

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 für 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

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

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

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

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

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

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92. A new fast asymptotic series to Gamma function

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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

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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)

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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)

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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)

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

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

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

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

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

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

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71. A continued fraction approximation of the gamma function

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

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69. Gamma function by x^{x-1}

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

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67. Estimating pi from the Wallis sequence

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66. Gamma function estimates via completely monotonicity arguments

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65. Completely monotone functions and the Wallis ratio

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

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60. Some completely monotonic functions relating to the
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58. New sequence converging towards the Euler-Mascheroni
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57. Error estimates of Ramanujan-type series

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56. Sharp form of inequality for the constant e (with Chao-Ping
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55. The quotient of gamma functions by the psi function

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54. Refinements of Gurland's formula for π

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- 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
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42. Sharp bounds of the Landau constants
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40. New sharp bounds for gamma and digamma functions
- Analele Stiintifice 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,
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34. Product approximations via asymptotic integration

American Mathematical Monthly, 117 (2010), no. 5,
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33. Fast convergences toward Euler-Mascheroni constant

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

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

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30. Asymptotic expansions of the generalized Stirling approximation

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

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25. Monotonicity properties of the volume of the unit ball in R^n

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

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17. New improvements of the Stirling formula

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16. Best estimates of the generalized Stirling formula

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15. Improved convergence towards generalized Euler-Mascheroni constant

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(2010), no. 9, 3443-3448.

14. New approximations of the gamma function in terms of
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Mathematics Letters, 23 (2010), no. 1, 97-100.

13. Very accurate estimates of the polygamma functions

Asymptotic Analysis, 68 (2010), no. 3,
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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,
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10. An ultimate extremely accurate formula for
approximation of the factorial function

Archiv der Mathematik (Basel), 93 (2009), no. 1,
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9. Existence and uniqueness results for nonlinear Cauchy
problems of the second order

Journal of Computational Analysis and Applications, 11 (2009), no. 2,
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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,
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5. A new type of approximating sequence for the solution
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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

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

2. Approximation methods for solving the Cauchy problem

Czechoslovak
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.