



Dr. A. PADMAPRIYA
Professor & Head i/c

Contact

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Academic Qualifications

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

Teaching Experience

Total Teaching Experience : 20 Years

Position	Institution	Duration
Professor & Head i/c	Department of Computer Science, Alagappa University, Karaikudi	May 2023 till date
Professor	Department of Computer Science, Alagappa University, Karaikudi	Aug 2018 to April 2023
Associate Professor	Department of Computer Science, Alagappa University, Karaikudi	June 2016 to Aug 2018
Associate Professor	Department of Computer Science and Engineering, Alagappa University, Karaikudi	Aug 2015 to June 2016
Assistant Professor	Department of Computer Science and Engineering, Alagappa University, Karaikudi	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 : 17 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	Director i/c	Management Information System, Alagappa University	Mar 2024	Till Date
2	Special Officer	Planning & Development, Alagappa University	Apr 2023	Till Date
3	Member	Alagappa University Ranking Cell (AURC)	2017	Till Date
4	Member	Anti Ragging Committee, Alagappa University	2016	Till Date
5	Member	Inspection Committee, Affiliated colleges (CDC), Alagappa University	2016	Till Date
6	Member	Inspection Committee & BOS Committee, Collaborative programmes (CP)	2016	Till Date

7	Coordinator	Data Management Centre, Alagappa University	2020	2021
8	Assistant Director	Directorate of Online Programmes, Alagappa University	2018	2020
9	Member	Preparation Committee for IOE, Alagappa University	2017	2018
10	Coordinator	Coaching for NET exams, Alagappa University	2016	2018
11	Member	Web site updation and upgradation committee, Alagappa University	2016	2018
12	Member	Government Service Examination Coaching, Alagappa University	2016	2017

Areas of Research

- Information Security
- Data Analytics
- Communication Networks

Research Supervision/Guidance

Program of Study		Completed	Ongoing
Research	Ph. D	4	7
	M. Phil	45	-
Project	PG	241	20
	UG/ Others	6	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books/Chapters/Monographs/Manuals
73	36	-	45	07

Cumulative Impact Factor (as per JCR) : 7.1

h-index : 10

i10 index : 10

Total Citations : 226

Funded Research Projects

Ongoing Projects:

S. No.	Agency	Period	Project Title	Budget (Rs. In lakhs)
1	RUSA	2022 - *	Novel approach for secured data sharing using cloud	4

Completed Projects:

S. No.	Agency	Period	Project Title	Budget (Rs. In lakhs)
1	RUSA	2019 – 2021	Prediction Models for agriculture	3.3
2	EIR-RUSA 2.0	June 2023 – August 2023	Secured Sharing of Smart Healthcare Data over Cloud Environment	0.30

Distinctive 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 and 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

Events organized in leading roles

Number of Seminars /Conferences /Workshops/ Events organized: 30

Position	Programme	Duration	Institution
Organizing Secretary	Expert Lecture on Cyber Forensics	24th & 25th August, 2023	Department of Computer Science, Alagappa University, Karaikudi
Co Convenor	International Conference on Recent Trends in Computer Science (RTCS-2023)	March 30-31, 2023	Department of Computer Science, Alagappa University, Karaikudi
Co Convenor	Expert Lecture Series #DCSELS 2	March 17 th 2023	Department of Computer Science, Alagappa University, Karaikudi

Coordinator	Women's Day Celebration	March 2023	Women Empowerment Club, Department of Computer Science, Alagappa University, Karaikudi
Organizing Secretary	Parents Teachers Meeting	January 2023	Department of Computer Science, Alagappa University, Karaikudi
Organizing Secretary	Three days workshop on Multimedia Animation and IoT (MAIOT-2022)	28-30th September 2022	Department of Computer Science, Alagappa University, Karaikudi
Co Convenor	One-day Expert Lecture on "Ethical Hacking and Cloud Computing"	1st August, 2022	Department of Computer Science, Alagappa University, Karaikudi
Organizing Secretary	One day training programme on React Native & UI Software Framework	30 th March 2022	Department of Computer Science, Alagappa University, Karaikudi
Coordinator	Women's Day Celebration	March 2022	Women Empowerment Club, Department of Computer Science, Alagappa University, Karaikudi
Coordinator	Women's Day Celebration	March 2021	Women Empowerment Cell, Department of Computer Science, Alagappa University, Karaikudi
Organizing Committee Member	Webinar on Role of VR & AR Industry 4.0	15.05.2020 16.05.2020	Department of Computer Science, Alagappa University, Karaikudi
Coordinator	Women's Day Celebration	March 2020	Women Empowerment Club, Department of Computer Science, Alagappa University, Karaikudi
Co Convenor	International Conference on Computational Sciences (ICCS 2019)	23rd & 24th Oct 2019	Department of Computer Science, Alagappa University, Karaikudi
Event Coordinator	One day Workshop on Virtual Reality & Digital Publishing	19 th August 2019	Department of Computer Science, Alagappa University, Karaikudi
Co-ordinaor	Village Extension Program 2019 (Pillaiyarpatti & Vairavanpatti)	September 2019	Department of Computer Science, Alagappa University, Karaikudi
Coordinator	Women's Day Celebration	March 2019	Women Empowerment Club, Department of Computer Science,
Coordinator	Women's Day Celebration	March 2018	Women Empowerment Club, Department of Computer Science, Alagappa University, Karaikudi

Co Convenor	National Conference on Cyber Security	Jan 25, 2018	Department of Computer Science, Alagappa University, Karaikudi
Organizing Secretary	Two day Workshop on “Computational Sciences – Techniques for Understanding & Solving Complex Real-World Problems”	4th & 5th January, 2018	Department of Computer Science, Alagappa University, Karaikudi
Co Convenor	National Conference on Emerging Trends in Computing NCETC 2017	13-14 March 2017	Department of Computer Science, Alagappa University, Karaikudi
Coordinator	Women’s Day Celebration	March 2017	Women Empowerment Club, Department of Computer Science, Alagappa University, Karaikudi
Co Convenor	National Seminar on Advances in Computer Science NSACS 2016	21-22, October 2016	Department of Computer Science, Alagappa University, Karaikudi
Organizing Secretary	International Workshop on Data Science & Analytics	27 th & 28 th September 2016	Department of Computer Science, Alagappa University, Karaikudi
Organizing Secretary	International Conference on Innovations in Computer Science and Technology – ICICST 2016	2016	Department of Computer Science and Engineering, Alagappa University, Karaikudi
Organizing Committee Member & Session Chair	National Conference MINDS 2014	2014	Department of Computer Science and Engineering, Alagappa University, Karaikudi
Organizing Committee Member	One day seminar of .NET Technologies	17-3-2011	E-Literacy Cell & School of Computer Science, Alagappa University, Karaikudi
Organizing Committee Member	16 th Workshop on Smart and Secure Environment sponsored by NTRO, New Delhi	17-12-2010 & 18-12-2010	Department of Computer Science and Engineering, Alagappa University, Karaikudi
Organizing Committee Member	Computer Security Day	1-12-2010	Department of Computer Science and Engineering, Alagappa University, Karaikudi
Organizing Committee Member	One day workshop cum interaction meet for women employees and students	24 th March 2010	Alagappa University, Karaikudi
Organizing Committee Member	Convergent Technologies in IT	29 th October 2009	Department of Computer Science and Engineering, Alagappa University, Karaikudi

Organizing Secretary	Recent Trends and Challenges in IT	16 th & 17 th Mar 2009	Department of Computer Science and Engineering, Alagappa University, Karaikudi
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Events participated

Number of Conferences/Seminars/Workshops: 21

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

Membership

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
2022 Onwards	Standing Committed 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
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	Kalaingar 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	Program Committee Member
2011 Onwards	IEEE Conferences, Symposiums - Malaysian Chapter	Program Committee Member
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	Member

Ph.D. Thesis Evaluated / Guided

1. No. of Ph.D. Thesis evaluated : 30
2. No. of Ph.D. Public viva voce Examination : 21
conducted

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

List of Research Articles / Recent Publications

S. No.	Authors/Title of the paper/Journal	Impact Factor
1	Jeyabharathy S., Padmapriya Arumugam(2023), Stratified Sampling-Based Deep Learning Approach to Increase Prediction Accuracy of UnbalancedDataset. <i>Electronics</i> 2023, 12,4423. https://doi.org/10.3390/electronics12214423	2.9
2	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	
3	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.	0.68
4	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 .	0.53

5	Mu. Annalakshmi, A.Padmapriya (2020), Evidence Phrase Based Combined Relevance for Web Information Filtering, International Journal on Emerging Technologies 11(4), June 2020, pp.72-77	
6	G. Yogeswari, A.Padmapriya (2019), Recommender System for Nutrient Management Based on Precision Agriculture, International Journal of Recent Technology and Engineering, November 2019, ISSN 2278-3075 (Online), Vol. 8 Issue 4, pp. 227-235	
7	G. Radhika, A.Padmapriya (2019), Novel Framework for Analyzing Air Quality using MatLab, International Journal of Recent Technology and Engineering, September 2019, ISSN 2277-3878 (Online), Vol. 8 Issue 3, pp. 6579-6583	
8	R. Ruba Mangala, A.Padmapriya (2019), Visualizing the impact of climatic changes on Pest and Disease Infestation in Rice (<i>Oryza sativa</i> L.), International Journal of Recent Technology and Engineering, September 2019, ISSN 2277-3878 (Online), Vol. 8 Issue 3, pp. 8413-8421	
9	Mu. Annalakshmi, A.Padmapriya (2019), Personalized medical information filtering using evidence phrases, International Journal of Innovative Technology and Exploring Engineering, August 2019, ISSN 2278-3075 (Online), Vol. 8 Issue 10, pp. 3299-3307	
10	N. Kanagaraj, A.Padmapriya (2019), Symmetric Cryptographic Framework for Network Security, International Journal of Innovative Technology and Exploring Engineering, August 2019, ISSN 2278-3075 (Online), Vol. 8 Issue 10, pp. 3803-3808	
11	R. Ruba Mangala, Dr. A. Padmapriya (2018), Prediction based Agro Advisory System for Crop Protection, Springer – Cham, LNDECT, Vol. 26, ISBN 978-3-030-03145, 212- 213.	
12	L. Sathish Kumar and A. Padmapriya (2018), "Information Extraction and Prediction Using Partial Keyword Combination and Blends Measure", IETE Journal of Research, DOI: 10.1080/03772063.2017.1409666.	1.76
13	Subhasri, P; Padmapriya, A (2017), "Cryptanalysis of Digital Imaging and Communications in Medicine (DICOM) Medical contents Encryption using Modified Vigenere Cipher and Multilevel Encryption", Research Journal of Pharmaceutics, Biological and Chemical Sciences, Sep-Oct. 2017, Volume 8 (Issue 5), Page No. 485-493	
14	N. Kanagaraj, Padmapriya Arumugam (2016), "i-TSS: An Image Encryption Algorithm Based on Transposition, Shuffling and Substitution using Randomly Generated Bitmap image", Published by Springer - verlag, Lecture Notes in Computer Science, Volume 9581 2016, ISSN: 1611-3349, 0302-9743, Book Title : Distributed Computing and Internet Technology, DOI : 10.1007/978-3-319-28034-9. SJR: 0.25.	
15	L. Sathish Kumar, Dr A. Padmapriya (2016), "Evidence based subsequent disease extraction from EMR Health Record by Grade Measure", Proceedings of 2016 Online International Conference on Green Engineering and Technologies, IC-GET 2016	

Resource persons in various capacities

National Conferences	:	12
International Conferences	:	07
Invited Lectures	:	37

Social Involvement

Member-Smile Welfare Foundation, Chennai.

"A positive foundation of change in the field of education for the underprivileged kids"