



Dr. RM. Vidhyavathi
Assistant Professor

Contact

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Academic Qualifications:

Degree	Year of Passing	University / Institute
M. Sc. (Computer Science)	May, 2005	Madras University
M. Phil (Computer Science)	Mar, 2007	Alagappa University
M. Tech (Information Technology)	Apr, 2010	Sathyabama University
Ph. D (Computer Science)	Feb, 2014	Alagappa University

Teaching Experience: 7.2 Years

Designation	Institution	Department	Duration
Assistant Professor	Alagappa University, Karaikudi	Bioinformatics	Aug 2015 to till date
Teaching Assistant	Alagappa University, Karaikudi	Computer Science and Engineering	Jul 2014 to Apr 2015
Teaching Assistant	Alagappa University, Karaikudi	Computer Science and Engineering	Jul 2013 to Apr 2014

Senior Lecturer	Madha Institute of Engineering and Technology, Chennai	Information Technology	Jun 2010 to Jan 2011
Senior Lecturer	Jaya Engineering College, Chennai	Computer Science and Engineering	Aug 2006 to May 2010

Research Experience: 7.8 years

Additional Responsibilities

S. No.	Position
1.	Secretary, School of Biological Sciences Alumni
2.	Co-ordinator, Azaghu/Departmental Magazine
3.	Training Officer, Vivekananda Cadet Corps(July 2016-June 2017)
4.	Member, Centre for Yoga Education
5.	Co-ordinator, Department Alumni and Parent Teacher Association
6.	Co-ordinator, Department Website and Computer Maintenance Committee
7.	Member, Department Research Committee
8.	Member, Department Purchase Committee
9.	Member, Department Employability Skills and Career Guidance
10.	Executive Member, Alagappa University Faculty Association (ALUFA)
11.	Member, Symposium and Association coordinator in Jaya Engineering College Chennai.
12.	In-charge of Alumni in Jaya Engineering College Chennai
13.	In-charge of Department Library in Madha Institute of Engineering and Technology, Chennai.

Areas of Research

Data mining and Data Warehousing, Database Security, Networking, Database Management System, Network Security, Information Security, Cloud Computing, Big Data Analysis and Computational Biology

Research Supervision / Guidance

Program of Study	Completed	Ongoing
Ph.D.	-	-

Research	M.Phil.	-	-
Project	M.Tech	-	-
	M.Sc	2	-
	P.G.D.S.P	1	-
	UG / Others	5	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
8	1	-	4	-

Cumulative Impact Factor (as per JCR) : 2.614
h-index : 4
i10 : 1
Total Citations : 33

Funded Research Projects

Completed Projects: Nil

Ongoing Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	AURF Start up Grant	2015	2017	Classification of hierarchical clustering with FP-Growth algorithm to analyzing and creating the solution for chromosomal disorder	0.80

Consultancy Projects: Nil

Distinctive Achievements / Awards

- Alagappa University Start-up Grant (AURF).

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized:

- Organizing Committee Member, 10th National Symposium cum Workshop on “Recent Trends in Structural Bioinformatics and Computer Aided Drug Design” and 1st Annual Meeting of Bioinformatics and Drug Discovery Society [BIDDS] - 2018
- Parents Teacher Association Meet organized by Coordinators on 4th Mar2017.
- Organizing Committee Member, 8th National Symposium Cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD-2017), 14th -17th Feb, 2017.
- School of Biological Sciences Alumni Meet organized by Alumni Office Bearers on 4th Jan 2017.
- Organizing Committee Member, 8th National Symposium Cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD-2016), 16th -19th Feb, 2016.

Events Participated (optional)

Conferences / Seminars / Workshops:

1	Presented a paper in the “10 th National Symposium cum Workshop on “Recent Trends in Structural Bioinformatics and Computer Aided Drug Design ” entitled Dendb: Development Of Specialized Antidengue Database Using SVM And ARM Algorithms [SBCADD'2018].
2	Presented a paper in the “9 th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design” entitled SCN5A Gene SNP’s in Irritable Bowel Syndrome and Its Influence in Structural Variance [SBCADD'2017].
3	Presented a paper in the “9 th National Symposium cum Workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design” entitled as Computational identification of potent inhibitors for Streptomycin 3’-adenylyltransferase of <i>Serratia marcescens</i> [SBCADD'2017].
4	Participated in the National Workshop on “Career Prospects and Developments in Computer Science ” Organized University Business Collaboration Centre & Development of Computer Science held on 27.02.2017 and 28.02.2017 at Alagappa University, Karaikudi

5	Participated in the International Workshop on “Molecular Physiology, Therapeutics and Experimental Medicine” conducted by Department of Animal Health and Management held on 06.09.2016 and 07.09.2016 at Alagappa University, Karaikudi.
6	Presented a paper in the “National Seminar on Advances in Computer science” entitled Computational Algorithms and its Applications in Modern Biology, organized by the Department of Computer Science, Alagappa University, Karaikudi.
7	Participated in the International Workshop on, “Data Science and Analytics” conducted by Department of Computer Science held on 27.09.2016 and 28.09.2016 at Alagappa University, Karaikudi.
8	Faculty Development Program on “Cloud Infrastructure and Services” at Alagappa University, Karaikudi held on 23.02.2015 to 27.02.2015.
9	Faculty Development Program on “Free and Open Source Software” at Jaya engineering college held on 23.11.2009 to 27.11.2009.
10	Anna University Sponsored FDP on “Object-Oriented Analysis and Design” held on 07.05.2007 to 21.05.2007.
11	Participated in the I.T National Conference on, “Web Technology and Open Source”, conducted by Jaya Engineering College held on 08.03.2007 and 09.03.2007 at CLRI Campus, Chennai.

Recent Publications

1. EL Lydia, PK Kumar, K Shankar, SK Lakshmanaprabu, **RM.Vidhyavathi** [2018] “Charismatic Document Clustering Through Novel K-Means Non-negative Matrix Factorization (KNMF) Algorithm Using Key Phrase Extraction” International Journal of Parallel Programming. 1-19 (2018). (**Impact Factor: 0.897**).
2. Shankar K, Lakshmanaprabu S K, Ilayaraja M, Jr., **Vidhyavathi RM** [2018] “Feature Level Fusion Based ANFIS Classifier for Brain MRI Image Classification”, Concurrency and Computation: Practice and Experience. (**Scopus Indexed, Impact Factor: 1.114**).