

List of Publications of A. Sankaranarayanan

1. "An identity involving Riemann Zeta-function, Indian J. Pure Appl. Math., **18** (1987), 794-800. (ISSN No : 0019-5588, Web SJ, Scopus IJ).
2. (with K. Ramachandra) "A remark on $\zeta(2n)$ ", Indian J. Pure Appl. Math., **18** (1987), 891-895. (ISSN No : 0019-5588, Web SJ, Scopus IJ).
3. (with S.D. Adhikari and R. Balasubramanian) "On an error term related to the greatest divisor of n , which is prime to k ", Indian J. Pure Appl. Math., **19** (1988), 830-841. (ISSN No : 0019-5588, Web SJ, Scopus IJ).
4. (with K. Ramachandra) "Omega-theorems for the Hurwitz Zeta-function", Arch. Math., **53** (1989), 469-481. (ISSN No : 0003-889x, Web SJ, Scopus IJ).
5. (with K. Ramachandra) "Note on a paper by H.L. Montgomery-I", Publ. Inst. Math., **50** (64) (1991), 51-59. (ISSN No : 0350-1302, Web SJ, Scopus IJ).
- 6*. (with K. Ramachandra) "Note on a paper by H.L. Montgomery-II", Acta Arith., **58** (1991), 299-308. (ISSN No : 0065-1036, Web SJ, Scopus IJ).
7. (with R. Balasubramanian and K. Ramachandra) "Titchmarsh's phenomenon for $\zeta(s)$ -VIII", Proc. Indian Acad. Sci., (math. Sci.), **102** (1992) 1-12. (ISSN No : 0253-4142, Web SJ, Scopus IJ).
8. (with S.D. Adhikari) "On an error term related to the Jordan Totient function $J_k(n)$ ", J. Number Theory, **34** (1990), 178-188. (ISSN No : 0022-314x, Web SJ, Scopus IJ).

- 9*. (with S.D. Adhikari and R. Balasubramanian) "On an error term related to $r_4(n)$ ", Hardy-Ramanujan J., **12** (1989), 20-30.
- 10*. (with K. Ramachandra) "Notes on the Riemann Zeta-function", J. Indian Math. Soc., **57** (1991), 67-77. (ISSN No : 0019-5839, Scopus IJ).
11. (with K. Ramachandra) "On some theorems of Littlewood and Selberg-I", J. Number Theory, **44** (1993), 281-291. (ISSN No : 0022-314x, Web SJ, Scopus IJ).
12. (with K. Ramachandra) "On some theorems of Littlewood and Selberg-II", Annales Acad. Sci. Fennicae, Ser. Al Mathematica, **16** (1991), 131-137. (ISSN No : 1239-629x, Web SJ, Scopus IJ).
- 13*. (with K. Ramachandra) "On some theorems of Littlewood and Selberg-III", Annales Acad. Sci. Fennicae, Ser. Al Mathematica, **16** (1991), 139-149. (ISSN No : 1239-629x, Web SJ, Scopus IJ).
14. (with K. Ramachandra) "Vinogradov's three prime theorem", Math. Student, **66** (1997), 27-72. (ISSN No : 0025-5742, UGC-CARE).
15. "On the sign changes in the remainder term of an asymptotic formula for the number of square-free numbers", Arch. Math., **60** (1993), 51-57. (ISSN No : 0003-889x, Web SJ, Scopus IJ).
16. (with K. Srinivas) "Mean-value theorem of the Riemann Zeta-function over shorter intervals", J. Number Theory, **45** (1993), 320-326. (ISSN No : 0022-314x, Web SJ, Scopus IJ).
17. (with K. Srinivas) "On the papers of Ramachandra and Katai", Acta Arith., **62** (1992), 373-382. (ISSN No : 0065-1036, Web SJ, Scopus IJ).

18. (with K. Srinivas) ” *On a method of Ramachandra and Balasubramanian (On the abelian group problem)*”, Rend. Sem. Mat. Univ. Padova, **97** (1997), 135-161.
19. (with K. Ramachandra) ” *On the zeros of a class of generalised Dirichlet series-XVI*”, Math. Scan., **75** (1994), 178-184. (ISSN No : 0025-5521, Web SJ, Scopus IJ).
- 20*. ” *Zeros of quadratic Zeta-functions on the critical line*”, Acta Arith., **69** (1995), 21-38. (ISSN No : 0065-1036, Web SJ, Scopus IJ).
21. (with K. Ramachandra) ” *A remark on Vinogradov’s mean-value theorem*”, J. Analysis., **3** (1995), 111-129..
22. (with K. Ramachandra) ” *On some theorems of Littlewood and Selberg-IV*”, Acta Arith., **70** (1995), 79-84. (ISSN No : 0065-1036, Web SJ, Scopus IJ).
23. (with K. Ramachandra and K. Srinivas) ” *Ramanujan’s lattice point problem, prime number theory and other remarks*”, Hardy-Ramanujan J., **19** (1996), 2-56.
24. (with K. Ramachandra and K. Srinivas) ” *Addendum to Ramachandra’s paper, ‘Some problems of Analytic Number Theory-I’*”, Acta Arith., **73** (1995), 367-371 . (ISSN No : 0065-1036, Web SJ, Scopus IJ).
25. (with K. Ramachandra) ” *Hardy’s theorem for zeta-functions of quadratic forms.*”, Proc. Indian Acad. Sci. (Math. Sci.), **106** (1996), 217-226. (ISSN No : 0253-4142, Web SJ, Scopus IJ).
26. (with K. Ramachandra and K. Srinivas) ” *Problems and results on $\alpha p - \beta q$* ”, Acta Arith., **75** (1995), 119-131. (ISSN No : 0065-1036, Web SJ, Scopus IJ).

27. (with R. Balasubramanian and K. Ramachandra) ” *On the zeros of a class of generalised Dirichlet series-XVIII*” ,Hardy-Ramanujan J.,**20** (1997), 12-28.
28. ” *On a divisor problem related to the Epstein Zeta- function*” , Arch.Math.,**65** (1995), 303-309. (ISSN No : 0003-889x, Web SJ, Scopus IJ).
29. ” *Goldbach problem in polynomial values*” , Rend. Circ. Mat. Palermo ., **48** (1999), 243-256. (ISSN No : 0009-725x, Web SJ, Scopus IJ).
30. (with K. Ramachandra) ” *Notes on the Riemann zeta-function - II*” , Acta Arith., **91** (1999), 351-365. (ISSN No : 0065-1036, Web SJ, Scopus IJ).
- 31*. (with M. Ram Murty) ” *Averages of exponential twists of the Liouville function* ” , Forum Math., **14** (2002), 273-291. (ISSN No : 1435-5337, Web SJ, Scopus IJ).
32. (with R. Balasubramanian , K. Ramachandra and K.Srinivas) ” *Notes on the Riemann zeta-function - III*” , Hardy-Ramanujan J., **22** (1999), 23-33.
33. (with R. Balasubramanian, K. Ramachandra and K. Srinivas) ” *Notes on the Riemann zeta-function - IV*” , Hardy-Ramanujan J., **22** (1999), 34-41.
34. (with R. Balasubramanian, K. Ramachandra and K. Srinivas) ” *Notes on the Riemann zeta-function - V*” , Hardy-Ramanujan J., **23** (2000), 2-9.
35. (with S. Kanemitsu) ” *A general divisor problem in Landau’s framework*” , Proc. Analytic number theory, Ed.by C. Jia and K. Matsumoto, Kluwer Academic Publishers, Netherland, (2002), 205-221.

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- 37*. "Fundamental properties of symmetric square L-functions"-I, *Illinois J. Math.*, **46** (2002), 23-43.
38. "Fundamental properties of symmetric square L-functions"-II, *Functiones et Approximatio.*, **30** (2002), 89-115. (ISSN No : 0208-6573, Web SJ, Scopus IJ).
- 39*. (with K. Ramachandra) "On an asymptotic formula of Srinivasa Ramanujan" , *Acta Arith.*, **109** (2003), 349-357. (ISSN No : 0065-1036, Web SJ, Scopus IJ).
- 40*. "On Hecke L- functions associated with cusp forms", *Acta Arith.*, **108** (2003), 217-234. (ISSN No : 0065-1036, Web SJ, Scopus IJ).
41. "Mean-square upper bound of Hecke L- functions on the critical line", *Hardy-Ramanujan J.*, **26** (2003), 2-17.
42. (with F. Luca) "The distribution of integers n divisible by $l^{\omega(n)}$ ", *Publications de L'Institut Mathématique., Nouvelle série*, **76 (90)** (2004), 89-99. (ISSN No : 0350-1302, Web SJ, Scopus IJ).
43. (with J.M. De Koninck and F. Luca) "Positive integers n whose Euler function is a power of their kernel function", *Rocky Mountain J. Math.*, **36** (2006), 81-96. (ISSN No : 0035-7596, Web SJ).
44. (with K. Ramachandra and K. Srinivas) "Notes on prime number theorem-II", *J Indian Math.Soc.*, **72** (2005), 13-18. (ISSN No : 0019-5839, Scopus IJ).

- 45*. (with H. Maier) ” *On the error term of an asymptotic formula of Ramanujan*”, Acta Arith., **117** (2005), 171-180. (ISSN No : 0065-1036, Web SJ, Scopus IJ).
- 46*. (with H. Maier) ” *On a certain general exponential sum*”, Int.Journal of Number Theory., **1** (2005), 183-192. (ISSN No : 1793-0421, Web SJ, Scopus IJ).
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48. (with W. Kohnen and J. Sengupta) ” *The quadratic mean of automorphic L-functions*”, Proc. of the Conference in memory of Tsuneo Arakawa (Automorphic forms and zeta functions), ed.by S.Böcherer et al, World Scientific Publishing Co.Pte Ltd, (2005), 262-279.
- 49*. (with M.Z. Garaev) ” *The sum involving derivative of $\zeta(s)$ over simple zeros*”, J. Number Theory., **117** (2006), 122-130. (ISSN No : 0022-314x, Web SJ, Scopus IJ).
- 50*. ” *On Hecke L-functions associated with cusp forms-II (On the sign changes of $S_f(T)$)*”, Annales Acad. Sci. Fennicae, Ser. Al Mathematica, **31** (2006), 213-238. (ISSN No : 1239-629x, Web SJ, Scopus IJ).
- 51*. (with K. Matsumoto) ” *On the mean square of standard L-functions attached to Ikeda lifts*”, Math.Z., **253** (2006), 607-622. (ISSN No : 0025-5874, Web SJ).
- 52*. (with F. Luca) ” *On the moments of the Carmichael λ -function*”, Acta Arith., **123** (2006), 389-398. (ISSN No : 0065-1036, Web SJ, Scopus IJ).
- 53*. ” *On a sum involving Fourier coefficients of cusp forms*”, Liet. matem. rink., **46** (2006), 565-583 ; Lithuanian Math. J., **46** (2006), 459-474. (ISSN No : 0363-1672, Web SJ).

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- 55*. (with J. Sengupta) ” *Zero-density estimate of L-functions attached to Maass forms*”, *Acta Arith.*, **127** (2007), 273-284. (ISSN No : 0065-1036, Web SJ, Scopus IJ).
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70. (with Aeran Kim and Daeyeoul Kim) "On the convolution sums of certain restricted divisor functions", Honam Math.J., **35** (2013), No: 2, 251-302. (ISSN No : 1225-293x, Web SJ, Scopus IJ).

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- 85*. (with Saurabh Kumar Singh and K. Srinivas) *Discrete mean square estimates for coefficients of symmetric power L-functions*, Acta Arith., **190** (2019), 193-208. (ISSN No : 0065-1036, Web SJ, Scopus IJ).
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- 88*. (with Biplab Paul) *On the error term and zeros of the Dedekind zeta function*, J. Number Theory., **215** (2020), 98-119.(ISSN No : 0022-314x, Web SJ, Scopus IJ).

89. (with Karthick G. Babu) *On an estimate of a certain non-linear exponential sum*, Indian J. Pure Appl.Math., **53**, (2022), 1-9. (ISSN No : 0019-5588, Web SJ, Scopus IJ) (accepted in March 2021).
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- 91*. (with Anubhav Sharma) *Higher moments of the Fourier coefficients of symmetric square L-functions on certain sequence*, Rendiconti del Circolo Matematico di Palermo Series 2., (), (ISSN No : 0009-725x, Web SJ, Scopus IJ) (accepted in February 2022, published online on April 12, 2022).
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- 92*. (with Amrinder Kaur) *GodementJacquet L- function, some conjectures and some consequences*, Hardy-Ramanujan J., (accepted on April 10, 2022, to appear), (ISSN No : 2804-7370).