

**Dr.P.Manimegalai**

Associate Professor, Biomedical Engineering

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Email : manimegalai@karunya.edu**RESEARCH INTERESTS****Biosignal Processing, Medical Device Design, Image Processing, AI in healthcare****EXPERIENCE****20 Years****RESEARCH PROFILES**

1	Google Scholar Profile	https://scholar.google.com/citations?user=5GdT5OYAAAAI&hl=en
2	Scopus Profile	https://www.scopus.com/authid/detail.uri?authorId=38362113600

PATENTS

UV Object Sanitizer -Granted. Low- cost portable CPAP- published. Wearable CPAP for altitude sickness- published. Smart cradle companion

RESEARCH PROJECTS

S.N	Title of the project	Funding Agency	Amount (Rs.)	Year
1	Low Cost CPAP Machine	Harvard University	20000	2021
2	Development of VR based training system for post stroke rehabilitation	ICMR	14 Lakhs	2023
3	Demask-A biowaste management kiosk	ICMR	10 Lakhs	2023

SUMMARY OF INTERNATIONAL JOURNAL & CONFERENCE PUBLICATIONS - [PUBLISHED & ACCEPTED]

Year	International Journal Publications	International Conference Publications	National Conference publications	Cumulative Impact Factor	Scopus Citations	Google Scholar Citations	h-index
2009 - 2021	10 4	28	5	4.1	560	854	15

EDITORIAL BOARD MEMBER:**EDUCATION**

Degree	Branch / Specialization	University	Class	Mode	Month &Year of Passing
Ph.D.,	Information and Communication/Biosignal Processing	Anna University,Chennai		Parttime	June 2013
M.E.,	Applied Electronics	Anna University,Chennai	I class	Parttime	June 2008
B.E.,	Biomedical Instrumentation	Avinashilingam University	I Class	Fulltime	May 2000

TEACHING INTERESTS**Diagnostic and Therapeutic Devices, Human Anatomy and Physiology ,Biomedical Medical Image Processing, Machine learning and Deep Learning****RESEARCH GUIDANCE**

Research guidance as supervisor	Completed	Ongoing
Doctor of Philosophy - PhD Thesis advising	15	8
Master of Engineering - Master's Thesis advising	18	1