



Dr. A. PADMAPRIYA
Professor

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ACADEMIC PROFILE

- **Ph. D** - Computer Science & Engineering from Alagappa University, Karaikudi (February 2012) – **Highly Commended**
- **M. Phil** - Computer Science - Mother Teresa Women's University, Kodaikanal (October 2004) – **Highly Commended**
- **M.C.A** - Shrimati Indira Gandhi College, Trichy - Affiliated to Bharathidasan University – (April 2003) – **85.2%**
- **B.Sc.** - Computer Science - Government Arts College for Women, Pudukkottai Affiliated to Bharathidasan University (April 2000) – **84.3%**

EXPERIENCE

Teaching experience : 20 Years
Research Experience : 17 Years

CAREER HISTORY

1. **Professor**, Department of Computer Science, Alagappa University, Karaikudi (from 2018 till date)
2. **Associate Professor**, Department of Computer Science, Alagappa University (2016 to 2018)
3. **Associate Professor**, Department of Computer Science and Engineering, Alagappa University (2015 to 2016)
4. **Assistant Professor**, Department of Computer Science and Engineering, Alagappa University (2004 to 2015)
5. **Guest Lecturer**, Department of Computer Science, Government Arts College for Women, Pudukkottai, (2003 to 2004)

ADDITIONAL RESPONSIBILITIES

- Member – Alagappa University Ranking Cell (AURC) – 2017 onwards
- Member – Anti Ragging Committee, Alagappa University 2016 onwards
- Member – Inspection Committee, Affiliated colleges (CDC), Alagappa University 2016 onwards
- Member – Inspection Committee & BOS Committee, Collaborative programmes (CP), Alagappa University 2016 onwards,
- Coordinator – Data Management Centre, Alagappa University (2020 – 2021)
- Assistant Director, Directorate of Online Programmes, Alagappa University (2018-2020)
- Member – Preparation Committee for IOE, Alagappa University (2017 – 2018)
- Coordinator – Coaching for NET exams, Alagappa University (2016 – 2018)
- Member – Government Service Examination Coaching, Alagappa University (2016 – 2017)
- Member – MCA Interview Selection Panel, Alagappa University (2016 – 2017)
- Member – Web site updation and upgradation committee, Alagappa University (2016 – 2018)
- Campus Coordinator – Science Campus, Oversee the execution of Infrastructure Requirements for NAAC visit (2016)

Research Interest

Information Security, Data Analytics, Communication Networks

RESEARCH SUPERVISION / PROJECT GUIDANCE

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

PUBLICATIONS

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Edited
72	36	--	45	7

SELECTED PUBLICATIONS

1. Sathish Kumar, L., Sathish Kumar, B., **Padmapriya, A.**, & Balakannan, S. P. (2022). THz Design Variable Estimation by Deep Optimization Prior. In Terahertz Devices, Circuits and Systems (pp. 253-265). Springer, Singapore.

2. Subhasri, Prabhakaran, and **Arumugam Padmapriya** (2021) Cryptanalysis for securing DICOM medical contents using multilevel encryption, *International Journal of Biomedical Engineering and Technology* 36.4 (2021): 350-357.
3. Jeyabharathy S., **Padmapriya Arumugam** (2021) Predicting the Decomposition Level of Forest Trees Through Ensembling Methods. In: Bhattacharya M., Kharb L., Chahal D. (eds) *Information, Communication and Computing Technology. ICICCT 2021. Communications in Computer and Information Science*, vol 1417. Springer, Cham. https://doi.org/10.1007/978-3-030-88378-2_20.
4. 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
5. Ren Ling Xiang, **A. Padmapriya**, R. Portia (2020), Application research of Multilayer Encryption algorithm based on data protection in Cloud Computing, *Gongye Jishu Yu Zhiye Jiaoyu*, Vol. 18 No. 1, March 2020, pp. 22-25, *Industrial Technology and Vocational Education*, ISSN 1674-943X, CN 13-1400-TB (Chinese Publication)
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 (*Oryza sativa* 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.
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

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

SEMINARS/WORKSHOPS/CONFERENCES

- 1. Organized in leading role : 22**
- 2. Resource persons in various capacities : 64**
- 3. Participated : 21**

SOCIAL INVOLVEMENT

Member - Smile Welfare Foundation, Chennai.

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