ISI Papers

Papers published in
journals covered by the

SCIENCE CITATION INDEX EXPANDED

6. Series associated to some expressions involving the volume of the unit ball and applications
Applied Mathematics
and Computation, (2016), in press.

5. New approximations of some expressions involving trigonometric functions (with Marija Nenezi and Branko Malesevi)

Applied Mathematics and Computation, 283 (2016), 299-315.

4. Monotonicity properties related to some gamma function estimates (with Yue Hu and Sorinel Dumitrescu)

U.P.B. Scientific Bulletin, Series A, 78 (2016), no. 1, 195-204.

3. On some mean value points defined by divided differences and their Hyers-Ulam stability (with Mihai Monea and Dan Stefan Marinescu)

Results in Mathematics, (2016), in press.

2. Some new approximations of Glaisher-Kinkelin's and Benderski-Adamchik's constants by continued fractions (with Dawei Lu and Lixin Song)

Journal of Number Theory, 163 (2016), 434-448.

1. The stability of some points arising from continuous, differential and integral expressions (with M. Monea and D. S. Marinescu)

Monatshefte fur Mathematik, 180 (2016), no. 1, 101-122.

100. Some inequalities for the trigamma function in terms of the digamma function (with Feng Qi)

Applied Mathematics and Computation, 271 (2015), 502-511.

99. The Hyers-Ulam stability of a general functional equation and its applications

Mathematical Analysis, Approximation Theory and Their Applications (Springer Series), (2015), in press.

98. Estimates of the function and quotient by Minc-Sathre

Applied Mathematics and Computation, 253 (2015), 52-60.

97. Asymptotic formulas and inequalities for the gamma function in terms of the tri-gamma function (with Feng Qi)

Results in Mathematics, 67 (2015), no. 3-4, 395-402.

96. Some best approximation formulas and inequalities for Wallis ratio (with Feng Qi)

Applied Mathematics and Computation, 253 (2015), 363-368.

95. On a functional equation of trigonometric type (with Soon-Mo Jung and Michael Th. Rassias)

Applied Mathematics and Computation, 252 (2015), 294-303.

94. A product approximation of the gamma function (with Hari M. Srivastava)

Numerical Algorithms, 69 (2015), no. 3, 595-610.

93. Refinements of Jordan-Steckin and Becker-Stark inequalities (with Lokenath Debnath and Ling Zhu)

Results in Mathematics, 67 (2015), no. 1-2, 207-215.

92. A new fast asymptotic series to Gamma function

Ramanujan Journal, 38 (2015), no. 3, 549-559.

91. Estimates of (1+x)^{1/x} involved in Carleman's inequality and Keller's limit (with Xiaojing Yang)

Filomat, 29 (2015), no. 7, 1535-1539.

90. Optimizing the convergence rate of the Wallis sequences

Hacettepe Journal of Mathematics and Statistics, 44 (2015), no. 1, 101-109.

89. Stability of fixed points of continuous operators on complete metric spaces (with Soon-Mo Jung and Michael Th. Rassias)

Aequationes Mathematicae (2015), in press.

88. On some convergences to the constant e and improvements of Carleman’s inequality (with Yue Hu)

Carpathian Journal of Mathematics, 31 (2015), no. 2, 249-254.

87. On the growth rate of divergent series (with Michael T. Rassias)

Journal of Number Theory, 147 (2015), 499-507.

86. The inhomogeneous Euler equation and its Hyers-Ulam stability (with Themistocles M. Rassias and Soon-Mo Jung)

Applied Mathematics Letters, 40 (2015), 23-28.

85. On the Ramanujan-Lodge harmonic number expansion (with Mark B. Villarino)

Applied Mathematics and Computation, 251 (2015), 423-430.

84. Sharp bounds for gamma function in terms of x^{x-1}

Applied Mathematics and Computation, 249 (2014), 278-285.

83. Estimates for the arctangent function related to Shafer’s inequality (with Hari M. Srivastava)

Colloquium Mathematicum, 136 (2014), no. 2, 263-270.

82. Sharp inequalities related to the constant e (with Yue Hu)

Journal of Inequalities and Applications (2014), 2014:382.

81. On the Hyers-Ulam stability of phi(x) + ax +b = 0 and its applications (with Themistocles M. Rassias and Soon-Mo Jung)

Ciencia e Tecnica, 29 (2014), no. 8, 285-294.

80. A lower bound on the sinc function and its application (with Yue Hu)

The Scientific World Journal (2014), Article ID 571218.

79. Some new quicker approximations of Glaisher-Kinkelin's and Bendersky-Adamchik's constants (with Dawei Lu)

Journal of Number Theory 144 (2014), 340-352.

78. On the stability of a functional equation associated with the Fibonacci numbers (with Michael Th. Rassias and Soon-Mo Jung)

Abstract and Applied Analysis (2014), Article ID

546046.

77. Completely monotonic functions and inequalities associated to some ratio of gamma function (with Dawei Lu and Valentin Gabriel Cristea)

Applied Mathematics and Computation, 240 (2014), 168-174.

76. A subtly analysis of Wilker inequality

Applied Mathematics and Computation, 231 (2014), 516-520.

75. Mathematical model of solidification process in steel continuous casting taking into account the convective heat transfer at liquid-solid interface (with V. Bratu, C. Oros and N. Ghiban)

Computational Material Science, 94 (2014), 2-7.

74. On the harmonic number expansion by Ramanujan (with Chao-Ping Chen)

Journal of Inequalities and Applications, (2013), 2013:222.

73. Approximating the constants of Glaisher-Kinkelin type

Journal of Number Theory, 133 (2013), no. 8, 2465-2469.

72. Limits and inequalities associated with the psi function (with Chao-Ping Chen)

Applied Mathematics and Computation, 219 (2013), no. 18, 9755-9761.

71. A continued fraction approximation of the gamma function

Journal of Mathematical Analysis and Applications, 402 (2013), no. 2, 405-410.

70. Further improvements of some double inequalities for bounding the gamma function

Mathematical and Computer Modelling, 57 (2013), no. 5-6, 1360-1363.

69. Gamma function by x^(x-1)

Carpathian Journal of Mathematics, 29 (2013), no. 1, 41-46.

68. New sharp estimates of the generalized Euler-Mascheroni constant (with Vasile Berinde)

Mathematical Inequalities and Applications, 16 (2013), no. 1, 279-288.

67. Estimating pi from the Wallis sequence

Mathematical Communications, 17 (2012), 489-495.

66. Gamma function estimates via completely monotonicity arguments

Carpathian Journal of Mathematics, 28 (2012), no. 1, 93-102.

65. Completely monotone functions and the Wallis ratio

Applied Mathematics Letters, 25 (2012), no. 4, 717-722.

64. Sharpness of Muqattash-Yahdi problem (with Chao-Ping Chen)

Computational and Applied Mathematics, 31 (2012), no. 1, 85-93.

63. The best rational remainders in the Stirling formula

Integral Transforms and Special Functions, 23 (2012), no. 1, 13-19.

62. A power series approach to some inequalities

American Mathematical Monthly, 118 (2012), 147-151.

61. An improvement of the Ramanujan formula for approximation of the Euler Gamma function

Carpathian Journal of Mathematics, 28 (2012), no. 2, 285-287.

60. Some completely monotonic functions relating to the gamma function

Integral Transforms and Special Functions, 23 (2012), no. 7, 473-479.

59. Estimating the Apery's constant

Journal of Computational Analysis and Applications, 14 (2012), no. 2, 278-282.

58. New sequence converging towards the Euler-Mascheroni constant (with Chao-Ping Chen)

Computers and Mathematics with Applications, 64 (2012), no. 4, 391-398.

57. Error estimates of Ramanujan-type series

Ramanujan Journal, 27 (2012), no. no. 2, 169-179.

56. Sharp form of inequality for the constant e (with Chao-Ping Chen)
Carpathian Journal of Mathematics, 27 (2011), no. 2, 185-191.

55. The quotient of gamma functions by the psi function

Computational and Applied Mathematics, 30 (2011), no. 3, 627-638.

54. Refinements of Gurland's formula for pi

Computers and Mathematics with Applications, 62 (2011), no. 6, 2616-2620. 53. Improved asymptotic formulas for the gamma function

Computers and Mathematics with Applications, 61 (2011), no. 11, 3364-3369. 52. On Ramanujan's large argument formula for the gamma function

Ramanujan Journal, 26 (2011), no. 2, 185-192. 51. On a sum of psi function with logarithm

Hacettepe Journal of Mathematics and Statistics, 40 (2011), no. 6, 775-780. 50. The quotient of gamma functions by the psi function

Computational and Applied Mathematics, 30 (2011), no. 3, 627-638. 49. A substantial improvement of the Stirling formula

Applied Mathematics Letters, 24 (2011), no. 8, 1351-1354.
48. On the monotonicity and convexity of the remainder of the Stirling formula

Applied Mathematics Letters, 24 (2011), no. 6, 869-871.

47. Refinements of some bounds related to the constant e

Miskolc Mathematical Notes, 12 (2011), no. 1, 105-111.

46. Ramanujan's estimate for the gamma function via monotonicity arguments

Ramanujan Journal, 25 (2011), no. 2, 149-154.

45. On Gospers formula for the gamma function

Journal of Mathematical Inequalities, 5 (2011), no. 4, 611-614.

44. A new Stirling series as continued fraction

Numerical Algorithms, 56 (2011), no. 1, 17-26

43. Accurate approximations of the Mathieu series

Mathematical and Computer Modelling, 53 (2011), no. 5-6, 909-914

42. Sharp bounds of the Landau constants

Mathematics of Computation, 80 (2011), 1011-1018

41. The natural approach of Wilker-Cusa-Huygens inequalities

Mathematical Inequalities and Applications, 14 (2011), no. 3, 535-541

40. New sharp bounds for gamma and digamma functions

Analele ^tiincifice ale Univ. A. I. Cuza Ia i, 57 (2011), no. 1, 57-60.

39. Accurate estimates of the gamma function involving the psi function

Numerical Functional Analysis and Optimization, 32 (2011), no. 4, 469-476.

38. A new refinement of the Radon inequality

Mathematical Communications, 16 (2011), no. 2,
319-324.

37. Sharp inequalities and complete monotonicity for the
Wallis ratio

Bulletin of the Belgian Mathematical Society Simon Stevin, 17 (2010), 929-936.

36. Estimating the Somos' quadratic recurrence constant

Journal of Number Theory, 130 (2010), no. 12, 2650-2657.

35. Remarks on complementary sequences

Fibonacci Quarterly, 48 (2010), no. 4,
343-347.

34. Product approximations via asymptotic integration

American Mathematical Monthly, 117 (2010), no. 5,
434-441.

33. Fast convergences toward Euler-Mascheroni constant

Computational and Applied Mathematics, 29 (2010), no. 3,
479-491.

32. A new method for establishing and proving new bounds
for the Wallis ratio

Mathematical Inequalities and Applications, 13 (2010), no. 4,
803-815.

31. New sharp inequalities for approximating the
factorial function and the digamma function

Miskolc Mathematical Notes, 11 (2010), no. 1,
79-86.

30. Asymptotic expansions of the generalized Stirling
approximation

Mathematical and Computer Modelling, 52 (2010),
no. 9-10, 1867-1868.

29. Estimating gamma function in terms of digamma
function

Mathematical and Computer Modelling, 52 (2010),
no. 5-6, 942-946.

28. New approximation formulas for evaluating the ratio
of gamma functions

Mathematical and Computer Modelling, 52 (2010), no. 1-2, 425-433.

27. The proof of Muqattash-Yahdi conjecture

Mathematical and Computer Modelling, 51 (2010), no. 9-10,
1154-1159.

26. On the Stirling expansion into negative powers of a triangular numbers

Mathematical Communications, 15 (2010), no. 2, 359-364.

25. Monotonicity properties of the volume of the unit ball in Rn

Optimization Letters, 4 (2010), no. 3, 457-464.

24. Sharp inequalities related to Gosper's formula

Comptes Rendus Mathematique, 348 (2010), no. 3-4, 137-140.

23. On some Euler-Mascheroni type sequences

Computers and Mathematics with Applications, 60 (2010), no. 7, 2009-2014.

22. The asymptotic series of the generalized Stirling formula

Computers and Mathematics with Applications, 60 (2010), no. 3, 786-791.

21. On new sequences converging towards the Euler-Mascheroni constant

Computers and Mathematics with Applications, 59 (2010), no. 8, 2610-2614.

20. A class of integral approximations for the factorial function

Computers and Mathematics with Applications, 59 (2010), no. 6, 2053-2058.

19. Estimating the digamma and trigamma functions by completely monotonicity arguments

Applied Mathematics and Computation, 217 (2010), no. 8, 4081-4085.

18. Ramanujan formula for the generalized Stirling approximation

Applied Mathematics and Computation, 217 (2010), no. 6, 2579-2585.

17. New improvements of the Stirling formula

Applied Mathematics and Computation, 217 (2010), no. 2, 699-704.

16. Best estimates of the generalized Stirling formula

Applied Mathematics and Computation, 215 (2010), no. 11, 4044-4048.

15. Improved convergence towards generalized Euler-Mascheroni constant

Applied Mathematics and Computation, 215 (2010), no. 9, 3443-3448.

14. New approximations of the gamma function in terms of the digamma function

Applied Mathematics Letters, 23 (2010), no. 1, 97-100.

13. Very accurate estimates of the polygamma functions

Asymptotic Analysis, 68 (2010), no. 3, 125-134.

12. Optimizing the rate of convergence in some new classes of sequences convergent to Euler's constant

Analysis and Applications (Singapore), 8 (2010), no. 1, 99-107.

11. A quicker convergence toward the gamma constant with the logarithm term involving the constant e

Carpathian Journal of Mathematics, 26 (2010), no. 1, 86-91.

10. An ultimate extremely accurate formula for approximation of the factorial function

Archiv der Mathematik (Basel), 93 (2009), no. 1, 37-45.

9. Existence and uniqueness results for nonlinear Cauchy problems of the second order

Journal of Computational Analysis and Applications, 11 (2009), no. 2, 229-233.

8. An extension of the Szasz-Mirakjan operators

Analele Stiintifice ale Univ. Ovidius Constanta, 17 (2009), no. 1, 137-144.

7. Complete monotonic functions associated with gamma function and applications

Carpathian Journal of Mathematics, 25 (2009), no. 2, 186-191.

6. Arithmetic mean of values and value at mean of arguments for convex functions

ANZIAM Journal, 50 (2008), no. 1, 137-141.

5. A new type of approximating sequence for the solution of the Cauchy problem consisting of piecewise linear functions

Carpathian Journal of Mathematics, 24 (2008), no. 2, 83-90.

4. Nonsmooth perturbations in stochastic differential equations for the Brownian motion process

Carpathian Journal of Mathematics, 24 (2008), no. 1, 72-75.

3. The distance between fixed points of some pairs of
maps in Banach spaces and applications to differential systems

Czehoslovak
Mathematical Journal, 56 (2006), no. 2,
689-695.

2. Approximation methods for solving the Cauchy problem

Czehoslovak
Mathematical Journal, 55 (2005), no. 3, 709-718.

1. A coincidence
degree for bifurcation problems

Nonlinear
Analysis - Theory. Methods. Applications, 53 (2003), no. 5,
715-721.