



Dr. A. PADMAPRIYA

Professor & Head

Contact Details

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Academic Qualifications

Degree	Institution	Year	Branch	Class
Ph. D	Alagappa University - Karaikudi	2012	Computer Science & Engineering	Highly Commended
M. Phil	Mother Teresa Women's University - Kodaikanal	2004	Computer Science	Highly Commended
M. C. A	Shrimati Indira Gandhi College, Trichy - Affiliated to Bharathidasan University	2003	Computer Science	First Class with Distinction (85.4%)
B. Sc	Government Arts College for Women, Pudukkottai Affiliated to Bharathidasan University	2000	Computer Science	First Class with Distinction (84.3%)

Teaching Experience

Total Teaching Experience : 22 Years

Position	Institution	Duration
Professor & Head	Department of Computer Science, Alagappa University, Karaikudi	Feb 2025 till date
Professor & Head i/c	Department of Computer Science, Alagappa University, Karaikudi	June 2023 to Feb 2025
Professor	Department of Computer Science, Alagappa University, Karaikudi	Aug 2018 to April 2023
Associate Professor	Department of Computer Science, Alagappa University	June 2016 to Aug 2018
Associate Professor	Department of Computer Science and Engineering, Alagappa University	Aug 2015 to June 2016
Assistant Professor	Department of Computer Science and Engineering, Alagappa University	Dec 2004 to Aug 2015
Guest Lecturer	Department of Computer Science, Government Arts College for Women, Pudukkottai,	Sep 2003 to Nov 2004

Research Experience

Total Research Experience : 19 Years

Position	Institution / University	Duration
Professor	Alagappa University	From 2018 till date
Associate Professor	Alagappa University	2015 to 2018
Assistant Professor	Alagappa University	2006 to 2015

Academic and Additional Responsibilities

S. No.	Position	University Bodies	Period	
			From	To
1	Dean	Research	May 2026	Till Date
2	Special Officer	Planning & Development, Alagappa University	Apr 2023	May 2026
3	Chairperson	School of Computational Science	Aug 2025	Till Date
4	Member	Curriculum Design & Development Cell Advisory Board	Jan 2025	Till Date
5	Dean i/c	Research	Sep 2024	Aug 2024
6	Director i/c	Management Information System, Alagappa University	Mar 2024	Sep 2024
7	Member	Alagappa University Ranking Cell (AURC)	2017	Till Date

8	Member	Anti Ragging Committee, Alagappa University	2016	2024
9	Member	Inspection Committee, Affiliated colleges (CDC), Alagappa University	2016	Till Date
10	Member	Inspection Committee & BOS Committee, Collaborative programmes (CP)	2016	Till Date
11	Coordinator	Data Management Centre, Alagappa University	2020	2021
12	Assistant Director	Directorate of Online Programmes, Alagappa University	2018	2020
13	Member	Preparation Committee for IOE, Alagappa University	2017	2018
14	Coordinator	Coaching for NET exams, Alagappa University	2016	2018
15	Member	Web site updation and upgradation committee, Alagappa University	2016	2018
16	Member	Government Service Examination Coaching, Alagappa University	2016	2017

Areas of Research

- **Information Security**
- **Data Analytics**
- **Communication Networks**

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
85	50	-	49	10

h-index : 10

i10 index : 11

Total Citations : 290

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	PDF	-	-
	Ph. D	6	8
	M. Phil	46	-
Project	PG	287	25
	UG / Others	6	-

Funded Research Projects

Ongoing Projects:

S. No.	Agency	Period	Project Title	Budget (Rs. In lakhs)
1	CMRG	2026-2028	Smart Radiation Level and Dust Particle Monitoring in ICUs	17.85

Completed Projects:

S. No.	Agency	Period	Project Title	Budget (Rs. In lakhs)
1	EIR-RUSA 2.0	June 2023 – August 2023	Secured Sharing of Smart Healthcare Data over Cloud Environment	0.50
2	RUSA	2019 - 2024	Novel approach for secured data sharing using cloud	7.3
3			Prediction Models for agriculture	

Academic Achievements / Awards

- Passed UGC-NET in December 2003
- Got Gold Medal for M. C. A from Bharathidasan University
- Best outgoing student of M. C. A & first prize for Proficiency in Major in M. C. A
- Secured University fourth rank in B. Sc., Computer Science
- Best outgoing student of B.Sc., Computer Science
- Got first prize for Proficiency in Major and Allied (Physics) in B.Sc., Computer Science

Overseas Exposure / Visits

Visited Singapore during Sep 08 – 15, 2010 for presenting a paper at the International Conference on Mechanical and Electrical Technology (ICMET), Organized by IEEE & IACSIT

Memberships

Professional Bodies

1. Professional Member, Association for Computing Machinery (ACM)
2. Life Member of International Association for Computer Science and Information Technology (IACSIT)
3. Life Member of International Association of Engineers (IAENG)

Advisory Board

Year / Period	Name of the BoS / Administrative Committee / Academic Committee	Role
2026 – 2029	Board of Studies for M. Sc IT, M. Sc (CS&IT, B. Sc Data Science and PG Diploma in Data Science of Alagappa University Affiliated Colleges	Chairman
2024 Onwards	Board of Studies for M. Sc (Computer Science) & M. Sc (Cyber Forensics), Alagappa University	Chairman
2023 Onwards	Steering Committee, IQAC, Alagappa University	Member
2023 Onwards	Planning Board, Alagappa University	Special Invitee
2022 Onwards	Standing Committee on Academic Affairs, Alagappa University	Special Invitee
2022 Onwards	Board of Studies for M. Sc (Cyber Forensics), Alagappa University	Member
2022 Onwards	Board of Studies for M. Sc (CS & IT), B. Voc (SD), B. Sc (AI) – Affiliated Colleges, Alagappa University	Chairman
2022 Onwards	Board of Studies for M. Sc (CS), B. Sc (CS), M. Phil (CS) – Affiliated Colleges, Alagappa University	Member
2019 Onwards	Broad based Board of Studies, Alagappa University	Member
2005 Onwards	Board of Studies (Regular), Examination board (Regular / DDE), Question Paper Setting Board (DDE), Alagappa University	Member
2005 Onwards	Question Paper Scrutinizing Board for Distance Education Courses (UG / PG), Alagappa University	Chairman

Academic Bodies in Other Institutes/ Universities

Year / Period	Name of the BoS / Administrative Committee / Academic Committee	Role
2025 Onwards	Kalasalingam Academy of Research and Education, Krishnankoil-626126,	Subject Expert
2023 Onwards	H. H. The Rajah's College, Pudukkottai	Subject Expert
2022 Onwards	Raja Serfoji Government College, Thanjavur	Subject Expert
2022 Onwards	Jammal Mohamed College, Trichy	Subject Expert
2022 Onwards	Kalaignar Karunanidhi Government Arts College for Women (Autonomous), Pudukkottai	Subject Expert
2020 Onwards	St. Jopesh's College, Trichy	Subject Expert
2020 Onwards	STET Women's College, Mannargudi	Subject Expert
2016 Onwards	JJ College of Arts and Science, Pudukkottai	Subject Expert
2012 to 2015	Broad based Board of Studies in Computer Science, Bharathidasan University, Thiruchirappalli	Member
2016 Onwards	Various National and State level Conferences, Seminars and Workshops	Advisory Board Member
2016	International Conference on Mining, Intelligence and Knowledge Exploration (MIKE 2016),	Program Committee Member
2015	International Conference on Innovations in Computer Science & Technology, Alagappa University, Karaikudi	Reviewer Committee Member
2012 Onwards	Springer Conferences (Indian Chapter)	Program Committee Member
2011 Onwards	IEEE Conferences, China Chapter	
2011 Onwards	IEEE Conferences, Symposiums - Malaysian Chapter	
2004 to 2006 2011 to 2013	Board of Studies in Computer Science, Government Arts College for Women, Pudukkottai	Member
2005 Onwards	Question Paper Setting Board of Periyar University, Bharathidasan University, Bharathiar University, Pondicherry University, Mother Teresa Women's University Madurai Kamaraj University Anna University	Member

Ph. D. Thesis Evaluated / Guided

1. No. of PhD Thesis evaluated : 48
2. No. of PhD Public Viva Voce Examination conducted : 43

Ph. D. Guided

S. No.	Name of the Scholar	Title of the Thesis	Year of Completion
1	L. Sathish Kumar	Efficient information extraction for health care systems	2018
2	P. Subhasri	Novel Approach for Ensuring Privacy of DICOM Content in Public Cloud	2018
3	N. Kanagaraj	Symmetric cryptographic framework for network security	2020
4	Mu. Annalakshmi	Ontology based information filtering Using evidence phrases	2022
5	S. Jeyabharathy	Novel Approach for Improving Predictive and Perspective Analytics	2024
6	P. Priyanga	Pattern Prediction using Clustering for Mobile Service Rating	2024

Recent Publications

S. No.	Authors/Title of the paper/Journal
1	Mrinali Das, Padmapriya Arumugam, Arun Kumar Sangaiah (2026). Pseudo-random obfuscation with enhanced randomization standard utilizing ANN-based key generation for mHealth IoT data security. <i>International Journal of Machine Learning and Cybernetics</i> 17, 159 (2026). https://doi.org/10.1007/s13042-025-02932-2
2	Arunmozhi Arasan, K., Ramaraj, E., & Padmapriya, A. (2025). Clinical Support System for Healthcare Providers Using Big Data Analytics. <i>Journal of Evaluation in Clinical Practice</i> , 31(1), e70014.
3	A. K. Sangaiah, J. Anandakrishnan, V. Meenakshisundaram, M. A. A. Rahman, Padmapriya Arumugam and Mrinali Das, "Edge-IoT-UAV Adaptation Toward Precision Agriculture Using 3D-LiDAR Point Clouds," in <i>IEEE Internet of Things Magazine</i> , vol. 8, no. 1, pp. 19-25, January 2025, doi: 10.1109/IOTM.001.2400027
4	P. Priyanga, Padmapriya Arumugam, Prognosticating Mobile Application Usage Pattern with Modified Genetic Algorithm and Dynamic Density

	Updated Clustering Approach, Human Machine Interaction in the Digital Era, © 2024 Taylor & Francis Group, London, ISBN 978-1-032-54998-9 DOI: 10.1201/9781003428466-34
5	Jeyabharathy S., Padmapriya Arumugam (2023), Stratified Sampling-Based Deep Learning Approach to Increase Prediction Accuracy of Unbalanced Dataset. <i>Electronics</i> 2023, 12,4423. https://doi.org/10.3390/electronics12214423
6	Yogeswari, G. and Padmapriya, A. (2023) Sensor Based Nutrient Recommender System for Solanum lycopersicum. In: <i>Advances and Challenges in Science and Technology Vol. 3</i> . B P International, pp. 45-65. ISBN 978-81-19761-05-0 Official URL: https://doi.org/10.9734/bpi/acst/v3/11058F
7	Subhasri, Prabhakaran, and Arumugam Padmapriya (2021) Cryptanalysis for securing DICOM medical contents using multilevel encryption, <i>International Journal of Biomedical Engineering and Technology</i> 36.4 (2021): 350-357.
8	Jeyabharathy S., Padmapriya Arumugam (2021) Predicting the Decomposition Level of Forest Trees Through Ensembling Methods. In: Bhattacharya M., Kharb L., Chahal D. (eds) <i>Information, Communication and Computing Technology. ICICCT 2021. Communications in Computer and Information Science</i> , vol 1417. Springer, Cham. https://doi.org/10.1007/978-3-030-88378-2_20 .
9	Mu. Annalakshmi, A.Padmapriya (2020), Evidence Phrase Based Combined Relevance for Web Information Filtering, <i>International Journal on Emerging Technologies</i> 11(4), June 2020, pp.72-77
10	G. Yogeswari, A.Padmapriya (2019), Recommender System for Nutrient Management Based on Precision Agriculture, <i>International Journal of Recent Technology and Engineering</i> , November 2019, ISSN 2278-3075 (Online), Vol. 8 Issue 4, pp. 227-235

Events organized in Leading Roles

Number of Seminars / Conferences / Workshops / Events organized: 49

Resource persons in various capacities

National Conferences	:	21
International Conferences	:	33
Invited Lectures	:	56

Events participated

Number of Conferences / Seminars / Workshops: 23

Social Involvement

Member - Smile Welfare Foundation, Chennai.

*“A positive foundation of change in the field of education for
the underprivileged kids”*