

## PROFILE



Name : **DR. S. M. SAROJA THEERDUS KALAVATHY**  
Designation : Associate Professor  
Department : Mathematics  
Date of Birth : 07.05.1961  
Date of Appointment : 11.10.1985

### CONTACT DETAILS

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### ACADEMIC

S.No.	Degree	University/Institution	Year of completion
1.	B.Sc.	Jayaraj Annapackiam College For Women	1981
2.	M.Sc.	Jayaraj Annapackiam College For Women	1983
3.	B.Ed.	Madurai Kamaraj University	1985
4.	M.Phil.	St. Xavier's College, Palayamkottai	1994
5.	PGDCA	Jayaraj Annapackiam College For Women	1997
6.	Ph.D.	Madurai Kamaraj University	2013

**Total Experience** : 28 years

**Area of Specialization/Interest:** Theoretical Computer Science: Formal Languages

### RESEARCH EXPERIENCE

#### PUBLICATION

**International: Paper entitled,**

- "*Hn Array Splicing*", Bio-inspired Computing: Theories and Application, IEEE Computer Society, IEEE Press, Volume 2 (2010), pp: 1024 – 1028.
- "*Fuzzy Puzzle Grammar and Languages*", Advances in Image Analysis and Applications, Research Publishing House, pp: 85 – 92.

- *“Array P Systems with Hybrid Teams”*, Advances in Intelligent Systems and Computing, Springer, pp: 239 -249.
- *“The impact of Global Financial Crisis On International Markets”* International Journal of Research In Commerce and Management, volume 3 (2012), Issue no. 2 (February), pp:71 – 75.
- *“Double Hexagonal Array Splicing System”*, Bio-inspired Computing:Theories and Application, IEEE Computer Society, IEEE Press, 2011, pp: 176 -181.

**National: Paper entitled,**

- *“A Generative Model For Picture Arrays Based On Test Tube Systems And Array Splicing”*, Computational and Mathematical Modelling, Narosa Publishing House, pp: 398 – 405.
- *“k-context free puzzle grammar and Languages”*, Proceedings of 5<sup>th</sup> Indian International Conference on Artificial Intelligence, 2011, pp: 580 – 589.

**Presentation (Abroad)**

- *“Double Hexagonal Array Splicing System”*, Sixth International Conference on Bio-Inspired Computing: Theories and Application, **University Sains Malaysia, Malaysia**, 27-29 September, 2011.

**Presentations (International in India)**

- Array P Systems with Hybrid Teams, International Conference on Bio Inspired Computing : Theories and Applications 2012 (BICTA 2012), **Atal Bihari Vajpayee Indian Institute of Information Technology and Management, Gwalior**, 14-16, December, 2012.
- Hybrid Context-free Puzzle Grammars, International Conference on “Mathematics in Engineering and Business Management”, **Stella Maris College , Chennai**, 9-10, March 2012.
- A Generative Model For Picture Arrays Based On Test Tube Systems And Array Splicing, International Conference On Mathematical and Computational Models, **P. S. G. College of Technology, Coimbatore**, December 19-21, 2011.
- k-context free puzzle grammar and languages, 5<sup>th</sup> Indian International conference on Artificial Intelligence (IICAI -11) **Siddaganga Institute of Technology, Tumkur, Karnataka**, 14-16, December 2011.