

Dr.G.JAYALALITHA

**Professor, Dept. of Mathematics,
VELS Institute of Science, Technology and
Advanced Studies, Pallavaram, Chennai.**

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EDUCATION

**.[1983 – 1986] Avinashilingam Home Science College Coimbatore
*B.Sc., Mathematics, Physics, & Chemistry***

**[1992] Annamalai University Chidambaram
*M.Sc., Mathematics***

**[2004] Alagappa University Karaikudi
*M.Phil., Mathematics***

24th March 2011 Ph.D in Mathematics

**Title: MATHEMATICAL MODELING
IN BIOLOGY USING FRACTALS**

Sri Chandrasekarendra Saraswathi

**Viswa Mahavidhyalaya,
Deemed University,
Kanchipuram**

DOB 13.12.1965

Total Teaching Experiences- 19 years

PROFESSIONAL EXPERIENCE

- 2003 – 2004 PVP COLLEGE, BATLAGUNDU, DINDIGUL
LECTURER
- 2006 – 2007 M.V.M COLLEGE. DINDIGUL *LECTURER*
- 2007 – 2008 RAMAPRABHA COLLEGE OF ARTS AND
SCIENCE, DINDIGUL *LECTURER*

- 2008 MARCH–MAY2016RVS COLLEGE OF ENGINEERING AND TECHNOLOGY DINDIGUL
 - 1) 2008 March to 2011 March – LECTURER
 - 2) 2011 April to 2011 June – SENIOR LECTURER
 - 3) 2011, June to2014June – ASSISTANT PROFESSOR
 - 4) 2014 June to May 2016 ASSOCIATE ROFESSOR, HOD
- June 2016 to till date - PROFESSOR in VELS INSTITUTE OF SCIENCE, TECHNOLOGY AND ADVANCED STUDIES PALLAVARAM CHENNAI 600117.

TOTAL NO. PUBLICATIONS 178 IN REPUTED JOURNALS

LIST OF PUBLICATION IN JOURNALS

1. **Fractal model for blood flow in cardiovascular system.** Published in **Computers in Biology and Medicine.** 38 (2008) 684 – 693 in ELSEVIER JOURNAL.
2. **Border Detection of Skin Cancer Cells with Fractal Dimension.** Published in **Fractals Journal** Vol.17. No.2 (2009) 171 – 180 © World Scientific Publishing Company.
3. **Fractal Approach to understand PFO & DCS in Sport Divers.** Published in **Fractals Journal**, 18(4) (2010) 499-511.
4. **Fractal Approach to Identify the Grade of Cervical Cancer.** Published in **Fractals Journal**, 19(1) (2011) 125-139.
5. **Complex patterns in Financial Time series through Higuchi's Fractal Dimension.** **Fractals.** Vol. 24. No. 04 (2016) – World Scientific Publishing Company.

6. **The continued fraction interpretation and the Hausdorff dimension on the middle third cantor set.** Vol. 17. No. 22 (2017) 13-17 – International Journal of Pure and Applied Mathematics.
7. **Julia sets as complex polynomial.** Vol. 117. No. 01 (2017) 81-86 -- International Journal of Pure and Applied Mathematics.
8. **Ramsey Numbers in Sierpinski triangle.** Vol. 116. No. 04 (2017) 967-975 -- International Journal of Pure and Applied Mathematics.
9. **Percolation model and Mathematical pattern recognition for tongue in humans.** Vol. 117. No. 6 (2017) 125-138 -- International Journal of Pure and Applied Mathematics.
10. **Energy Renormalization on the D_3 Symmetry Hexagasket via Electrical Network.** Vol. 117. No. 06 (2017) 139-144 -- International Journal of Pure and Applied Mathematics.
11. **Energy restrictions and renormalization on the Heptagon Star fractal using Electrical Network Interpretation.** Vol. 117. No. 20 (2017) 201-208 -- International Journal of Pure and Applied Mathematics.
12. **Prime labeling with Spiral Gaussian integers.** Vol. 117. No. 20 (2017) 209-217 -- International Journal of Pure and Applied Mathematics.
13. **Rook dominance on saw toothed chessboard.** Vol. 117. No. 20 (2017) 229-233 -- International Journal of Pure and Applied Mathematics.
14. **Forecasting the Annual Temperature in India by using Exponential Smoothing.** Vol. 10. No.06 (2018) 972- 976 -- Journal of Advanced Research in Dynamical & Control systems.
15. **Mandlebrot sets as Complex Polynomial.** Vol. 10. No. 06 (2018) 967- 971 -- Journal of Advanced Research in Dynamical & Control systems.
16. **The generalization of Rook number r_2 for fractal chessboard.** Journal of Physics conference series 1000 (2018) 012073.

