# ***PROFILE***

**Name** : **Dr. S. SRIRAM**

**Designation** : Assistant Professor

**Qualification**: M.Sc.,M.Phil.,Ph.D

**Date of Joining**: 19.12.2007

## ***Publications:***

| S No | Title of the Paper with publication details |
|---|---|
| 1. | Sriram, S., Veeramallan., Some Special Analysation on a Pythagorean Triangle which satisfies $\alpha\big((Hypotonuse \times Perimeter) - 4(Area)\big) = (a^2 - b^2)(Perimeter)$ for some particular different values of α, Advances in Mathematics: Scientific Journal, 2020, Vol. 9, No. 5 (Scopus) |
| 2. | Sriram, S., Veeramallan., Some Special Analysation on a Pythagorean Triangle which satisfies $\lambda\big((Hypotonuse \times Perimeter) - 4(Area)\big) = \mu^2(Perimeter)$, Advances and Applications in Mathematical Sciences Volume 20, Issue 8, June 2021, Pages 1475-1483 |
| 3. | Sriram, S., Veeramallan., Solving of trancendental equation $\sqrt{2z-4} = \sqrt{x+\sqrt{C}y} \pm \sqrt{x-\sqrt{C}y}$ by means of the method of continued fraction for the choices of $C = m^2 \pm 4$, Journal of Xi'an University of Architecture & Technology Volume XII, Issue XII, 2020 |
| 4. | Sriram, S., Veeramallan., On the Integer Solution of the Transcendental Equation $\sqrt{2z-4}=\sqrt{x}+\sqrt{Cy} \pm \sqrt{x}-\sqrt{Cy}$, Indian Journal of Advanced Mathematics (IJAM) ISSN: 2582-8932 (Online), Volume-1 Issue-3, April 2022 |
| 5. | Sriram, S., Veeramallan., Some Special Analysation on a Pythagorean Triangle which satisfies $\boldsymbol{\alpha}((\boldsymbol{Hypotonuse}\times\boldsymbol{Perimeter})-\boldsymbol{4}(\boldsymbol{Area}))= \lambda^2(Perimeter)$ for some particular different values of α, Int. J. Math. And Appl., 9(4)(2021), 127-149 ISSN: 2347-1557 |
| 6. | Sriram, S., Veeramallan., ON THE TRANSCENDENTAL EQUATION WITH THREE UNKNOWNS $\sqrt{2z-4} = \sqrt{x+\sqrt{C}y} \pm \sqrt{x-\sqrt{C}y}$ FOR DIFFERENT VALUES OF C BY USING THE CONTINUED FRACTION METHOD, Int. J. Math. And Appl., 10(1)(2022), 51-57, ISSN: 2347-1557 |

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| 7. | Sriram, S., Kavithanandhi, S., FELICITOUS LABELINGS OF GRAPHS RELATED WITH STAR MERGED WITH SHELL GRAPH, Advances and Applications in Mathematical Sciences, Volume 21, Issue 8, June 2022, 4523-4531 |
| 8. | Sriram, S., Kavithanandhi, S., On the Non Homogeneous Heptic Diophantine Equation $(x^2-y^2)(11x^2+11y^2-20xy)=25(X^2-Y^2)Z^5$ , International Journal of Latest trends in Engineering and Technology, Volume 16, Issue 1, pp. 001-007. |
| 9. | Sriram, S., Kavithanandhi, S., On the Non Homogeneous Heptic Diophantine Equation $(5x^2-8xy+5y^2)=26Z^7$ , Strad Research, Volume 7, Issue 6, 2020, pp. 375-379. |
| 10. | Sriram, S., Veeramallan., On the Fermat Quartic Equation $544x^4+y^4=z^4$ , *Quest Journals Journal of Research in Applied Mathematics Volume 8 ~ Issue 3 (2022) pp: 07-09 ISSN(Online) : 2394-0743 ISSN (Print): 2394-0735* |
| 11. | Sriram, S., Veeramallan., Positive Integer Solutions of Some Pell Equations via Generalized Bi-Periodic Fibonacci and Generalized Bi-Periodic Lucas Sequences, International Journal of Science and Research (IJSR), Volume 11 Issue 8, August 2022, 1050- 1053.<br>ISSN: ISSN: 2319-7064 |
| 12. | Sriram, S., Veeramallan., POSITIVE INTEGER SOLUTIONS OF PELL EQUATIONS $x^2-Cy^2=\pm 1$ VIA GENERALIZED BI-PERIODIC FIBONACCI AND LUCAS SEQUENCES FOR THE CHOICES OF $C=m^2\pm 4$, BULLETIN OF MATHEMATICS AND STATISTICS RESEARCH (BOMSR), Vol.10.Issue.4.2022 (Oct-Dec), ISSN: 2348-0580 |
| 13. | Sriram, S., Veeramallan., GENERALIZED BI-PERIODIC BALANCING NUMBERS, Advances and Applications in Mathematical Sciences Volume 21, Issue 8, June 2022, Pages 4515-4522 |
| 14. | Sriram, S., Veeramallan., A NOTE ON PYTHAGOREAN TRIPLES AND GENERALIZED RECURSIVE SEQUENCES, Stochastic Modeling & Applications, Vol. 26 No. 3 (January – June, Special Issue 2022 Part - 8) ISSN: 0972-3641 |
| 15. | Sriram, S., Veeramallan., A NOTE ON NEO BALANCING SEQUENCE, GENERALIZED RECURSIVE SEQUENCES AND PYTHAGOREAN TRIPLES, IJMCR (International Journal of Mathematics and Computer Research), Volume 10, Issue 08, August 2022, Page no. – 2852-2854 |
| 16. | Sriram, S., Veeramallan., David Christopher, A., A Generalised Coprime Graph-Revisited, International Journal of Applied Graph Theory, Vol. 7, No. 1 (2023), 01 - 10. *ISSN*(*Online*) : 2456 – 7884 |
| 17. | Sriram, S., Veeramallan., On the Integer solutions of the Diophantine Equations<br>$x^2-(a^2b^2+b)y^2-(4c+2)x+4(a^2b^2+b)y-4(a^2b^2+b-c^2-c)=0$,<br>IJPRSE, VOL.3, NO.11, NOVEMBER 2022 |

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| 18. | Sriram, S., & Kavithanandhi, S., MOTIF ON $(x^2-y^2)(Ax^2+Ay^2-(2A-2)xy)=(2A+3)(X^2-Y^2)Z^5$, Advances and Applications in Mathematical Sciences, Volume 20, Issue 8, June 2021, pp. 1485-1492. |

***Conference / Workshops attended:***

| S.No: | Name of the institution | Title | Date |
|---|---|---|---|
| 1. | National College (Autonomous), Trichy. | Training Programme on LATEX | September 23-27 2013. |
| 2. | Two day State Level Workshop, National College (Autonomous), Trichy. | LATEX – Typesetting Tool | September 14th & 15th 2015. |
| 3. | National College (Autonomous), Trichy. | Workshop on Real Analysis. | 22nd February 2019. |

***Seminars attended:***

| S.No: | Name of the institution | Title | Date |
|---|---|---|---|
| 1. | National College (Autonomous), Trichy. | Workshop on Real Analysis. | 22nd February 2019. |
| 2. | National College (Autonomous), Trichy. | Seminar on Pure and Applied Mathematics. | 21st February 2020. |

## ***Teaching Experience:***

### *TEACHING*

- **Assistant professor of Mathematics (AP)** **19.12.2007 – Till date**
  **National College, Trichy**
- **Assistant Professor of Mathematics** **15.06.2000 – 15.12.2007**
  **Saranathan College of Engineering, Trichy**

## ***Research*:**

- Ph.D Guided : 1 (Ongoing- 2)
- M.Phil Guided : 15