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LIST OF PUBLICATIONS (LAST FIVE YEARS)

1. R. Sivaraman, "**Emulating Elliptic Curves**", Journal of Interdisciplinary Cycle Research, Volume XII, Issue I, January 2020, pp. 1502 – 1508.

2. R. Sivaraman, "**Smooth Numbers**", Journal of Interdisciplinary Cycle Research, Volume XII, Issue II, February 2020, pp. 1071 – 1077.

3. R. Sivaraman, "**An Interesting Combinatorial Problem**", The International Journal of Analytical and Experimental Modal Analysis, Volume III, Issue III, March 2020, pp. 811 – 817.

4. R. Sivaraman, "**Investigating Irrationals**", Parishodh Journal (UCG CARE Group I Journal), Volume IX, Issue III, March 2020, pp. 2034 – 2038.

5. R. Sivaraman, "**Catalan Numbers and Competition between Two Teams**", Alochana Chakra Journal (UGC CARE Group I Journal), Volume IX, Issue IV, April 2020, pp. 115 – 122.

6. R. Sivaraman, "**Summing Through Integrals**", Science Technology and Development, Volume IX, Issue IV, April 2020, pp. 267 – 272.

7. R. Sivaraman, "**Sum of powers of natural numbers**", AUT AUT Research Journal, Volume XI, Issue IV, April 2020, pp. 353 – 359.

8. R. Sivaraman, "**Generalized Lucas, Fibonacci Sequences and Matrices**", Purakala UGC CARE Group I Journal, Volume 31, Issue 18, April 2020, pp. 509 – 515.

9. R. Sivaraman, "**Curious Fact about Figurate Numbers**", CLIO UGC CARE Group I Journal, Volume 6, Issue 6, April 2020, pp. 541 – 546.

10. R. Sivaraman, "**Thriving Towards Transcendental Numbers**", International Journal of Advanced Science and Technology (IJAST – **Scopus Indexed Journal**), Volume 29, No. 8s, (2020), pp. 2126 – 2131.

11. R. Sivaraman, "**Understanding Ramanujan Summation**", International Journal of Advanced Science and Technology (IJAST – **Scopus Indexed Journal**), Volume 29, No. 7, (2020), pp. 1472 – 1485.

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13. R. Sivaraman, "**Two Interesting Results about Catalan Numbers**", Journal of Scientific Computing, Volume 9, Issue 5, (2020), pp. 57 – 61.

14. R. Sivaraman, "**Application of Queues to Allocation of Hospital Beds**", Indian Journal of Natural Sciences (Web of Science), Volume 10, Issue 60, June 2020, pp. 20876 – 20871.

15. R. Sivaraman, "**Three Interesting Sequences**", International Journal of Advanced Science and Technology (IJAST – **Scopus Indexed Journal**), Volume 29, No. 7s, (2020), pp. 4630 –4635.

16. R. Sivaraman, "**Exploring Metallic Ratios**", Mathematics and Statistics, Horizon Research Publications, (Scopus Indexed Journal), Volume 8, Issue 4, (2020), pp. 388 – 391.

17. R. Sivaraman, "**Bernoulli Polynomials and Riemann Zeta Function**", Journal of CRITICAL REVIEWS, (Scopus Indexed Journal),Volume 7, Issue 17, (2020), pp. 1253 – 1260.

18. R. Sivaraman, "**Number Tree and its Applications**", AUT AUT Research Journal, Volume XI, Issue VII, July 2020, pp. 79 – 85.

19. R. Sivaraman, "**Summing Through Triangle**", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) (Scopus Indexed), Volume 10, Issue 3, June 2020, pp. 3073 – 3080.

20. R. Sivaraman, "**Markov Process and Decision Analysis**", Journal of Mechanics of Continua and Mathematical Sciences, Volume 15, No. 7, July 2020, pp. 9 – 16.

21. R. Sivaraman, "**Behaviour of Generalized Narayana Sequences**", Journal of Advanced Research in Dynamical and Control Systems, (Scopus Indexed Journal), Volume 12, No. 7 –Special Issue, 2020, pp. 2558 – 2564.

22. R. Sivaraman, "**Bernoulli Polynomials and Faulhaber Triangle**", Strad Research (Web of Science), Volume 7, Issue 8, (2020), pp. 186 – 194.

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24. R. Sivaraman, "**Catalan's Triangle and Cayley Numbers**", AUT AUT Research Journal,Volume XI, Issue VIII, August 2020, pp. 8 – 12.

25. R. Sivaraman, "**Generalized Narayana Sequences and Quadratic Sequences**", Advances in Mathematics: Scientific Journal, (Scopus Indexed Journal), Volume 9 (2020), no.7, pp. 5143 –5149.

26. R. Sivaraman, "**Properties of Bernoulli Polynomials**", J. Math. Comput. Sci. (Scopus Indexed Journal), 10 (2020), No. 5, pp. 2025-2032.

27. R. Sivaraman, "**Odd Powers of Triangular Numbers**", Indian Journal of Natural Sciences (Web of Science), Volume 10, Issue 61, August 2020, pp. 27507 – 27511.

28. R. Sivaraman, "**Generalized Narayana sequences and Figurate Numbers**", Advances in Mathematics: Scientific Journal, (Scopus Indexed Journal), Volume 9 (2020), no.10, pp. 7977 –7984.

29. R. Sivaraman,"**Relations between Sums of Powers of Natural Numbers**", Advances in Mathematics: Scientific Journal, (Scopus Indexed Journal), Volume 9 (2020), no.10, pp. 8009 –8015.

30. R. Sivaraman, "**Determining Day of Given Date Mathematically**", Mathematics and Statistics, (Scopus Indexed Journal), Volume 8, Issue 5, pp. 590 – 595, 2020.

31. R. Sivaraman, "**Mathematical Modeling of Shared Transportation Problem**", Indian Journal of Natural Sciences (Web of Science), Volume 10, Issue 62, October 2020, pp. 27776 –27779.

32. R. Sivaraman, "**Stirling's Numbers and Harmonic Numbers**", Indian Journal of Natural Sciences (Web of Science), Volume 10, Issue 62, October 2020, pp. 27844 – 27847.

33. R. Sivaraman, "**Faulhaber Polynomials**", J. Math. Comput. Sci. (Scopus Indexed Journal), 10 (2020), No. 6, pp. 2846 – 2852.

34. R. Sivaraman, Stirling's Numbers and Polynomials, Bulletin of Mathematics and Statistics Research, Vol 8, Issue 4, 2020, pp. 14 – 19.

35. R. Sivaraman, **Equivalence Relations and Bell Numbers**, International Journal of Psychosocial Rehabilitation, Vol 24, Issue 04, 2020, pp. 10639 – 10647.

36. R. Sivaraman, **Mathematics of Human Capital Models**, Journal of the Maharaja Sayajirao University of Baroda, UGC CARE Group I Journal, Volume 54, N0. 2 (VII), 2020, pp. 154 –156.

37. R. Sivaraman, Mathematical Modeling of Recovery Curves, African Journal of Mathematics and Statistics Studies, Volume 3, Issue 5, 2020, pp. 38 – 41.

38. R. Sivaraman, Bernoulli Polynomials and Ramanujan Summation paper presented in International Conference on Mathematical Modeling and Computational Science (ICMMCS) held during August 14, 15 2020. Got best paper award for this paper and the paper will be published in Springer Journal in upcoming months. (Attaching the best paper award certificate as Proof).