue 1, pp. 65	2015
7.	<b>R Vanithamani,</b> R.Dhivya	Tumor Detection in Breast Ultrasound images	I J C T A, International Journal of Control Theory and Applications, Vol.8 No.5,2015	Vol.8 No.5, pp. 1881-1885.	2015

8.	K.Divyadarshini <b>R.Vanithamani</b> and S.Sharmili	Classification of Mammographic Masses Using Fuzzy Inference System	COMPUSOFT, An International Journal of Advanced Computer Technology,	Volume- 4,Issue-7, pp. 2320- 0790.	2015
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**Full paper published in the proceedings of Conference / Seminars / Symposia, etc**

S. No	Paper Details	ISBN No
1.	Judith Justin, <b>R.Vanithamani</b> , R.Renee Christina, Comparative Study of Retinal Vessel Segmentation Methods, <b><u>2015 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC)</u></b> , December, 2015. pp.67-69	978-1-4799-7849-6
2.	<b>R. Vanithamani</b> , R. Dhivya, S. Sharmili, <u>A novel hybrid technique for visual enhancement of medical ultrasound images</u> , <b><u>2015 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC)</u></b> , December, 2015. pp.- 43-46	978-1-4799-7849-6
3.	R Sudarmani, <b>R Vanithamani</b> , Minimum spanning tree for clustered heterogeneous sensor networks with mobile sink, <b>IEEE International Conference on Computational Intelligence and Computing Research (ICCIC)</b> , December, 2015, pp. 24 - 29.	978-1-4799-7849-6
4.	R. Renee Christina, R. Vanithamani & R.Dhivya, Dental caries Detection using NIR Imaging Techniques, IET Digital Library, pp.1-4, 2016	978-1-78561-786-7
5.	Aneesha Rappai, Vaishnavi.R, <b>Vanithamani.R</b> , Ubiquitous Monitoring and tracking System by utilizing Wireless Communication, National Conference on Recent Innovations in Healthcare Technologies ( <b><i>NCRIHT' 17</i></b> ) April 10, 2017, pp.76-78	978-93-80-769-90-5
6.	Hari Priya. A, <b>Vanithamani. R</b> , Nurse Alert System through Android Proceedings of National Seminar on Innovations in Biomedical Devices <b><i>NSIBD'17</i></b> , pp. 39-43.	978-93-84-234-44

**Patents Filed:**

<b>S. No</b>	<b>Patent Title</b>	<b>Name of Applicant(s)</b>	<b>Patent No.</b>	<b>Award Date</b>	<b>Agency / Country</b>	<b>Status</b>
1.	Device and method of an Infrared Camera to detect dental caries and its image is captured and stored in a computer / mobile phone for further processing or Second Opinion	Renee Christina, Judith Justin, <b>R.Vanithamani</b>	201741015393 A		India	Examination stage