BABEŞ-BOLYAI UNIVERSITY

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

CLUJ-NAPOCA

JÓZSEF SÁNDOR

Mathematical Publications and Citations

2011

Contents

A. SCIENTIFIC PAPERS

1. *Analytical methods in the theory of algebraic and transcendental numbers* (Romanian), Diploma Work, Univ. Babeş-Bolyai, 1980 (Sci. Superv. Prof. Dr. P.T. Mocanu).

2. *On Hadamard's inequality* (Hungarian), Mat. Lapok (Cluj), LXXXVII, 9-10/1982, 427-430.

3. *A class of irrational numbers* (Romanian), Gazeta Mat. A, **4**(1983), No.1-2, 54-56. [Zbl.0625.10026]

4. *Some inequalities in prehilbertian spaces* (with S.S. Dragomir), Proc. Nat. Conf. on Geometry and Topology, $12 - 14^{th}$ April 1984, pp. 73-76.

5. *Some classes of irrational numbers,* Studia Univ. Babeş-Bolyai, Math, **29**(1984), 3-12 [MR 86i:11035].

6. *On the sequence of prime numbers* (Hungarian), Mat. Tan. (Budapest) 5/1985, pp. 152-154.

7. *On sequences, series and applications in prime number theory* (Romanian), Gazeta Mat. A, **6**(1985), No.1-2, 38-48. [Zbl.0618.10007]

8. *On finite sums of rational numbers* (Romanian), Gamma Braşov, **9**(1987), No.2-3, pp.1-3.

9. *Some inequalities in prehilbertian spaces* (with S.S. Dragomir), Studia Univ. Babeş-Bolyai, Math. **32**(1987), No.1, 71-78 [MR 89h:46034].

10. *On Jordan's arithmetic function,* Math. Student (India), **52**(1984), No.1-4, pp. 91-96 [MR 92a:11008].

11. *Variations on a theme by Hurwitz* (with M. Deaconescu), Gaz. Mat. A, **8**(1987), No.4, 186-191. [Zbl.0712.11017]

12. *On a problem of number theory* (Romanian), Gaz. Mat. 11-12/1987. [Zbl.0693.10007]

13. *On an inequality of Bohr,* Gamma **9**(1987), No.1-2, 20.

14. *On the irrationality of certain factorial series* (Romanian), Studia Univ. Babeş-Bolyai, Math, **32**(1987), No.1, 13-17 [MR 89g:11060].

15. *The inequality of Chebisheff in prehilbertian spaces (I)* (with S.S. Dragomir), Proc. Conf. of Math. Appl. Timişoara, 1987, pp. 61-64. [Zbl.0695.46009]

16. *On the irrationality of some alternating series,* Studia Univ. Babeş-Bolyai, Math. **33**(1988), No.4, 8-12 [MR 91c:40003].

17. *Some integral inequalities,* Elem. Math. (Basel), **43**(1988), 177-180 [MR 90b:26014].

18. *On the irrationality of e^x $(x \in \mathbb{Q})$,* Gamma, **11**(1988), No.1-2, 26-27.

19. *On the Open Problem P.D. 90,* Gamma, **11**(1988), No.1-2, 26-27.

20. *On certain functional equations,* Itinerant Sem. Funct. Eq., approx., convexity, 1988, pp.285-288 [MR 90c:39018].

21. *On a property of harmonic series* (Romanian), Gaz. Mat. XCIII, No.8/1988, 311-312. [Zbl.0693.10010]

22. *Remark on a function which generalizes the harmonic series,* C.R. Bulg. Acad. Sci. **41**(1988), No.5, 19-21 [MR 89j:3305].

23. *Some arithmetic inequalities,* Bulletin Number Theory, **11**(1987), No.1-3, 169-161 [MR 90e:11142].

24. *Corrections to "Some arithmetic inequalities",* Bull. Number Theory **12**(1988), pp.93-94 [MR 1161958]

25. *Über die Folge der Primzahlen,* Mathematica (Cluj), **30 (53)**, 1988, 67-74 [MR 90f:11007].

26. *On a stronger Bertrand's postulate,* Bull. Number Theory, **11**(1987), 162-166, No.1-3 [MR 91g:11004].

27. *On Dedekind's arithmetical function,* Seminarul t. Structurilor, No.51, 1988, pp.1-15, Univ. Timişoara. [Zbl.0676.10008]

28. *On Euler's arithmetical function,* Proc. Algebra Conf., June 1988, Braşov, pp.121-125 [MR 91c:11004].

29. *Remark on two papers by K. Atanassov,* Bull. Number Theory, **12**(1989), 56-59 [MR 1161950].

30. *Note on the functions σ and φ,* Bull. Number Theory, **12**(1988), 78-80 [MR 1161955].

31. *On some Grüss type inequalities* (with J.E. Pecarić and S.S. Dragomir), Itinerant Sem. Funct. Eq., Approx., Convexity, 1989, pp.155-158 [MR 91g:26032].

32. *On the sum of powers of divisors of a positive integers* (Hungarian), Math. Lapok, XCIV, 8/1989, 285-288.

33. *Remarks on the functions $\sigma(n)$ and $\varphi(n)$,* Seminar of Math. Analysis, Preprint Nr.7, 1989, 7-12 [MR 91b:11010].

34. *An asymptotic formula concerning a generalized Euler function,* (with L. Tóth), Fib. Quart., **27**(1989), 176-180 [MR 90g:11009].

35. *On certain arithmetic products* (Romanian) (with L. Tóth), Lucr. Sem. Didactica Mat. **15**(1989), 281-288.

36. *On some modifications of φ and σ functions* (with K. Atanassov) C.R. Bulg. Acad. Sci. **42**(1989), No.1, 55-58 [MR 90f:11003].

37. *On the composition of some arithmetic functions,* Studia Univ. Babeş-Bolyai, Math. **34**(1989), No.1, 7-14 [MR 91i:11008].

38. *Some Diophantine equations for particular arithmetic functions* (Romanian), Seminarul de Teoria Structurilor No.53, 1989, Univ. Timişoara. [Zbl.0727.11002]

39. *Sur la fonction Gamma,* Publ. Centre Rech. Math. Pures (Suisse), Série I, 21, 1989, pp.4-7. [Zbl.0758.33002]

40. *On the representation of certain sequences in commutative groups* (Romanian), Lucr. Sem. Didactica Mat. **5**(1989), 279-280.

41. *Remarks on Bernoulli polynomials and numbers,* Studii Cerc. Mat. (Bucureşti), **41**(1989), 47-49 [MR 90h:11017].

42. *A remark on the gamma function* (with L. Tóth), Elem. Math. **44**(1989), No.3, 73-76 [MR 90h:33004].

43. *On the arithmetical function $d_k(n)$,* L'Analyse Numér. Th. Approx. **18**(1989), 89-94 [MR 92d:11004].

44. *An application of the Jensen-Hadamard inequality,* Nieuw Arch. Wiskunde, Serie 4, **8**(1990), No.1, 63-66 [MR 91g:11003].

45. *On the arithmetical functions $\varphi_k(n)$ and $\sigma_k(n)$,* Math. Student, **58**(1990), 49-54 [MR 91h:11005].

46. *On certain number-theoretic inequalities* (with L. Tóth), Fib. Quart., **28**(1990), No.3, 255-258 [MR 91g:11002].

47. *On some exponential means* (with Gh. Toader), Babeş-Bolyai Univ. Preprint No.7, 1990, 35-40 [MR 93e:26016].

48. *On an inequality of Ky Fan,* Babeş-Bolyai Univ. Preprint No.7, 1990, 29-34 [MR 93e:26015].

49. *A note on the arithmetic, logarithmic and geometric means* (Romanian), Lucr. Sem. Didactica Mat. **6**(1990), 302-304.

50. *On the identric an logarithmic means,* Aequationes Math. **40**(1990), 261-270 [MR 91i:26028].

51. *A note on some inequalities for means,* Arch. Math. (Basel), **56**(1991), 471-473 [MR 92d:26028].

52. *On an inequality of Ky Fan II,* Intern. J. Math. Educ. Sci. Techn. **22**(1991), 326-328. [Zbl.0748.26013]

53. *On some arithmetical products* (with L. Tóth), Publ. Centre Rech. Math. Pures (Neuchâtel), Série I, 20, 1990, 5-8. [Zbl.0765.11004]

54. *On some irrational series* (with N.J. Lord), Math. Mag. **65** (1992), 53-55 [MR 92i:11075].

55. *On some Diophantine equations involving the factorial of a number,* Seminar Arghiriade, No.21, 1989, pp.1-4, Univ. of Timişoara [MR 92h:11028].

56. *A note on the Jensen-Hadamard inequality* (with J.E. Pečarić and S.S. Dragomir), L'Analyse Numér. Th. Approx. **19**(1990), [MR 93c:26016].

57. *Note on Jordan's arithmetical function,* Seminar Arghiriade, No.19, pp.1-4, Univ. Timişoara. [Zbl.0758.11002]

58. *A note on semigroup-valued multiplicative functions,* Astra Mat. (Sibiu) **1**(1990), No.2, 18-19.

59. *On inequalities related to the number e,* (Hungarian), (with M. Bencze and L. Tóth), Mat. Lapok, 8-9/1990.

60. *On some generalizations of the Cauchy-Buniakovski-Schwarz inequality* (Romanian) (with S.S. Dragomir), Gaz. Mat. A, 3/1990, 104-109.

61. *On some new inequalities for a triangle* (with D.M. Milosević), Astra Mat. **1**(1990), No.3, 8-11. [Zbl.0757.51017]

62. *On Hölder's inequality* (Romanian), Lucr. Semin. Didactica Mat. **7**(1991), 123-124.

63. *Some generalizations of Cauchy-Buniakovski-Schwarz inequality for isotonic functionals* (with J.E. Pečarić and S.S. Dragomir), Bull. Univ. Braşov **32**(1990), 17-22 [MR 1125655].

64. *On the Jensen-Hadamard inequality,* Studia Univ. Babeş-Bolyai, Math. **36**(1991), No.1, 9-15, [MR 1280888].

65. *A note on G - multiplicative functions,* Bull. Number Theory **13**(1989), 23-24 [MR 1175038].

66. *An irrational series,* Astra Mat. **1**(1990), No.5, 24-25. [Zbl.0755.11020]

67. *On the principle of condensation of singularities,* The 4th Symp. on Math. Ineq. Appl. 30-31 oct. 1992, Sibiu.

68. *On the inequality of the arithmetic and geometric means,* Proc. Int. Conf. Math. Appl., Tehnical Univ., Cluj, oct. 1990; Bul. Şt. Inst. Polit. Ser. Mat. Mec. Apl. Constr. M. **33**(1990), 109-112 [MR 94f:26014].

69. *On a summatory formula and its applications* (with L. Tóth and A Vernescu) Gaz. Mat. A, **12**(1991), No.3-4, 146-151.

70. *A note on the functions $\varphi_k(n)$ and $\sigma_k(n)$,* Studia Univ. Babeş-Bolyai Math. **35**(1990), No.2, 3-6 [MR 94f:11005].

71. *On even perfect and super-perfect numbers* (Romanian), Lucr. Semin. Didactica Mat. **6**(1992), 167-168. [Zbl.0843.11004]

72. *On a functional equation* (Romanian), Lucr. Semin. Didactica Mat. **6**(1990), 293-296.

73. *The many facets of Euler's totient III: An assortment of miscellaneous topics* (with R. Sivaramakrishnan), Nieuw Arch. Wiskunde **11**(1993), 97-130 [MR 94i:11007].

74. *On Bessel's and Gram's inequalities in prehilbertian spaces* (with S.S. Dragomir) Periodica Mat. Hungarica **29**(3)(1994), 197-205 [MR 95k:46034].

75. *On an inequality of Klamkin with arithmetical applications,* Int. J. Math. Ed. Sci. Techn. **25**(1994), 157-158. [Zbl.0805.11007]

76. *Note on Jordan's arithmetical function,* Octogon M.M. **1**(1993), 1-4 [MR 95d:11006].

77. *A number-theoretical problem in geometry* (Hungarian) (with Gy. Berger), Mat. Lapok, 2/1994, 44-46.

78. *Optimization with measurable set functions* (Romanian), Babeş-Bolyai Univ., Cluj, 1994, pp. 1-32.

79. *The dual action and its application in the theory of hamiltonian systems* (Romanian), Babeş-Bolyai Univ., Cluj, 1994, pp. 1-35.

80. *An application of Rolle's theorem,* Octogon Math. M. **2**(1994), 6-8 [MR 1303992].

81. *On certain inequalities for means,* J. Math. Anal. Appl. **189**(1995), 602-606 [MR 95k:26025].

82. *Two inequalities for means,* Int. J. Math. Math. Sci. **18** (1995), 621-623 [MR 96b:26030].

83. *On certain identities for means,* Studia Univ. Babeş-Bolyai, Math., **38**(1993), No.4, 7-14 [MR 97i:26030].

84. *On an inequality of Sierpinski,* Octogon M.M. **3**(1995), No.1, 21-22 [MR 1361854].

85. *On Bernoulli's inequality,* Octogon M.M. **3**(1995), No.1, 34-35 [MR 1361857].

86. *On a method of Galambos and Kátai concerning the frequency of deficient numbers,* Publ. Math. Debrecen **39**(1991), 155-157 [MR 92j:11111].

87. *Inequalities for means,* Proc. 3th Symp. Math. and Appl. 3-4 Nov 1989, Timişoara, pp.87-90 [MR 1266445].

88. *The Chebyshev inequality in prehilbertian spaces* (with S.S. Dragomir) Proc. 2nd Symp. Math. and Appl. 30-31 oct 1987, Timişoara, pp.61-64 [MR 90k:46048].

89. *On certain inequalities for arithmetic functions,* Notes Numb. Theory Discr. Math. **1**(1995), 27-32 [MR 1417443].

90. *On a new arithmetic function,* Notes Numb. Theory Discr. Math. **1**(1995), 60-65 [MR 97g:11103].

91. *On an inequality of Alzer,* J. Math. Anal. Appl. **192** (1995), 1034-1035 [MR 96f:26026].

92. *On certain means* (with V.E.S. Szabó) Reprint No.21/1994, Math. Inst. Hung. Acad. Sci., Budapest, 1994.

93. *On certain inequalities for means, II,* J. Math. Anal. Appl. **199**(1996), 629-635 [MR 97b:26023].

94. *On a property of convex sequences,* Octogon M.M. **3** (1995), No.2, 26-27. [Zbl.0852.40005]

95. *On a mean-value theorem,* Octogon M.M. **3**(1995), No.2, 47-49. [Zbl.0849.26004]

96. *On some Grüss type inequalities for isotonic functionals* (with J.E. Pečarić and S.S. Dragomir) Rad. Mat. (467), **11**(1991), 41-47 [MR 96i:26028].

97. *On an exponential inequality* (Romanian), Lucr. Sem. Didactica Mat. **10**(1994), 113-118.

98. *Some inequalities for uniformly-convex functions* (with S.S. Dragomir), Mathematica (Cluj) **34**(**57**)(1992), 133-138 [MR 94m:26023].

99. *On some refinements of Hadamard's inequalities and applications* (with S.S. Dragomir and D.M. Milosević) Univ. Beograd Publ. Elek. Fak. Ser. Mat. **4**(1993), 3-10 [MR 95g:26025].

100. *On refinements of certain inequalities for means,* Arch. Math. (Brno) **32**(1995), 279-282 [MR 97c:26028].

101. *On the theorem of finite increments* (Hungarian), Mat. Lapok, XCIII, 10/1994, 361-362.

102. *On the arithmetical functions $d_k(n)$ and $d_k^*(n)$,* Portugaliae Math. **53**(1996), No.1, 107-115 [MR 96m:11087].

103. *On certain inequalities by Iyengar and Kesava Menon,* Octogon M.M. **4**(1996), No.1, 9-11 [MR 1395535].

104. *On certain inequalities involving the Smarandache function,* Smarandache Notions J. **7**(1996), 3-6 [MR 97h: 11004].

105. *On certain inequalities involving Dedekind's arithmetical function,* Notes Numb. Th. Discr. Math. **2**(1996), 1-4 [MR 1418822].

106. *On the generalized ratio test* (with V. Berinde), Bul. Şt. Univ. Baia Mare **9**(1995), 55-58 [MR 1463025].

107. *On means generated by derivatives of functions,* Int. J. Math. Educ. Sci. Techn. **28**(1997), No.1, 146-148. [Zbl.0885.26014]

108. *A note on the Jensen integral inequality,* Octogon M.M. **4**(1996), No.1, 66-68 [MR 1395545].

109. *On certain integral inequalities,* Octogon M.M. **5**(1997), 29-35 [MR 1461772].

110. *On certain inequalities for the distances of a point to the vertices and the sides of a triangle,* Octogon M.M. **5**(1997), No.1, 19-24, [MR 1461768].

111. *On the gamma function II,* Publ. Centre Rech. Math. Pures, Chambéry, Série I, Fasc. **28**(1997), 10-12 [MR 1656636].

112. *On an inequality for the sum of infimums of functions* (with V.E.S. Szabó), J. Math. Anal. Appl. **204**(1996), 646-654 [MR 98c:26015].

113. *On Bernoulli's inequality* (Hungarian) Mat. Lapok, XLV, 3/1997, 84-85.

114. *On certain applications of Cauchy's mean value theorem* (with Maria S. Pop), Octogon M.M. **4**(1996), No.2, 23-29 [MR 98e:26006].

115. *On a functional equation,* Octogon M.M. **4**(1996), 56-58 [MR 99a:39057].

116. *On some new triangle inequalities* (with D.M. Milosević), Octogon M.M. **5**(1997), No.1, 42-44 [MR 1461775].

117. *On two functional equations,* Octogon M.M. **5**(1997), No.1, 74-76 [MR 1461784].

118. *Some general means* (with Gh. Toader), Czechoslovak Math. J. **49**(124)(1999), No.1, 53-62 [MR 2000a:26022].

119. *Inequalities for certain means in two arguments* (with I. Raşa), Nieuw Arch. Wiskunde **15**(1997), 51-55 [MR 98i:26026].

120. *On an exponential totient function,* Studia Univ. Babeş-Bolyai, Math., XLI, No.3, 1996, 91-94 [MR 99f:11009].

121. *On the irrationality of certain alternative Smarandache series,* Smarandache Notions J., **8**(1997), 143-145 [MR 1630920].

122. *On an inequality of Bennett,* General Mathematics (Sibiu), **3**(1995), No.3-4, 121-125. [Zbl.0903.26010]

123. *A note on inequalities of Diaz-Metcalf type for isotonic linear functionals* (with S.S. Dragomir), Mat. Vesnik **46**(1994), 29-31 [MR 95k:26023].

124. *On certain arithmetic functions associated with the unitary divisors of a number* (with L. Tóth), Notes Numb. Th. Discr. Math. **3**(1997), No.1, 1-8 [MR 99c:11006].

125. *On certain arithmetic products involving regular convolutions* (with L. Tóth), Notes Numb. Th. Discr. Math. **3**(1997), No.3, 159-166.

126. *The Gregory series and logarithmic means,* Octogon M.M. **5**(1997), No.2, 36-38 [MR 1619492].

127. *A note on primitive Pythagorean triangles,* Octogon M.M. **5**(1997), No.2, 54-56 [MR 1619512].

128. *On some new geometric inequalities,* Octogon M.M. **5** (1997), No.2, 66-69 [MR 1619453].

129. *On certain new inequalities and limits for the Smarandache function,* Smarandache Notions J. **9**(1998), 63-69 [MR 2000b:11007].

130. *On perfect and m -perfect numbers,* Octogon M.M. **6**(1998), 149-151 [MR 1699936].

131. *On a Diophantine equation involving Euler's Totient function,* Octogon M.M. **6**(1998), 154-157 [MR 2000i:11055].

132. *On an inequality for the Smarandache function,* Smarandache Notions J. **10**(1999), 125-127 [MR 1757999].

133. *On the inequality of means* (Romanian), Lucr. Semni. Did. Mat. **14**(1998), 229-232.

134. *On the irrationality of* $\cos 2\pi m/n$ (Romanian), Lucr. Semin. Did. Mat. **14**(1998), 232-235.

135. *On Stirling's formula* (Romanian), Lucr. Semin. Did. Mat. **14**(1998), 235-240.

136. *On Heron triangles, II* (Romanian) (with A.-V. Krámer) Lucr. Semin. Did. Mat. **14**(1998), 240-249

137. *On certain logarithmic means* (Romanian), Lucr. Sem. Did. Mat **15**(1999), 161-166.

138. *Über eine Zahlentheoretische Funktion* (with A.-V.Krámer), Math. Moravica **3** (1999), 53-62. [Zbl.0972.11005]

139. *On the arithmetic-geometric mean of Gauss,* Octogon M.M. **7**(1999), No.1, 108-115 [MR 1730039].

140. *On certain means* (with V.E.S. Szabó), Octogon M.M. **7**(1999), No.1, 58-65 [MR 1730045].

141. *On the arithmetic-geometric inequality,* Octogon M.M. **7** (1999), 149-151

    [MR 1730030].

142. *Monotonicity and convexity properties of means,* Octogon M.M. **7**(1999), No.2, 22-27

    [MR 1730808].

143. *On the Open Question OQ. 155,* Ibid. **7**(1999), No.2, 119-120.

144. *On consecutive primes,* ibid. **7**(1999), No.2, 121-123.

145. *On the Open Problem OQ. 156,* ibid. **7**(1999), No.2, 120-121.

146. *On the Open Problem OQ. 170 - OQ. 171,* ibid. **7**(1999), No.2, 123-124.

147. *On the Open Problem OQ. 188 - OQ. 190,* ibid. **7**(1999), No.2, 124-125.

148. *A new refinement of the Ky Fan Inequality* (with T. Trif) Math. Ineq. Appl. **2**(1999), No.4, 529-535 [MR 2000h:26034].

149. *Comments on an inequality for the sum of powers of positive integers,* RGMIA Collection, Victoria Univ, **2**(1999), No.2, 259-261.

150. *On a conjecture of Smarandache on prime numbers,* Smarandache Notions J. **11**(1999), No.1-2-3, 136.

151. *A note On $S(n)$, where n is an even perfect number,* Smarandache N.J. **11**(1999), No.1-2-3, p.139 [MR 1764414].

152. *On two notes by M. Bencze,* Smarandache N.J. **11**(1999), No.1-2-3, p.201

    [MR 1764903].

153. *On certain generalizations of the Smarandache function,* Notes Numb. Th. Discr. Math. **5**(1999), No.2,41-51 [MR 2001b:11006].

154. *On certain classes of generalized convex functions with applications, I.,* Studia Univ.Babeş-Bolyai, **44**(1999), No.1, 73-84. [MR 1856045]

155. *Inequalities for generalized convex functions with applications I,* Studia Univ. Babeş-Bolyai, **44**(1999) No.2, 93-107. [MR 1860108]

156. *On certain inequalities and limits for the Smarandache function,* Smarandache N.J. **9**(1998), 63-69.

157. *On values of arithmetical functions at factorials, I.,* Smarandache N.J. **10**(1999), 87-94 [MR 2000a:11011].

158. *On the irrationality of certain constants related to the Smarandache function,* Smarandache N.J. **10**(1999), 97-99 [MR 1682455].

159. *On certain subhomogeneous means,* Octogon M.M. **8**(2000), No.1, 156-160. [Ref. Jurn. 04.04-13B.6]

160. *An inequality in prehilbertian spaces for continuous and linear operators,* Octogon M.M. **8**(2000), No.1, 169-171.

161. *On certain conjectures on prime numbers, I.,* Octogon M.M. **8**(2000), No.1, 183-189.

162. *On a Diophantine equation,* Octogon M.M. **8**(2000), No.1, 221-223.

163. *On the Open Question OQ. 259,* Octogon M.M. **8**(2000), No.1, 218-219.

164. *On the Open Problem OQ. 302,* Octogon M.M. **8**(2000), 229-230.

165. *On the Open Problem OQ. 291,* Octogon M.M. **8**(2000), 227-228.

166. *On a limit for the sequence of primes,* Octogon M.M. **8**(2000), No.1, 180-181.

167. *On the Open Problem OQ. 294,* Octogon M.M. **8**(2000), 228-229.

168. *On an inequality for the sum of infimums of functions,* Workshop on Analysis, June 1-3, 2000, Budapest (with V.E.S. Szabó).

169. *On the Open Problems OQ. 285, OQ. 289,* Octogon M.M. **8**(2000), 225-227.

170. *On certain inequalities involving the constant e and their applications* (with L. Debnath), J.Math. Anal. Appl. **249**(2000), 569-582 [MR 2001g:26025].

171. *On certain limits related to the number e,* Libertas Math. (USA), **20**(2000), 155-159 [MR 2001k:26034].

172. *On certain inequalities for means, III,* RGMIA Research Report Collection (Australia), vol. **2**(1999), No.3, 421-428.

173. *Two theorems on convexity or concavity of functions,* Octogon M.M. **8**(2000), No.2, 337-339.

174. *On a theorem of Cotes in elementary geometry,* Octogon M.M. **8**(2000), No.2,403-405.

175. *On certain conjecture on prime numbers, II.,* ibid. **8**(2000), No.2, 448-453.

176. *A micronote on prime numbers,* ibid. **8**(2000), No.2, 470.

177. *On certain expression involving Euler's gamma function,* Octogon M.M. **8**(2000), 505-507.

178. *On convex functions involving Euler's gamma function,* Octogon M.M. **8**(2000), 514-516.

179. *On the difference of alternate compositions of arithmetic functions,* Octogon M.M. **8**(2000), 519-522.

180. *A note on two arithmetic functions,* Octogon M.M. **8**(2000), 522-524.

181. *On the iterates of Euler's totient functions,* Octogon M.M. **8**(2000), 527-529.

182. *On OQ. 287,* Octogon M.M. **8**(2000), 510-511.

183. *On the Open Problem OQ. 291.II,* Octogon M.M. **8**(2000), p.511.

184. *On the Open Problem OQ. 307,* Octogon M.M. **8**(2000), 512.

185. *On the Open Problems OQ. 324 and OQ. 322,* Octogon M.M. **8**(2000), 513.

186. *On the Open Problems OQ. 345 and OQ. 346,* Octogon M.M. **8**(2000), 518.

187. *On the Open Problem OQ. 354,* Octogon Math. M. **8**(2000), 524.

188. *On the Open Problem OQ. 362,* Octogon M.M. **8**(2000), No.2, 525.

189. *On the Open Problems OQ. 373, OQ. 445,* Octogon M.M. **8**(2000), 529.

190. *On the Open Problems OQ. 377 and OQ. 44,* Octogon M.M. **8**(2000), 530.

191. *On the Open Problem OQ. 435,* Octogon M.M. **8**(2000), 531-532.

192. *On certain inequalities for means, III,* Arch. Math. (Basel), **76**(2001), 34-40 [MR 1808740].

193. *On an inequality of Ky Fan, III,* Int. J. Math. Ed. Sci. Techn. **32**(2001), No.1, 133-160 [MR 1810337].

194. *On the gamma function, III.,* Centre Rech. Math. Pures, Neuchâtel, Série 2, **19**(2001), 33-40.

195. *On the pseudo-Smarandache function,* Smarandache N.J. **12**(2001), No.1-2-3, 59-62 [MR 1821194].

196. *A note on $S(n^2)$,* Smarandache N.J. **12**(2001, No.1-2-3, 246.

197. *On a new Smarandache type function,* Smarandache N.J. **12**(2001), 247-249.

198. *On certain arithmetic functions, Smarandache N.J.* **12**(2001), 260-262.

199. *On Aczél's inequality,* Octogon M.M. **9**,1A(2000), 184-186.

200. *On certain trigonometric inequalities,* Octogon M.M. **9**,1A(2000), 331-336.

201. *On two properties of Euler's totient,* Octogon M.M. **9**,1B(2000), 502-503.

202. *A note on the Erdös-Mordell inequality for tetrahedrons,* Octogon M.M. **9**,1B(2001), 505-506.

203. *On a Diophantine equation involving arctangents,* ibid. **9**,1B(2001), 511-514.

204. *On certain exponential Diophantine equations,* ibid. **9**,1B(2001), 515-517.

205. *On certain new conjectures in prime number theory,* ibid. **9**,1B(2001), 537-538.

206. *On an inhomogeneous Diophantine equation of degree 3,* ibid. **9**,1B(2001), 545-546.

207. *On the sum of two cubes.* ibid. **9**1B(2001), 547-548.

208. *On the Diophantine equation $3^x + 3^y = 6^z$,* ibid, 1B(2001), 551-553.

209. *On the Open Problem OQ. 487,* ibid **9**,1B(2001), 550-551.

210. *On the Open Problem OQ. 510,* ibid **9**,1B(2001), 559-561.

211. *On the Open Problem OQ. 546,* ibid **9**,1B(2001), 574-575.

212. *On the Open Problem OQ. 545,* ibid **9**,1B(2001), 573-574.

213. *On the Open Problem OQ. 539,* ibid **9**,1B(2001), 571-573.

214. *On the Open Problem OQ. 536,* ibid **9**,1B(2001), 570-571.

215. *On the Open Problem OQ. 532,* ibid **9**,1B(2001), 569-570.

216. *On the Open Problem OQ. 528,* ibid **9**,1B(2001), 568-569.

217. *On the Open Problem OQ. 525,* ibid **9**,1B(2001), 567-568.

218. *On the Open Problem OQ. 523,* ibid **9**,1B(2001), 566-567.

219. *On the Open Problem OQ. 534 and OQ. 521,* ibid **9**,1B(2001), 565-566.

220. *On the Open Problem OQ. 520,* ibid **9**,1B(2001), 563-564.

221. *On the Open Problem OQ. 516,* ibid **9**,1B(2001), 563.

222. *On the Open Problem OQ. 511,* ibid **9**,1B(2001), 562.

223. *On the Open Problem OQ. 507,* ibid **9**,1B(2001), 558-559.

224. *On the Open Problem OQ. 504,* ibid **9**,1B(2001), 556-557.

225. *On the Open Problem OQ. 502,* ibid **9**,1B(2001), 555-556.

226. *On the Open Problem OQ. 482,* ibid **9**,1B(2001), 549.

227. *On the Open Problem OQ. 469,* ibid **9**,1B(2001), 544.

228. *On the Open Problem OQ. 454,* ibid **9**,1B(2001), 542-543.

229. *On the Open Problem OQ. 451 and OQ. 530,* Octogon M.M. **9**,1B(2001), 541-542.

230. *On the Open Problem OQ. 450,* Octogon M.M. **9**,1B(2001), 540-541.

231. *On the Open Problem OQ. 441,* Octogon M.M. **9**,1B(2001), 538-539.

232. *On the Open Problem OQ. 267,* Octogon M.M. **9**,1B(2001), 527-528.

233. *On the Open Problem OQ. 101,* Octogon M.M. **9**,1B(2001), 519-520.

234. *On the Open Problem OQ. 79,* Octogon M.M. **9**,1B(2001), 518.

235. *On the Open Problem OQ. 208 and OQ. 39,* Octogon M.M. **9**,1B(2001), 514-515.

236. *On an inequality of Fink,* Univ. Beograd Publ. Elektr. Fak. Ser. Mat. **11**(2000), 51-52(2001) [MR 1845706].

237. *Some new inequalities for means of two arguments* (with T. Trif), Int. J. Math. Math. Sci. **25**(2001), No.8, 525-532 [MR 1827637].

238. *On multiplicatively perfect numbers,* JIPAM, J. Ineq. Pure. Appl. Math. **2**(2001), No.1, Article 3, 6 pp (electronic) [MR 1822296].

239. *The Chebyshev inequality in prehilbertian spaces, II.,* (with J.E. Pečarić and S.S. Dragomir), Proc. Third Symp. Math. and Appl. Timişoara, 1989, pp.75-78(1990) [MR 94m:46033].

240. *The Chebyshev inequality in prehilbertian spaces, III,* (with J.E. Pečarić and S.S. Dragomir), Proc. Fourth Symp. Math. and Appl. Timişoara, 1991, pp. 184-187(1992) [MR 95c:46031].

241. *On certain generalizations of the Smarandache function,* Smarandache Notions, vol.11, 202-212, Am. Res. Press, Rehoboth, NM, 2000 [MR 1754294].

242. *On the irrationality of certain alternative Smarandache series,* Proc. First Int. Conf. Smarandache Type Notions (Craiova, 1997), pp. 122-123, Am. Res. Press, Lupton, AZ, 1997 [MR 1615872].

243. *On Heron triangles, III,* Notes Numb. Th. Discr. Math. **7**(2001), 36-47, No.2. [MR 2020852]

244. *On even perfect and superperfect numbers,* Notes Numb. Th. Discr. Math. **7**(2001), 4-5, No.1. [MR 2022682]

245. *On arithmetic functions and a trigonometric product* (with L. Tóth), Notes Numb. Th. Discrete Math. **7**(2001), No.1, 6-9. [MR 2022683]

246. *On the Ky Fan inequality and related inequalities, I.,* (with E. Neuman) Math. Ineq. Appl. **5**(2002), No.1, 49-56. [MR 1880271]

247. *Abundant numbers,* in M. Hazewinkel: Encyclopedia of Mathematics, Supplement III, Kluwer Acad. Publ., 2002, pp. 19-21.

248. *On certain identities for means, II.,* (Chinese) (with Wanlan Wang), J. Chengdu Univ., **20**(2001), No.2, 6-8. [MR 1912035]

249. *Inequalities for generalized convex functions with applications, II.,* Studia Univ. Babeş-Bolyai, Math. **51**(2001), No.1, 79-92. [MR 1954382]

250. *Logarithmic convexity of t - modification of a mean,* Octogon M.M. **9**(2001), No.2, 737-739.

251. *A generalized Pillai function,* Octogon M.M. **9**(2001), No.2, 746-748.

252. *A note on certain arithmetic functions,* Octogon M.M. **9**(2001), No.2, 793-797.

253. *On a note by Amarnath Murthy,* Octogon M.M. **9**(2001), No.2, 836-839. [Ref. Jurn. 04.01-13A.233]

254. *On Emmerich's inequality,* Octogon M.M. **9**(2001), No.2, 861-864.

255. *On a geometric inequality of Arslanagić and Milosević,* Octogon M.M. **9**(2001), No.2, 870-872.

256. *On a geometric inequality for the medians, bisectors and simedians of an angle of a triangle,* Octogon M.M. **9**(2001), No.2, 894-896.

257. *On the Diophantine equation* $\dfrac{1}{x^2}+\dfrac{1}{y^2}=\dfrac{1}{z_1 z_2}$, Octogon M.M. **9**(2001), No.2, 912-913.

258. *On the Diophantine equations* $\dfrac{1}{x_1}+\dfrac{1}{x_2}+\ldots+\dfrac{1}{x_n}=\dfrac{1}{x_{n+1}}$, Octogon M.M. **9**(2001), No.2, 916-918.

259. *The Smarandache functions introduced more than 80 years ago!,* Octogon M.M. **9**(2001), No.2, 920-921.

260. *A note on a geometric inequality,* Octogon M.M. **9**(2001), No.2, 925-926.

261. *On an Open Question concerning Euler's totient,* Octogon M.M. **9**(2001), No.2, 933-934.

262. *On the Diophantine equations* $4^x+18^y=22^z$, (with Z.Cao), Octogon M.M. **9**(2001), No.2,937-938.

263. *On the integer part of* $n\sqrt{p_k}$, Octogon M.M. **9**(2001) No.2, 952-953.

264. *On the Diophantine equations* $x_1!+x_2!+\ldots+x_n!=x_{n+1}!$, Octogon M.M. **9**(2001), No.2, 963-965.

265. *On the Open Problem OQ. 633 or an extension of Ky Fan's inequality,* Octogon M.M. **9**(2001), No.2, 961-962.

266. *On the Open Problem OQ. 482, II,* Octogon M.M. **9**(2001), No.2, 935-937.

267. *On the Open Problem OQ. 507, II,* Octogon M.M. **9**(2001), No.2, 938-939.

268. *A note on OQ. 122,* Octogon M.M. **9**(2001), No.2, 934-935.

269. *On the Open Problem OQ. 562,* Octogon M.M. **9**(2001), No.2, 941-942.

270. *On the Open Problem OQ. 567,* Octogon M.M. **9**(2001), No.2, 942-943.

271. *On the Open Problem OQ. 573,* Octogon M.M. **9**(2001), No.2, 943-944.

272. *On the Open Problem OQ. 578,* Octogon M.M. **9**(2001), No.2, 944-945.

273. *On the Open Problem OQ. 580,* Octogon M.M. **9**(2001), No.2, 945-946.

274. *On the Open Problem OQ. 593,* Octogon M.M. **9**(2001), No.2, 950-952.

275. *On the Open Problem OQ. 609,* Octogon M.M. **9**(2001), No.2, 953-954.

276. *On the Open Problem OQ. 610,* Octogon M.M. **9**(2001), No.2, 954-955.

277. *On the Open Problem OQ. 612,* Octogon M.M. **9**(2001), No.2, 955-956.

278. *On the Open Problem OQ. 617,* Octogon M.M. **9**(2001), No.2, 956-957.

279. *On the Open Problem OQ. 618,* Octogon M.M. **9**(2001), No.2, 957-958.

280. *On the Open Problem OQ. 632,* Octogon M.M. **9**(2001), No.2, 958-959.

281. *A note on the Chinese Remainder Theorem,* Octogon M.M. **9**(2001), No.2, 884-886.

282. *János Bolyai's arithmetic problem* (Hungarian) (with E. Kiss), Mat. Lapok, 9/2001, 321-325.

283. *An additive analogue of the function S,* Notes Number Theory Discr. Math. **7**(2001), No.3, 91-95. [MR 2020983], [Ref. Jurn. 04.12-13A.114]

284. *On Smarandache's Podaire theorem,* in Geometric theorems and arithmetic functions, http://www.gallup.unm.edu/ smarandache/jozsefsandor.pdf, 2002, pp.3-4, see also Smarandache Notions J. **13**(2002), no.1-3, 16-17 [MR 1933241]

285. *On the Diophantine equation $a^2 + b^2 = 100a + b$,* ibid., pp. 5-6.

286. *On the least common multiple of the first n positive integers,* ibid, pp. 7-10.

287. *On a generalized bisector theorem,* ibid, pp. 19-20.

288. *On certain conjectures by Russo,* ibid, pp. 21-22.

289. *On certain limits related to prime numbers,* ibid, pp. 11-18.

290. *On certain arithmetic functions,* ibid, pp.46-47.

291. *On multiplicatively deficient and abundant numbers,* ibid, pp. 44-45.

292. *On a dual of the pseudo-Smarandache function,* ibid, pp. 48-54.

293. *On a paper by Mihály Bencze on Seiffert's mean,* RGMIA Research Report Collection, **4**(2002), No.2.

294. *Diophantine approximations with applications to Diophantine equations,* Publ. Sapientia Foundation, 2002, Cluj-Napoca.

295. *Inequalities involving Stolarsky and Gini means* (with E. Neuman), Math. Pannonica, **14**(2003), no.1, 29-44. [MR 1960877]

296. *Notes on the Schur-convexity of the extended mean values* (with F.Qi, S.S. Dragomir, A. Sofo), Taiwanese J. Math., **9**(2005), no.3, 411-420. [MR 2162886], [ZBL 10862.6008]

297. *Generalized convexity and applications* (Romanian; English summary), Doctoral Thesis, Univ. Cluj-Napoca, Romania 1998 (Sci. Superv. Prof. Dr. J. Kolumbán).

298. *On the Open Problem 560, A Problem of M. Bencze,* Octogon M.M. **9**(2001), No.2, 940-941.

299. *On OQ. 666,* Octogon M.M. **9**(2001), No.2, 962-963.

300. *On the Open Problem OQ. 669,* Octogon M.M. **9**(2001), No.2, 965-966.

301. *On the Open Problem OQ. 671,* Octogon M.M. **9**(2001), No.2, 966-967.

302. *On OQ. 551,* Octogon M.M. **9**(2001), No.2, 939-940.

303. *Some inequalities in prehilbertian spaces,* Third Colloq. on Ineq., Sibiu, X, 1987, 15-18.

304. *On certain inequalities involving the Smarandache Function,* Abstracts of Papers Presented to the Amer. Math. Soc. **17**(1996), 583, see also Smarandache Notions J. **7**(1996), no.1-3, 3-6 [MR 1416967]

305. *On Bessel's and Gram's inequalities in prehilbertian spaces* (with S.S. Dragomir) Mathematica (Cluj) **37**(**60**)(1995), No.1-2, 93-102 [MR 99a:46035].

306. *On values of arithmetical functions at factorials I,* Smarandache notions, vol. 10, 87-94, Smarandache Notions, 10, Amer. Res. Press, Rehoboth, NM, 1999 [MR 1757991].

307. *Some inequalities for the elements of a triangle,* Octogon M.M. **6**(1998), No.1, 42-43 [MR 1630941].

308. *On means generated by two positive functions* (with Gh. Toader) Octogon M.M. **10**(2002), no. 1, 70-73.

309. *The Huygens inequality and its applications to convexity,* Octogon M.M. **10**(2002), no. 1, 164-165.

310. *On Chebyshev's integral inequality,* ibid, pp. 184-187.

311. *The Seiffert and Bencze means, as Pfaff means,* ibid, pp. 251-254.

312. *Another note on the Seiffert mean,* ibid, pp. 274-277.

313. *Fewer category of means!,* ibid, pp. 284-286.

314. *On the non-Lipschitz property of certain arithmetic functions,* ibid, pp. 352-353.

315. *On a Diophantine equation, II.,* ibid, pp. 371-373.

316. *On the Diophantine equation $x + y + z = \dfrac{1}{x} + \dfrac{1}{y} + \dfrac{1}{z}$,* ibid, pp. 389-390.

317. *On the equation $f(n) + f(n+1) + \ldots + f(n+k) = f(n) \cdot f(n+k)$,* ibid, pp. 399-401.

318. *On the Open Problem OQ. 756, or some Pell equations,* ibid, pp. 401-403.

319. *On the Open Problem OQ. 573, II.,* ibid, pp. 375-376.

320. *On the Open Problem OQ. 701,* ibid, pp. 381-382.

321. *On the Open Problem OQ. 702,* ibid, p. 383.

322. *On OQ. 716,* ibid, pp. 386-387.

323. *On OQ. 739,* ibid, pp. 394-395.

324. *On the Open Problem OQ. 740,* ibid, pp. 395-396.

325. *On OQ. 742,* ibid, pp. 396-397.

326. *On the Open Problems OQ. 749, OQ. 750, OQ. 751,* ibid, pp. 397-398.

327. *On the Open Problem OQ. 764,* ibid, pp. 404-405.

328. *On the Open Problem OQ. 773,* ibid, pp. 405-406.

329. *On the Open Problem OQ. 780,* ibid, p. 407.

330. *On the Open Problem OQ. 782,* ibid, pp. 409-410

331. *On the Open Problem OQ. 784,* ibid, pp. 410-411.

332. *On the Open Problem OQ. 792,* ibid, pp. 411-412.

333. *On the Open Problem OQ. 803,* ibid, pp. 413-414.

334. *On the Open Problem OQ. 804,* ibid, pp. 414-415

335. *On the Open Problem OQ. 805,* ibid, p. 416.

336. *Über zwei Mittel von Seiffert,* Wurzel (Jena), **36**(2002), no. 5, 104-107.

337. *On certain entropy inequalities,* RGMIA, **5**(2002), no. 3, article no. 5 (electronic)

338. *On a paper of Mihaly Bencze on the Seiffert mean,* RGMIA Research Report Collection, **5**(2)(2002), article 2.

339. *On Smarandache's Podaire theorem,* Smarandache Notions J., **13**(2002), no. 1-2-3, pp. 16-17. [Ref. Jurn. 04.02-13A.638]

340. *On a dual of the Pseudo-Smarandache function,* ibid, pp. 18-23. [MR 1933242]

341. *On a generalized bisector theorem,* ibid, pp. 197-198. [Ref. Jurn. 04.02-13A.639]

342. *On a additive analogue of the function S,* ibid, pp. 266-270. [Ref. Jurn. 04.12-13A.114], [MR 1933270]

343. *The Möbius function: generalizations and extensions* (with A. Bege), Adv. Stud. Contemp. Math., **6**(2003), no.2, 77-128. [MR 1962765]

344. *János Bolyai's arithmetic problem and its extensions* (with E. Kiss), Octogon M.M. **10**(2002), no.2, 575-578 [Ref. Jurn. 04.05-13A.152]

345. *On certain means of two arguments and their extensions* (with E. Neuman), Intern. J. Math. Math. Sci., **27**(2003), 981-993. [MR 1976087]

346. *On certain infinite-dimensional optimization problems, I.* (with J. Kolumbán), Adv. Nonl. Var. Ineq., **6**(2003), no.2, 1-21. [MR 1978390]

347. *János Bolyai's arithmetic problem and its extensions* (with E. Kiss), Octogon M.M. **10**(2002), no.2, 575-578. [Ref. Jurn. 04.05-13A.152]

348. *Recent advances in triangle inequalities II*, (with D.M. Milosević), ibid., 681-685. [Ref. Jurn. 04.02-13A.641]

349. *On Emmerich's inequality, II*, ibid., 729-731. [Ref. Jurn. 04.02-13A.642]

350. *The area of a Pythagorean triangle, as a perfect power*, ibid., 721-724.

351. *On certain constants in the geometry of equilateral triangle*, ibid., 759-762. [Ref. Jurn. 04.02-13A.643]

352. *On certain inequalities for σ_k*, ibid., 746-749.

353. *The Diophantine equation $x^n + y^n = x^p y^q z$*, ibid., 710-711.

354. *On certain inequalities for the number e*, ibid., 852-854.

355. *On certain questions of priority in the theory of geometric inequalities*, ibid., 869-873. [Ref. Jurn. 04.02-13A.688]

356. *On a conjecture of Smarandache on prime numbers*, Smarandache N.J. **11**(2000), 136.

357. *On certain new geometric inequalities* (Hungarian), Erdélyi Mat. Lapok **5**(2003), no.1, 22-27.

358. *Some new inequalities for convex functions* (Hungarian), Erdélyi Mat. Lapok, ibid., 29-34.

359. *On a property of the Gamma function*, Octogon M.M. **11**(2003), no.1, 108-109. [Ref. Jurn. 04.06-13B.42]

360. *On an exponential inequality*, ibid., 221-222. [Ref. Jurn. 04.04-13B.5]

361. *On certain equations involving the arithmetic functions φ, σ, ψ*, ibid., 234-235. [Ref. Jurn. 04.01-13A.235]

362. *On a sequence involving the Gamma function*, ibid., 235-236. [Ref. Jurn. 04.06-13B.35]

363. *On Olivier's criterion*, ibid., 236-238. [Ref. Jurn. 04.02-13B.42]

364. *On certain inequalities for the number e, II*, ibid., 241-243. [Ref. Jurn. 04.06-13B.10]

365. *On a limit involving the Euler Beta-function*, ibid., 251-252. [Ref. Jurn. 04.06-13B.43]

366. *On certain limits related to the number e*, ibid., 261-262. [Ref. Jurn. 04.06-13B.1]

367. *On a limit involving the Euler Gamma-function*, ibid., 262-264. [Ref. Jurn. 04.06-13B.2]

368. *On the Diophantine equation $\frac{1}{x_1} + \ldots + \frac{1}{x_n} = \frac{a}{b}$*, ibid., 272-274. [Ref. Jurn. 04.01-13A.283]

369. *On a divisibility problem*, ibid., 244-245. [Ref. Jurn. 04.02-13A.174]

370. *On the Open Problem OQ.811*, ibid., 225. [Ref. Jurn. 04.02-13B.34]

371. *On the Open Problem OQ.818*, ibid., 227-228. [Ref. Jurn. 04.02-13B.37]

372. *On the Open Problem OQ.860*, ibid., 229. [Ref. Jurn. 04.02-13B.38]

373. *On the Open Problem OQ.863*, ibid., 230. [Ref. Jurn. 04.02-13B.39]

374. *On the Open Problem OQ.865*, ibid., 231. [Ref. Jurn. 04.02-13B.40]

375. *On certain inequalities for the logarithmic and identric means*, ibid., 238-239. [Ref. Jurn. 04.06-13B.5]

376. *On the Open Problem OQ.994*, ibid., 252-253. [Ref. Jurn. 04.02-13B.45]

377. *On the Open Problem OQ.1023*, ibid., 256-257. [Ref. Jurn. 04.04-13B.31]

378. *On OQ.1024*, ibid., 257-258. [Ref. Jurn. 04.04-13B.32]

379. *On the Open Problem OQ.1048*, ibid., 260-261.

380. *On OQ.1042, OQ.1039, OQ.1040, and OQ.1041*, ibid., 259. [Ref. Jurn. 04.04-13B.34]

381. *On the Open Problem OQ.1061*, ibid., 264-265. [Ref. Jurn. 04.02-13B.47]

382. *On the Open Problems OQ.1062, OQ.1063, OQ.1064*, ibid., 265-266. [Ref. Jurn. 04.04-13B.35]

383. *On OQ.1067*, ibid., 266-267. [Ref. Jurn. 04.04-13B.36]

384. *On OQ.1118*, ibid., 271. [Ref. Jurn. 04.01-13A.247]

385. *On OQ.1132*, ibid., 275-276. [Ref. Jurn. 04.02-13A.175]

386. *A generalization of Bereznai's theorem*, Octogon M.M. **11**(2003), no.2, 480-482.

387. *On Karamata's and Leach-Sholander's theorems*, ibid., 542-544.

388. *On an inequality of Alzer, II*, ibid., 554-555.

389. *A historical note on Pillai's arithmetical function*, ibid., 564-565. [Ref. Jurn. 04.09-13A.164]

390. *The star function of an arithmetic function*, ibid., 580-583.

391. *On an inequality of Moree*, ibid., 534-536. [Ref. Jurn. 04.10-13A.141]

392. *On OQ.1184*, ibid., 717. [Ref. Jurn. 04.09-13A.165]

393. *On OQ.1188*, ibid., 718-719. [Ref. Jurn. 04.09-13A.145]

394. *On OQ.1241*, ibid., 730-731. [Ref. Jurn. 04.09-13A.186]

395. *On OQ.1243*, ibid., 731-732.

396. *On certain classes of generalized convex functions with applications, II*, Studia Univ. Babeş-Bolyai, Math., XLVIII, 2003, no.1, 109-118. [MR 2166604]

397. *On additive analogues of certain arithmetic functions*, Notes Numb. Th. Discr. Math. **9**(2003), no.2, 29-32. [MR 2020094], [Ref. Jurn. 04.12-13A.115]

398. *The product of divisors minimum and maximum functions*, RGMIA Research Report Collection, **7**(2004), no.2, art.18.

399. *Corrigendum: On the irrationality of some alternating series*, (with J. Sondow), Studia Univ. Babeş-Bolyai, Math., XLIX, 2004, no.1, 105-106. [MR 2140520]. [Zbl pre 02201849]

400. *On multiplicatively e-perfect numbers*, JIPAM, **5**(2004), no.4, art.114. [MR 2112467], [Zbl pre 02218517]

401. *Generalization of a theorem of Lucas*, Octogon M.M. **12**(2004), no.1, 59-61.

402. *On duals of the Smarandache simple function*, ibid., 161-164.

403. *On certain inequalities in a tetrahedron*, ibid., 236-239.

404. *On certain properties of $d(n)$*, ibid., 249-251.

405. *On completely d-perfect numbers*, ibid., 257-259, for II, see **12**(2004), no.2A, 749-750.

406. *A note on the divisor minimum function*, ibid., 273-275.

407. *On Ruzsa's lovely pairs*, ibid., 287-289.

408. *On certain arithmetic inequalities*, ibid., 293-295.

409. *On an arithmetic functional equation*, ibid., 296-298.

410. *On certain open problems considered by A. Murthy*, ibid., 298-300.

411. *On OQ.1274*, ibid., 289.

412. *On OQ.1275*, ibid., 290.

413. *On OQ.1322*, ibid., 300-301.

414. *Niels Henrik Abel, and mathematical notions due to him, or connected with his work*, ibid., 310-312.

415. *On the Schwab-Borchardt mean*, (with E. Neuman), Math. Pannonica **14**(2003), no.2, 253-266. [MR 2079318], [Zbl 1053.26015]

416. *On a congruence by János Bolyai, connected with pseudoprimes* (with E. Kiss), Math. Pannonica, **15**(2004), no.2, 283-288. [MR 2098682], [Zbl 1064.11002]

417. *On a modification of the Smarandache function*, Octogon M.M., **12**(2004), no.2A, 521-523.

418. *On (f, g)-perfect numbers*, ibid., 539-542.

419. *A generalization of Ruzsa's theorem*, ibid., 620-621.

420. *Remarks on certain linear inequalities in a triangle*, ibid., 653-655.

421. *Variations on a problem by Smarandache*, ibid., 720-723.

422. *A note on abundant and deficient numbers*, ibid., 734-736.

423. *On the cotangent inequality of a triangle*, ibid., 728-740.

424. *On Harmonic triangles*, ibid., 743-744.

425. *On certain inequalities for square roots and n-th-roots*, ibid., 745-748.

426. *On Euler-pretty numbers*, ibid., 748-749.

427. *On a note on a Diophantine equation*, ibid., 750.

428. *On certain inequalities for the ratios of Gamma functions*, Octogon M.M. **12**(2004), no.2B, 1052-1054.

429. *On a generalization of the Erdös-Mordell inequality*, Octogon M.M. **12**(2004), no.2B, 1059-1060.

430. *On Lehman's inequality and electrical networks*, RGMIA Research Report Collection, **8**(1), Article 1, 2005.

431. *An additive analogue of the Euler minimum function*, Adv. Stud. Contemp. Math. **10**(2005), no.1, 53-62. [MR 2108685], [Zbl 1061.11006]

432. *On the Euler minimum and maximum functions*, RGMIA Research Report Collection, **8**(1), Article 15, 2005.

433. *The sum-of-divisors minimum and maximum functions*, RGMIA Research Report Collection, **8**(1), Article 20, 2005.

434. *The construction of some means* (with Gh. Toader and I. Raşa), General Mathematics (Sibiu), **4**(1996), no.1-4, 63-72.

435. *On the composition of some arithmetic functions, II*, RGMIA Research Report Collection, **8**(2), Article 8, 2005.

436. *On modified hyperperfect numbers* (with M. Bencze), RGMIA Research Report Collection, **8**(2), Article 5, 2005.

437. *Gewisse monotone, von konvexen Funktionen erzeugte Folgen*, Wurzel (Jena), **39**(2005), no.6, 118-122.

438. *On the geometry of equilateral triangles*, Forum Geometricorum, **5**(2005), 107-117. [MR 2195738]

439. *On arithmetic, geometric and harmonic polygons*, Octogon M.M. **13**(2005), no.1A, 183-185.

440. *Some inequalities for unitary arithmetic functions*, Octogon M.M. **13**(2005), no.1A, 188-190.

441. *On Meissner's arithmetic function*, Octogon M.M. **13**(2005), no.1A, 192-194.

442. *On certain logarithmic means*, ibid. **13**(2005), no.1A, 209-212.

443. *On the Diophantine equation* $\dfrac{1}{x} + \dfrac{1}{y} = \dfrac{1}{z} + \dfrac{1}{t}$, ibid., 1A, 216-217.

444. *On multiplicatively lovely pairs*, ibid., 218-220.

445. *On a sequence of abundant numbers*, ibid., 312-313.

446. *On Wolstenholme's inequality*, ibid., 315-318. [Ref. Jurn. 06.03-13B.2]

447. *On certain limits involving the Euler constants e and γ*, ibid., 358-361. [Ref. Jurn. 06.03-13B.29]

448. *On certain notes in recent issues of Octogon Mathematical Magazine*, ibid., 362-365.

449. *Some generalizations of the Bolyai-Jeans theorem*, (with E. Kiss), ibid., 367-370.

450. *On certain problems of the journal Crux-Mathematicorum*, ibid., 377-378. [Ref. Jurn. 06.03-13B.4]

451. *On Child's inequality*, ibid., 392-393. [Ref. Jurn. 06.03-13A.559]

452. *A generalized Pythagoras theorem*, ibid., 397-398. [Ref. Jurn. 06.03-13A.560]

453. *On a geometric inequality of Toshio-Seimiya*, ibid., 398-399. [Ref. Jurn. 06.03-13A.592]

454. *On certain geometric inequalities*, ibid., 401-402. [Ref. Jurn. 06.03-13A.593]

455. *On an arithmetic problem by Traian Lalescu, and Lehmer means*, ibid., 402-403.

456. *A note on the Jordan and Kober inequalities*, ibid., 404. [Ref. Jurn. 06.03-13B.5]

457. *On certain inequalities for the medians of a triangle*, ibid., 404-406.

458. *On the concavity of $\frac{\sin x}{x}$*, 406-407. [Ref. Jurn. 06.03-13B.6]

459. *The Diophantine equation $\frac{1}{x_1} + \ldots + \frac{1}{x_n} = n - 2$*, ibid., 407-408.

460. *On an algebraic inequality*, ibid., 409-410. [Ref. Jurn. 06.03-13B.7]

461. *On certain open problems considered by A. Murthy*, II, Octogon M. M. **13**(2005), no.1B, 894-896.

462. *A note on certain inequalities for the σ-function*, ibid., 898-899.

463. *On OQ.1395, or certain inequalities for the d-function*, ibid., 901.

464. *On OQ.1397*, ibid., 903.

465. *On OQ.1428*, ibid., 905-906.

466. *On certain bounds for the sequence* $\left\{ \left(1 + \dfrac{1}{n} \right)^{n+a} \right\}$, ibid., 906-907. [Ref. Jurn. 06.03-13B.31]

467. *On OQ.1492, or on symmetric, homogeneous and concave functions*, ibid., 913-914. [Ref. Jurn. 06.03-13B.10]

468. *On Lucas partitions*, ibid., 918-919.

469. *On OQ.1594, or a system of arithmetic inequalities*, ibid., 920-921.

470. *Abundant and deficient numbers in progressions*, ibid., 925-926.

471. *On inequalities of type* $\dfrac{1}{n} \sum\limits_{k=1}^{n} G_k \leq \sqrt[n]{\prod\limits_{k=1}^{n} A_k}$, ibid., 929-930. [Ref. Jurn. 06.03-13B.13]

472. *On OQ.1647, or on certain bounds in convex polygons*, ibid., 932.

473. *On the Ky Fan inequality and related inequalities, II*, (with E. Neuman), Bull. Austral. Math. Soc. **72**(2005), 87-107. [MR 2162296], [Zbl 1086.26014]

474. *A note on certain inequalities for the Gamma function*, J. Ineq. Pure Appl. Math. **6**(2005), no.3, art.61 (electronic). [MR 2164302], [Zbl 1088.33003]

475. *On the composition of some arithmetic functions, II*, J. Ineq. Pure Appl. Math. **6**(2005), no.2, art.73 (electronic). [MR 2164314], [Zbl pre 02218590]

476. *A note on exponential divisors and related arithmetic functions*, Scientia Magna **1**(2005), no.1, 105-110. [MR 2245494]

477. *On the Schwab-Borchardt mean, II*, (with E. Neuman), Math. Pannonica **17**(2006), no.1, 49-59. [MR 2215640], [Zbl pre 05037562]

478. *A note on the Gini means*, General Mathematics **12**(2004), no.4, 17-21. [MR 2231577], [Zbl pre 050036135]

479. *On Huygens' trigonometric inequality*, (with M. Bencze), RGMIA **8**(2005), no.3, art.14.

480. *On certain Diophantine equations in the work of J. Bolyai* (Hungarian), (with E. Kiss), Mat. Lapok, Cluj, **8**(2005), 290-291.

481. *Generalizations of Lehman's inequality*, Soochow J. Math. **32**(2006), no.2, 301-309. [MR 2238770]

482. *The unitary totient minimum and maximum function*, Studia Univ. Babeş-Bolyai, Math., **50**(2005), no.2, 91-100. [MR 2245494]

483. *On some exponential means, II*, (with Gh. Toader), Intern. J. Math. Math. Sci., volume 2006, Article ID 1937, Pages 1-9.

484. *On completely f-perfect numbers*, Scientia Magna, **1**(2005), no.2, 116-119. [Zbl pre 05008783]

485. *The Smarandache minimum and maximum functions*, Scientia Magna, **1**(2005), no.2, 162-166. [Zbl pre 05008791]

486. *An improvement of the Harmonic-Geometric inequality* (with M. Bencze), RGMIA **8**(2005), no.4, article 15.

487. *On an inequality of Kodokostas*, RGMIA **8**(2005), no.4, article 3.

488. *On the monotonicity of the sequence σ_k/σ_k^**, RGMIA **8**(2005), no.4, article 10, see also Octogon Math. Mag. **15**(2007), no.1, 175-178.

489. *On bi-unitary harmonic numbers*, RGMIA **9**(2006), no.1, article 1.

490. *On an inequality of Klamkin*, RGMIA **9**(2006), no.1, article 6.

491. *On certain inequalities for the Gamma function*, RGMIA **9**(2006), no.1, article 11.

492. *Inequalities for general integral means* (with Gh. Toader), J. Ineq. Pure Appl. Math. **7**(2006), no.1, article 13. [MR 2217176]

493. *About one inequality* (with M. Bencze), Octogon Math. Mag. **13**(2005), no.2, 1051-1053.

494. *On certain inequality by Visschers*, ibid., 1053-1054.

495. *On a proof of the Erdös-Mordell inequality*, ibid., 1063-1065.

496. *Remarks on certain linear inequalities in a triangle*, II, ibid., 1093.

497. *On certain new means and their Ky Fan type inequalities*, Southest Asian Bull. Math. **30**(2006), no.1, 99-106. [MR 2213805]

498. *A refinement of $G_n + G'_n \leq 1$* (with M. Bencze), Octogon Math. Mag. **14**(2006), no.1, 16-21.

499. *On a method of Steiner* (with M. Bencze), ibid., 97-100.

500. *On a problem of the William Lowell Putnam Competition* (with M. Bencze), ibid., 100-108.

501. *A new prime-valued arithmetic function*, ibid., 174-177.

502. *On the sum of k products of divisors of n*, ibid., 185.

503. *A double-inequality for Euler's totient*, ibid., 195-196.

504. *On a problem of the fifty-seventh W.L. Putnam Mathematical Competition*, ibid., 203-205.

505. *On the Cesàro integral mean*, ibid., 211-212.

506. *On obtuse angled triangles*, ibid., 217-219.

507. *On a geometric inequality of Grozdev and Doichev*, ibid., 222-227.

508. *On Emmerich's inequality, III*, ibid., 233-234.

509. *On Emmerich's inequality in right tetrahedrons*, ibid., 237-239.

510. *A property of an exponential mean* (with Gh. Toader), ibid., 253.

511. *A chain of inequalities*, ibid., 263-264.

512. *On a geometric inequality of Schaumberger*, ibid., 280-281.

513. *An improvement of the Harmonic-Geometric inequality* (with M. Bencze), ibid., 125-126.

514. *On Huygens' trigonometric inequality* (with M. Bencze), ibid., 82-85.

515. *On modified hyperperfect numbers* (with M. Bencze), ibid. 109-113.

516. *On OQ. 1687, or an application of E-B-K theorem*, ibid., 436.

517. *On OQ. 1691 related to some identities in a symplex*, ibid., 437.

518. *On OQ. 1705, or a diophantine problem in geometry*, ibid., 437-438.

519. *On OQ. 1706, or the medians of a triangle*, ibid., 438-439.

520. *On OQ. 1720 related to a general convergence theorem*, ibid., 442.

521. *On OQ. 1725, or the convergence of $\sum \ln(1 - f(p_n))$, p_n the nth prime*, ibid., 443-444.

522. *Remarks on OQ. 1745 and OQ. 1746*, ibid., 445-446.

523. *On a conjecture of Miliakos*, ibid., 450-451.

524. *A sum equal to a product*, ibid., 453.

525. *On OQ. 1774, or the product of divisors of n! as a power*, ibid., 453-454.

526. *On OQ. 1813-1815, or the natural, rational, or irrational values of the Gamma function*, ibid., 454-455.

527. *On OQ. 1816-1818 on the integer, rational and irrational values at sums of rationals, of the Gamma function*, ibid., 456.

528. *An extension of k-perfect numbers*, RGMIA **9**(2006), no.4, art.7.

529. *On an inequality of Alzer for negative powers*, RGMIA **9**(2006), no.4, article 4.

530. *On OQ 873 and OQ. 874*, Octogon M.M. **11**(2003), no.1, 232 [Ref. Jurn. 04.01-13A.234].

531. *On OQ. 1137*, Octogon M.M. **11**(2003), no.1, 276-277 [Ref. Jurn. 04.01-13A.236].

532. *On the Open Problems OQ. 947, OQ. 948, OQ. 949*, Octogon M.M. **11**(2003), no.1, 240-241 [Ref. Jurn. 04.02-13A.173].

533. *On OQ. 809*, ibid., 224 [Ref. Jurn. 04.02-13B.33].

534. *On OQ. 812*, ibid., 226 [Ref. Jurn. 04.02-13B.35].

535. *On OQ. 813*, ibid., 226-227 [Ref. Jurn. 04.02-13B.36].

536. *On OQ. 896*, ibid., 233 [Ref. Jurn. 04.02-13B.41].

537. *On OQ. 976*, ibid. [Ref. Jurn. 04.02-13B.43].

538. *On the Open Problem OQ. 1048*, ibid., 260-261 [Ref. Jurn. 04.02-13B.46].

539. *On OQ. 1115*, ibid., 270 [Ref. Jurn. 04.02-13B.48].

540. *On the Open Problem 1121*, Octogon M.M. **11**(2003), no.1, 274 [Ref. Jurn. 04.02-13B.11].

541. *On the Open Problem 961*, ibid., 243 [Ref. Jurn. 04.02-13B.14].

542. *On OQ. 1074 and OQ. 1076*, ibid., 267 [Ref. Jurn. 04.02-13B.15].

543. *On OQ. 1077*, ibid., 268 [Ref. Jurn. 04.02-13B.19].

544. *On the Open Problems OQ. 936, OQ. 939, OQ. 945, OQ. 946*, ibid., 239-240 [Ref. Jurn. 04.02-13B.25].

545. *On OQ. 979*, ibid. 249 [Ref. Jurn. 04.02-13B.26].

546. *On OQ. 981*, ibid., 249-250 [Ref. Jurn. 04.02-13B.27].

547. *On the open problem OQ. 982*, ibid., 250 [Ref. Jurn. 04.02-13B.28].

548. *On OQ. 1126*, ibid., 275 [Ref. Jurn. 04.05-13A.114].

549. *On OQ. 1000 and OQ. 1001*, ibid., 254 [Ref. Jurn. 04.04-13B.28].

550. *On OQ. 1007*, ibid. 255 [Ref. Jurn. 04.04-13B.29].

551. *On OQ. 1022*, ibid., 256 [Ref. Jurn. 04.04-13B.30].

552. *On OQ. 1026*, ibid., 258 [Ref. Jurn. 04.04-13B.33].

553. *On OQ. 1082 and OQ. 1083*, ibid. 269 [Ref. Jurn. 04.04-13B.37].

554. *On the Open Problem OQ. 588*, Octogon M.M. **9**(2001), no.2, 947-948 [Ref. Jurn. 04.06-13A.608].

555. *On OQ. 999*, Octogon M.M. **11**(2003), no.1, 253 [Ref. Jurn. 04.06-13B.36].

556. *On OQ. 1153*, ibid., no.2, 712 [Ref. Jurn. 04.09-13A.143].

557. *On OQ. 1179*, ibid., 712-713 [Ref. Jurn. 04.09-13A.144].

558. *On OQ. 1190*, ibid., 719 [Ref. Jurn. 04.09-13A.146].

559. *On even and odd divisors of a number* (with E. Egri), Octogon Math. Mag. **14**(2006), no.2, 529-534.

560. *On the equation $\varphi(m + n) = \varphi(m) + \varphi(n)$* (with L. Kovács), ibid., 539-545.

561. *On the number and sum of squarefree integers $\leq x$*, ibid., 576-579.

562. *On some inequalities of Dusart and Panaitopol on the function $\pi(x)$*, ibid., 592-594.

563. *Some inequalities for the elements of a triangle, II* (with D.M. Milosević), ibid., 636-639.

564. *A remark on a nice inequality* (with M. Bencze), ibid., 640-642.

565. *On certain conjectures on classical means*, ibid., 643-645.

566. *On sums or differences of perfect powers in* $(p_1 p_2 \ldots p_n)$, ibid., 648-649.

567. *Perfect powers in geometric and arithmetic progressions*, ibid., 653-654.

568. *On an open question involving the number e*, ibid., 658-659.

569. *A note on two sequences of real numbers* (with S. Török), ibid., 665-669.

570. *A note on an algebraic inequality* (with M. Bencze), ibid., 671-672.

571. *The diophantine equation* $x^6 + y^6 + 3x^2y^2z^2 = z^6$, ibid., 674.

572. *On the diophantine equation* $x^3y^3 + x^3z^3 + y^3z^3 = 3x^2y^2z^2$, ibid., 675-676.

573. *A note on a refinement of the arithmetic-harmonic inequality* (with M. Bencze), ibid., 677-679.

574. *On* (f, g)*-perfect numbers, II*, ibid., 679-681.

575. *Remark on certain inequalities for means*, ibid., p. 682.

576. *On a problem of I. Velescu on Euler's totient*, ibid., 685-686.

577. *On* $\pi^2(m + n) \geq \pi^2(m) + \pi^2(n)$, ibid., 693-694.

578. *A monotonicity result for the gamma function*, ibid., 694-695.

579. *On multiplicatively harmonic numbers*, ibid., 695-696.

580. *The diophantine equation* $x^6 + y^6 + 6x^2y^2z^2 = 8z^6$, ibid., 696-697.

581. *Note on an exponential inequality*, ibid., 697-698.

582. *On comparisons of certain integral inequalities*, ibid., 698-699.

583. *On generalized refinements of the Chapple-Euler inequality* (with M. Bencze), ibid., 699-701.

584. *On square deficiency of a number*, ibid., 702-703.

585. *An inequality for the simedian and angle bysector of a triangle*, ibid., 704.

586. *Remark on estimates for the number e*, ibid., 705-706.

587. *About the convexity of $\cos x^{\alpha}$*, ibid., 707.

588. *An equation with fractional parts*, ibid., 886-887.

589. *On perfect powers in arithmetic progressions*, ibid., 887-888.

590. *The diophantine equation $x^2 - y^2 = z^3$*, ibid., 888-889.

591. *The diophantine equation $(x+1)(y+1)(z+1) = t^6$*, ibid., 889-890.

592. *The diophantine equation $x^2 + y^2 = z^2 + t^2$*, ibid., 891-892.

593. *On a system of exponential equations*, ibid., 893-894.

594. *The diophantine equation $x_1 x_2 \ldots x_n = y_1 y_2 \ldots y_m$*, ibid., 894-895.

595. *On OQ. 1983*, ibid., 895-896.

596. *On OQ. 2017*, ibid., 897.

597. *A note on the diophantine equation $T(n) = 2T(r)$*, ibid., 898-899.

598. *On limits of $\sqrt[n+1]{a_{n+1}} - \sqrt[n]{a_n}$, where a_n is the nth partial sum of arithmetic functions*, ibid., 899-900.

599. *On OQ. 2089*, ibid., 900-901.

600. *On the diophantine equation $a!b! = c!$*, ibid., 901-902.

601. *On diophantine equation $x^2 + xy + y^2 = z^2$*, ibid., 909-910.

602. *On the equation $\dfrac{4}{x!} = \dfrac{1}{y!} + \dfrac{1}{z!} + \dfrac{1}{t!}$* (with M. Bencze), ibid., 912-913.

603. *On OQ. 2122*, ibid., 914.

604. *On the equation $\dfrac{a}{d(n)} = \dfrac{1}{\varphi(n)} + \dfrac{1}{\sigma(n)} + \dfrac{1}{\psi(n)}$*, ibid., 914-916.

605. *On the equations $\dfrac{4}{a} = \dfrac{1}{x} + \dfrac{1}{y} + \dfrac{1}{z}$, where $a = \psi(n)$ or $a = \sigma(n)$*, ibid., 916-917.

606. *On the equation $\dfrac{4}{d(n)} = \dfrac{1}{x} + \dfrac{1}{y} + \dfrac{1}{z}$*, ibid., 917-918.

607. *On the equation $\dfrac{4}{\varphi(n)} = \dfrac{1}{x} + \dfrac{1}{y} + \dfrac{1}{z}$*, ibid., 918-919.

608. *On OQ. 2143, or a multiplicative inequality for the π-function*, ibid., 929-930.

609. *On non log-convexity and non log-concavity of the π-function*, ibid., 930-931.

610. *On $p_n^2 + p_{n+1}^2 > p_{n+2}^2$*, ibid., 931-932.

611. *On the inequality $p_n + p_{n+1} \geq p_{n+2}$*, ibid., 932-933.

612. *On the equation $p_n^2 + p_{n+1}^2 - p_{n+2}^2 = 1$*, ibid., 933-934.

613. *On OQ. 2151, or an equation involving consecutive primes*, ibid., 934.

614. *On the parity on $\varphi(n)$, $\sigma(n)$, $d(n)$ and $\psi(n)$*, ibid., 935-936.

615. *The diophantine system $a^2 - b^2 = c^2 - d^2 = e^2 - f^2$*, ibid., 937-938.

616. *On the sequence of general term $f(n) = \dfrac{\log 3}{\log 2} + \dfrac{\log 4}{\log 3} + \ldots + \dfrac{\log(n+1)}{\log n}$*, ibid., 938-939.

617. *On generalized Euler constants and Schlömilch-Lemonnier type inequalities*, J. Math. Anal. Appl. (online: July 2006), printed version: **328**(2007), no.2, 1336-1342.

618. *On certain inequalities for the Smarandache function*, Scientia Magna, **2**(2006), no.2, 78-80.

619. *On exponentially harmonic numbers*, Scientia Magna **2**(2006), no.3, 44-47.

620. *The work of Gyula Vályi in Number Theory* (Hungarian), Polygon (Szeged), **15**(2006), no.1, 17-25.

621. *Monotonic convergence to e via the arithmetic-geometric mean*, Math. Mag. **80**(2007), no.3, 228-229.

622. *On certain special functions of Number Theory and Mathematical analysis*, in: P. Cerone and S.S. Dragomir, Advances in Inequalities for special functions, pp. 161-179, Nova Science Publishers, 2007.

623. *A note on f-minimum functions*, RGMIA, **10**(2007), no.2, article no.10.

624. *Arithmetic functions in algebra, geometry and analysis* (with E. Egri), Adv. Stud. Contemp. Math., **14**(2007), no.2, 161-213.

625. *On some arithmetic and real variable functions* (with D.D. Somashekara and D. Mamta), Octogon Math. Mag., **15**(2007), no.1, 63-73.

626. *On certain new Ky Fan type inequalities for means* (with M. Bencze), ibid., 151-156.

627. *On an unpublished convergence criterion of N.H. Abel* (with H.K. Sørensen), ibid., 164-168.

628. *On certain diophantine equations suggested by a geometric property* (with M. Bencze), ibid., 178-182.

629. *On two inequalities for the arctangent function* (with M. Bencze), ibid., 202-206.

630. *On refinements of certain geometric inequalities*, ibid., 206-211.

631. *An approximation for $\sqrt[n]{a}$*, ibid., 218-222.

632. *On almost and quasi $\varphi, \sigma, \psi, \sigma^*$-lovely pairs*, ibid., 226-228.

633. *About an inequality* (with M. Bencze), ibid., 235-238.

634. *On an inequality of Alzer, III*, ibid., 242-245.

635. *On S-abundant and deficient numbers*, ibid., 254-256.

636. *About some special identities* (with M. Bencze), ibid., 250-254.

637. *About some identities* (with M. Bencze), 265-267.

638. *On diophantine equation* $(a^b \cdot b^a)^{2/(a+b)} = c$, ibid., 274-276.

639. *An application of Gauss' quadrature formula* (with M. Bencze), ibid., 276-279.

640. *On a problem of the journal Mathematics Magazine*, ibid., 279-280.

641. *On certain limits for arithmetical functions*, ibid., 280-282.

642. *A Raabe-type theorem for series of positive terms*, ibid., 284-285.

643. *A note on an inequality for the Smarandache functions*, ibid., 286.

644. *On the inequality $b + c \le a\sqrt{2}$ in an obtuse-angled triangle*, ibid., 288.

645. *On inequalities for* $\sum\limits_{k=1}^{n} \sigma(k)$, ibid., 505-508.

646. *On* $\varphi\left(\sum\limits_{k=1}^{n} \sigma(k)\right)$, ibid., 508-509.

647. *On* $\varphi\left(\sum\limits_{k=1}^{n} \psi(k)\right)$, (with M. Bencze), ibid., 510-511.

648. *On* $\psi\left(\sum\limits_{k=1}^{n} \varphi(k)\right)$, ibid., 512-513.

649. *On inequality* $\pi\left(\dfrac{n(n+1)}{2}x\right) \le \sum\limits_{k=1}^{n} \pi(kx)$, ibid., 513-515.

650. *On the arithmetical function* $\varphi(\psi(\varphi(\psi(n))))$, ibid., 519-521.

651. *On* $\psi(n)/\varphi(n) \le 3^{\omega(n)}$, ibid., 521-522.

652. *On inequality* $\varphi(\psi(a) + \psi(b)) \le a + b$, ibid., 522-523.

654. *On comparison of $\varphi(\psi(n) + n)$ and $\psi(\varphi(n) + n)$*, ibid., 525-527.

655. *On certain inequalities and conjectures for the functions σ and ψ*, ibid., 527-528.

656. *On OQ. 2282, or certain inequalities for $\sigma(\psi(n)) + \psi(\sigma(n))$*, ibid., 529.

657. *On $L \leq M_{1/\alpha} \leq I$ for $\alpha \geq 2$*, ibid., 530.

658. *On OQ. 2293*, ibid., 532-533.

659. *On a limit based on Euler's gamma function*, ibid., 534-535.

660. *On inequality $\sum m_a \leq 4R + r$ in a triangle*, ibid., 535-536.

661. *On abundant numbers in progressions*, ibid., 537-538.

662. *On OQ. 2326*, ibid., 538-539.

663. *On OQ. 2327, or on an inequality for the σ-function*, ibid., 539.

664. *On OQ. 2328*, (with M. Bencze), ibid., 540.

665. *On OQ. 2254*, ibid., 516.

666. *Notes on certain inequalities by Hölder, Lewent and Ky Fan* (with M.V. Jovanović and T.K. Pogány), J. Math. Ineq., **1**(2007), no.1, 53-55.

667. *A note on inequalities due to Martins, Bennett and Alzer*, Australian J. Math. Anal. Appl., **4**(2007), no.2, article 7, pp.1-5 (electronic).

668. *A bibliography of gamma functions and related topics* (with M. Merkle), http://www.milanmerkle.com

669. *On a problem of Nicol and Zhang* (with F. Luca), J. Number Theory (2007); doi: 10.1016/j.int.2007.03.012 (electronic); printed version **128**(2008), no. 4, 1044-1059.

670. *On the Schur convexity of the Stolarsky and Gini means*, Banach J. Math. Anal., **1**(2007), no. 2, 212-215 (electronic).

671. *On (m, n)-super-perfect numbers* (with K.T. Atanassov), Advanced Stud. Contemp. Math., **16**(2008), no. 1, 23-30.

672. *On generalizations of the Hadamard integral inequalities*, Octogon Math. Mag., **15**(2007), no. 2, 645-646.

673. *On $\sin x/x$*, ibid., 675-677.

674. *On the equation $\sigma\left(\left[\dfrac{x+y}{2}\right]\right) = \left[\dfrac{\sigma(x)+\sigma(y)}{2}\right]$*, ibid., 732-734.

675. *About integral inequalities* (with M. Bencze), ibid., 756-758.

676. *On diophantine equation $\dfrac{a}{b} + \dfrac{A}{B} = \dfrac{a+A}{b+B}$*, ibid., 788-789.

677. *A double inequality for the exponential function, with application in prime number theory*, ibid., 797-798.

678. *On an inequality of Chrystal*, ibid., 809-810.

679. *Arithmetical and harmonical progression of $d(n)$, $\psi(n)$ and $\sigma(n)$*, ibid., 828-829.

680. *On the series $\sum\limits_{n \geq 1} 1/nP(n)$*, ibid., 835-836.

681. *The diophantine equation $x^2 + 2y^2 = 3z^2$*, ibid., 850-851.

682. *On the equations $\sigma(n) = [n + \sqrt{n}]$ and $\psi(n) = [n + \sqrt{n}]$*, ibid., 857-858.

683. *An equation characterizing the twin primes*, ibid., 863.

684. *Remark on a paper on the best approximation for constant e*, ibid., 868.

685. *On Popoviciu's inequality for the Euler totient function*, ibid., 875.

686. *On a note by Diana Savin*, ibid., 878.

687. *On $\varphi(\sigma(n)) + \sigma(\varphi(n))$*, ibid., 881-882.

688. *On equation $\sigma(\varphi(n)) = n - 1$*, ibid., 884-885.

689. *A property of 28*, ibid., 887-888.

690. *On $\sigma(\sigma(n)) + \varphi(\varphi(n))$*, ibid., 889-890.

691. *On $\varphi(\sigma(n)) + \varphi(\varphi(n))$*, ibid., 892-893.

692. *On the equation $\sigma(n) = 2n - 1$*, Octogon Math. Mag., **15**(2007), no. 2B, 1255.

693. *On the equation $\psi(n) = 3n - 1$*, ibid., 1256-1257.

694. *Geometrical progression of $d(n)$, $\psi(n)$ and $\sigma(n)$*, ibid., 1259-1260.

695. *On equations of type $\sigma(\psi(n)) = an^2 + bn + c$*, ibid., 1262-1263.

696. *On equation $k\sigma(n) = (k + 1)n + k - 1$*, ibid., 1265-1266.

697. *On OQ. 2433*, ibid., 1288.

698. *On OQ. 2438*, ibid., 1289.

699. *On $\psi\left(\sum_{k=1}^{n} \sigma(k)\right)$*, ibid., 1289-1290.

700. *On OQ. 2441 and OQ. 2442*, ibid., 1294-1295.

701. *On OQ. 2387*, ibid., 1274-1275.

702. *A note on certain Euler-Mascheroni type sequences*, Scientia Magna, **4**(2008), no. 1, 60-62.

703. *On some congruences for primality*, Adv. Stud. Contemp. Math., **16**(2008), no. 2, 235-244.

704. *Q-norm inequalities for sequences of Hilbert space operators* (with S.S. Dragomir and M.S. Moslehian), RGMIA, **11**(2008), no. 2, article 1 (pp. 1-16), electronic.

705. *On two conjectures by K. Kashihara on prime numbers*, Scientia Magna, **4**(2008), no. 2, 65-67.

706. *A note on some integral inequalities* (with J. Pečarić), Octogon Math. Mag., **16**(2008), no. 1A, 141-143.

707. *A note on the arithmetical functions $d(n)$ and $\sigma(n)$* (with L. Kovács), Octogon Math. Mag., **16**(2008), no. 1A, 270-274.

708. *On the inequalities $\sigma(n) > n + \sqrt{n}$ and $\sigma(n) > n + \sqrt{n} + \sqrt[3]{n}$*, ibid., 276-278.

709. *On almost $I - \varphi$ perfect numbers* (with F. Luca), ibid., 283-285.

710. *On the equation $\sigma_k(n)/d(n) = n^k/2$*, ibid., 288-290.

711. *On certain cases of insolvability of the diophantine equation $ax^2 - by^2 = 1$*, ibid., 291-293.

712. *On the inequality $\sigma(n) < \dfrac{\pi^2}{6}\psi(n)$*, ibid., 295-296.

713. *On the equation $f(\sigma(n)) = g(d(n))$*, ibid., 315-316.

714. *A note on inequalities for the internal angle-bisectors and other elements of a triangle*, (with D.M. Milosević), ibid., 317-319.

715. *On inequality $\varphi(n) \geq S(n)$*, ibid., 319-320.

716. *On Popoviciu type inequalities for ψ and σ functions*, ibid., 320-322.

717. *On the equation $S(x) = \left[\dfrac{S(xy)}{y}\right]$*, ibid., 354-355.

718. *On $\sigma(n+1) - 2\psi(n)$ and $\psi(n+1) - 2\sigma(n)$*, ibid., 367.

719. *On diophantine equation $(a^b \cdot b^a)^{2/(a+b)} = c$ (II)*, ibid., 385.

720. *The diophantine equation $x + y + 1 = xyz$*, Octogon Math. Mag., **16**(2008), no. 1B, 774-775.

721. *An equation involving ψ and the integer part*, ibid., 777.

722. *On the equation $\sigma(n + m) = 2\sigma\left(\left[\dfrac{n}{2}\right]\right) + 2\sigma\left(\left[\dfrac{m}{2}\right]\right)$*, ibid., 782-783.

723. *On diophantine equation* $(n+1)x^2 - ny^2 = -1$, ibid., 789-790.

724. *On inequality* $\sigma(n) > n + \sqrt{n} + \sqrt[3]{n} + \ldots + \sqrt[k]{n}$, ibid., 792-793.

725. *On the number of divisors of* $2^n \pm 1$, ibid., 795-796.

726. *On the equation* $\varphi \left(\sum_{k=1}^{n} \psi(k) \right) = \psi \left(\sum_{k=1}^{n} \varphi(k) \right)$, ibid., 779-780.

727. *On* $\sigma(d(n))$ *and* $d(\sigma(n))$, ibid., 802-803.

728. *On inequality* $\sigma(n^k) \geq n(n+1)\ldots(n+k-1)$, ibid., 807-809.

729. *On OQ. 2632*, ibid., 809-810.

730. *On OQ. 2634*, ibid., 814-815.

731. *An inequality involving a Dirichlet series and a ratio of zeta functions* (with M. Bencze), ibid., 817-819.

732. *Generalized Heronian means* (with E. Neuman), Math. Pannonica, **19**(2008), no. 1, 57-70.

733. *Extremal orders of compositions of certain arithmetic functions* (with L. Tóth), Integers: Electronic Journal of Comb. Numb. Th., **8**(2008) # A34 (pp. 1-14).

734. *Extensions of generalized Wilker inequality to Bessel functions* (with Á. Baricz), J. Math. Ineq., **3**(2008), 397-406.

735. *Inequalities for the ratios of certain bivariate means* (with E. Neuman), J. Math. Ineq., **3**(2008), 383-396.

736. *On a modification of perfect numbers* (with K. Atanassov), Advanced Stud. Contemp. Math., **17**(2008), no. 2, 249-255.

737. *A note on a generalization of Lehman's inequality* (with R. Oláh-Gál), RGMIA, **11**(2008), no. 4, article 8 (electronic).

738. *On the theorem of finite increments* (II), (Hungarian), Erdélyi Mat. Lapok, **9**(2008), no. 1-2, pp. 3-8.

739. *Q-norm inequalities for sequences of Hilbert space operators* (with M.S. Moslehian and S.S. Dragomir), J. Math. Ineq., **4**(2009), no. 1, 1-14.

740. *Companion inequalities for certain bivariate means* (with E. Neuman), Appl. Anal. Discrete Math., **3**(2009), no. 1, 46-51.

741. *On trigonometrical proofs of the Steiner-Lehmus theorem* (with R. Oláh-Gál), RGMIA Research Report Collection, **12**(2009), issue 1, article 12 [electronic].

742. *On certain inequalities for means in two variables*, JIPAM, **10**(2009), no. 2 [electronic].

743. *On multiplicatively σ-perfect numbers* (with L. Tóth), Octogon Math. Mag., **16**(2008), no. 2, 906-908.

744. *Some simple integral inequalities*, ibid., 925-933.

745. *On certain inequalities involving the Euler gamma and digamma functions* (with J. Pečarić), ibid., 946-948.

746. *On $S(n!+1)$, where S is the Smarandache function* (with F. Luca), ibid., 1024-1026.

747. *On inequality $\prod_{k=1}^{n} \sigma(\varphi(k)) < n!$*, ibid., 1031-1033.

748. *On the equation $m\varphi(k^n - 1) + n\varphi(k^m - 1) = mn\varphi(k)$*, ibid., 1034-1037.

749. *A note on the equation $S(d(n)) = d(S(n))$* (with F. Luca), ibid., 1038-1039.

750. *On the equation $\varphi\left(\left[\frac{1 + \sigma(x)}{2}\right]\right) = \frac{\varphi(\sigma(x))}{2}$*, ibid., 1045-1046.

751. *On a refinement of the Weitzenböck inequality*, ibid., 1047.

752. *On inequality $\varphi(n) \geq S(n)(2)$*. ibid., 1048.

753. *On $\varphi(\psi(n) + n)$ and $\psi(\varphi(n) + n)$*, ibid., 1246.

772. *On the equation* $\displaystyle\sum_{k=1}^{n} \varphi(km) = \frac{n(n+1)}{2}\varphi(m)$, ibid., 1286.

773. *On OQ. 2804*, ibid., 1287.

774. *On OQ. 2808*, ibid., 1287-1288.

775. *On OQ. 2812*, ibid., 1288.

776. *On elementary upper bounds for* $\displaystyle\sum_{k=1}^{n} \sigma(\varphi(k))$, ibid., 1289-1292.

777. *A note on the equation* $\varphi(k\sigma(n)) = (k+1)\varphi(n)$, ibid., 1294-1295.

778. *On the equation* $\sigma(2^k\sigma(n)) = 2^{k+1}\varphi(n)$, ibid., 1295-1296.

779. *On equation* $\displaystyle\sum_{k=1}^{n} \sigma(k) = \left[\frac{n(n+1)(2n+1)}{36}\right]$, ibid., 1296-1297.

780. *On the equation* $\sigma([\sqrt[k]{n}]) = [2\sqrt[k+1]{n\sqrt[k]{n}} + 1]$, ibid., 1298-1299.

781. *On the equation* $\sigma(n) = (k+1)n - k$, ibid., 1299-1300.

782. *On the equation* $\sigma(n) = (k+1)n + k$, ibid., 1300-1301.

783. *On the equation* $\psi(n) = 4n - 2$, ibid., 1301-1302.

784. *On the equation* $\psi(kn) = (k+2)n - k$ (with M. Bencze), ibid., 1302-1304.

785. *On the equation* $\sigma(kn) = (k+1)n - k$ (with Ilka Sándor), ibid., 1304-1306.

786. *On the equation* $\sigma(kn) = (k+1)n - k$, ibid., 1306.

787. *On OQ. 2840*, ibid., 1308-1309.

788. *On OQ. 2842*, ibid., 1311.

789. *On equation* $d(n)\sigma(n) + k = \psi^2(n)$, ibid., 1312.

790. *On the equation* $2\sigma(kn) = (\sigma(n))^k + (\sigma(k))^n$ (with M. Bencze), ibid., 1312-1313.

791. *On the equation* $\dfrac{\sigma(x)}{d(x)} = \dfrac{\sigma(y)}{d(y)}$ (with L. Kovács), ibid., 1313-1315.

792. *On OQ. 2854*, ibid., 1315.

793. *On perfect numbers which are m-multiplicatively perfect*, ibid., 1320.

794. *On the sequence of composite odd integers*, ibid., 1323-1325.

795. *On OQ. 2890*, ibid., 1331-1332.

796. *On OQ. 2891*, ibid., 1332-1333.

797. *On the best inequality of type $(\alpha + \beta)L \leq \alpha A + \beta G$ (with M. Bencze)*, ibid., 1333-1334.

798. *On diophantine equation $x^{(-1)^y} + y^{(-1)^z} = z^{(-1)^{x+y}}$ (with Róbert Oláh-Gál)*, ibid., 1334-1336.

799. *On OQ. 2902*, ibid., 1336-1337.

800. *On OQ. 2910*, ibid., 1337-1338.

801. *On OQ. 2917*, ibid., 1338-1339.

802. *An inequality related to Bernoulli's inequality*, ibid., 1339-1340.

803. *On OQ. 2945*, ibid., 1341.

804. *On OQ. 2946*, ibid., 1343.

805. *An inequality for the φ and ψ functions*, ibid., 1343-1344.

806. *On OQ. 2952*, ibid., 1345.

807. *On OQ. 2953*, ibid., 1345-1346.

808. *On OQ. 2954*, ibid., 1346-1347.

809. *On inequality $\sum_{k=1}^{6n} \frac{\sigma(k)}{\psi(k)} < 9n$ (with M. Bencze)*, ibid., 1347-1348.

810. *On OQ. 2961*, ibid., 1350-1351.

811. *On OQ. 3006*, ibid., 1351-1352.

812. *On OQ. 3007*, ibid., 1352-1353.

813. *On OQ. 3020*, ibid., 1353-1354.

814. *On OQ. 3022*, ibid., 1356-1357.

815. *On OQ. 3044*, ibid., 1361-1362.

816. *An extension of Hermite's identity*, ibid., 1362-1363.

817. *On an inequality of Henrici*, ibid., 1363-1364.

818. *On certain inequalities for means in two variables*, J. Ineq. Pure Appl. Math., **10**(2009), no. 2, art. 47 [electronic].

819. *On trigonometric proofs of the Steiner-Lehmus theorem* (with Róbert Gál-Oláh), Forum Geom., **9**(2009), 155-160 [electronic].

820. *On certain identities for means, III* (with E. Egri and R. Oláh-Gál), Adv. Stud. Contemp. Math., **19**(2009), no. 1, 109-122.

821. *On perfect numbers connected with the composition of arithmetic functions* (with L. Kovács), Acta Univ. Sapientiae, Math., **1**(2009), no. 2, 183-191.

822. *A note on certain Jordan type inequalities*, RGMIA Research Report Collection, **10**(2007), no. 1, art. 1.

823. *On Huygens' trigonometric inequality* (with M. Bencze), RGMIA Res. Rep. Coll., **8**(2005), no. 3, art. 14.

824. *The sum-of-divisors minimum and maximum functions*, Notes Number Th. Discr. Math., **11**(2005), no. 2, 1-8(2009).

825. *On two trigonometric inequalities* (Hungarian), Matlap, **12**(2009), no. 8, 294-295.

826. *On the Euler minimum and maximum functions*, Notes Numb. Th. Discrete Math., **15**(2009), no. 3, 1-8.

827. *On the monotonocity of the sequence* (σ_k/σ_k^*), Notes Number Th. Discr. Math., **15**(2009), no. 3, 9-13.

828. *On the composition of a certain arithmetic function* (with F. Luca), Functiones et Approximatio Comm. Mathematici, **41**(2009), no. 2, 185-209.

829. *The product of divisors minimum and maximum functions*, Scientia Magna, **5**(2009), no. 3, 13-18.

830. *A note on f-minimum functions*, Scientia Magna, **5**(2009), no. 3, 72-75.

831. *On the equation* $ax^2 + by^2 = z^2$, *where* $a + b = c^2$ (with I. Bakcsi), Octogon Math. Mag., **17**(2009), no. 1, 255-256.

832. *Euler and music. A forgotten arithmetic function by Euler*, ibid., 265-271.

833. *A divisibility property of* $\sigma_k(n)$, ibid., 275-276.

834. *A double-inequality for* $\sigma_k(n)$, ibid., 285-287.

835. *On certain inequalities for the* σ-*function*, ibid., 294-296.

836. *A note on the inequality* $(x_1 + \ldots + x_n)^2 \leq n(x_1^2 + \ldots + x_n^2)$, ibid., 297-298.

837. *A note on inequalities for the logaritmic function*, ibid., 299-301.

838. *On the inequality* $(f(x))^k < f(x^k)$, ibid., 302-303.

839. *A note on Bang's and Zsigmondy's theorems*, ibid., 304-305.

840. *On f-amicable pairs* (with M. Bencze), Octogon Math. Mag., **17**(2009), no. 2, 627-636.

841. *An extension of Ky Fan's inequality*, ibid., 714-716.

842. *On certain conjectures in prime number theory*, ibid., 727-732.

843. *Inequalities involving $\sigma_2(n)$*, ibid., 736-740.

844. *An inequality for the number of divisors of n* (with L. Kovács), ibid., 746-750.

845. *On refinements of the arithmetic-geometric-harmonic mean inequality*, ibid., 751-754.

846. *An inequality for means of two arguments*, ibid., 764-767.

847. *A better lower bound for $\sigma(n)$*, ibid., 767-768.

848. *The difference of the median and altitude of a triangle*, ibid., 769-770.

849. *An improvement of the Bagchi-Gupta arithmetic inequality*, ibid., 771-773.

850. *An application of the Catalan equation*, ibid., 965-966.

851. *On OQ. 3083*, ibid., 966-967.

852. *On the equation $\varphi^2(n) + \psi(k) + 1 = 3\sigma^2(p)$*, ibid., 969-970.

853. *On the equation $[e^x]^2 + [e^y]^2 = [e^{x^2+y^2}]$*, ibid., 970-971.

854. *On the equation $2([e^x] + [e^y]) = [e^{x+y}]$*, ibid., 971-972.

855. *A note on logarithmically completely monotonic ratios of certain mean values*, Acta Univ. Sapientia, Math., **2**(2010), no. 1, 84-91.

856. *A note on a bound of the combination of arithmetic and harmonic means for the Seiffert mean*, RGMIA, **13**(2010), no. 1, art. 10.

857. *Two arithmetic inequalities*, Advanced Studies in Contemp. Math., **20**(2010), 197-202.

858. *On an inequality of Klamkin*, Proc. Jangjeon Math. Soc., **13**(2010), no. 1, 49-54.

859. *On the Euler minimum and maximum functions*, Proc. Jangj. Math. Soc., **13**(2010), no. 2, 197-204.

860. *On some inequalities involving trigonometric and hyperbolic functions with emphasis on the Cusa-Huygens, Wilker, and Huygens inequalities* (with E. Neuman), Math. Ineq. Appl., **13**(2010), no. 4, 715-723.

861. *On an arithmetic inequality by K. T. Atanassov*, (with L. Kovács), Proc. Jangjeon Math. Soc., **13**(2010), no. 3, 313-319.

862. *On Farkas Bolyai's theorems on infinite series* (Hungarian), (with R.G. Oláh), Matematikai Lapok (Budapest), **16**(2010), no. 2, 18-37.

863. *Even perfect numbers: divisibility properties* (Hungarian), Polygon (Szeged), **19** (2010), no. 1, 57-61.

B. METHODICAL-SCIENTIFIC PAPERS

1. *Remarks related to some arithmetic functions* (Hungarian), Mat. Lapok, LXXXIII, 12, 1978, 494-500.

2. *Everywhere continuous, nowhere differentiable functions,* (Hungarian) (with A. Furdek), Mat. Lapok, LXXXIV, 12/1979, 446-450.

3. *On a problem of divisibility,* (Romanian), Gaz. Mat. LXXXV, 1/1981, 20-21.

4. *On a problem of divisibility revisited* (Hungarian), Mat. Lapok, LXXXVI, 1/1981, 4-5.

5. *On a certain limit* (Hungarian), Mat. Lapok 11/1981, 429-432.

6. *On a Diophantine equation,* Gaz. Mat. 2-3/1982, 60-61. [Zbl.0613.10015]

7. *On obtuse-angled triangles* (Hungarian) (with A. Szabadi), Mat. Lapok, XC, 6/1985, 215-219.

8. *The characterization of a divisibility* (Hungarian), Mat. Lapok, XC, 9/1985, 347-350.

9. *A divisibility property* (Romanian) (with M. Deaconescu), Gaz. Mat. XCI, 2/1986, 48-49.

10. *A property of sequences having positive terms* (Hungarian), Mat. Lapok 90, 1985, pp. 428-429.

11. *Irrational Numbers* (Romanian), Caiete Metodico-Şt., Univ. Timişoara, 1987, No.44, pp.1-18.

12. *On finite sums* (Hungarian), Mat. Lapok 7-8/1987, 745-753.

13. *On arithmetic functions and a trigonometric product* (Hungarian), (with L. Tóth), Mat. Lapok, XCII, 4/1987, 149-154.

14. *On the Diophantine equation $xy = z^2 + 1$* (Romanian), Lucr. Sem. Didactica Mat. **4**(1988), 265-268.

15. *One hundred years from the birth of Srinivasa Ramanujan* (Romanian), Gamma **9**(1987), 42-45.

16. *The mathematical activity of G. Pólya,* Gamma **10**(1988), No.3-4, pp. 43-51. [Zbl.0716.01028]

17. *On some Diophantine equations* (Hungarian) (with Gy. Berger) Mat. Lapok 7/1989, 269-272.

18. *On the second mean-value theorem of integral calculus* (Romanian), Lucr. Semin. Did. Mat. **5**(1989), 275-280.

19. *Abstract geometric spaces* (Hungarian), Hargita Kalendárium 1990, pp.73-76.

20. *On a Diophantine equation* (Romanian), Lucr. Sem. Didact. Mat. **7**(1991), 125-126.

21. *On the Chinese Remainder Theorem* (Romanian), Lucr. Sem. Did. Mat. **6**(1990), 297-301.

22. *Regular laticial-polygons and irrational numbers* (Hungarian), Mat. Lapok, XLI, 1/1993, 6-8.

23. *On perfect and superperfect numbers* (Romanian), Lucr. Semin. Did. Mat. **8**(1992), 167-168.

24. *On some analogies in elementary geometry* (Romanian), Lucr. Semin. Did. Mat. **8**(1992), 159-166.

25. *On a problem of Fermat* (Hungarian), Mat. Lapok 7/1993, 245-247.

26. *Toeplitz' theorem and some of its applications* (Hungarian), Mat. Lapok 6/1993, 205-208.

27. *Right triangles and Diophantine equations* (Romanian), Lucr. Semin. Did. Mat. **9**(1993), 173-180.

28. *On Gauss and Borhardt's algoritms* (Romanian), Lucr. Semin. Did. Mat. **10**(1994), 107-112.

29. *On a limit* (Romanian), Lucr. Semin. Did. Mat. **9**(1993), 181-184.

30. *On a problem of getting water* (Hungarian), Mat. Lapok XLIII, 10/1995, 361-364.

31. *Regular parquetting and Diophantine equations* (Hungarian), Mat. Lapok XLV, 7/1997, 244-248.

32. *On the greatest common divisor and least common multiple of numbers* (Romanian), Lucr. Semin. Did. Mat. **15**(1999), 167-178.

33. *On the regular triangle* (Hungarian), Mat. Lapok, XCVI, 7/1991, 260-263.

34. *On area of Relaux triangles and quadrilaterals* (Hungarian), Mat. Lapok, XLI, 9/1993, 325-328.

35. *Divisibility with 7, 11, 13* (Hungarian), Mat. Lapok, 8/2000, 283-284.

36. *On Open Problem with general arithmetic functions* Octogon M.M. **7**(1999), No.2, 129-130.

37. *On square roots and Diophantine equations* (Hungarian), Erdélyi Mat. Lapok **2**(2000), No.2, 8-12.

38. *On a property of 79* (Hungarian), Erdélyi Mat. Lapok **2**(2001), No.2. 12-13.

39. *On the problem E:11248* (Hungarian), Mat. Lapok 6/1996, 215-217.

40. *On two Diophantine equations* (Hungarian), Mat. Lapok 8/2001, 285-286.

41. *Relations between the elements of a triangle and its podaire triangle* (Hungarian), Mat. Lapok 9/2000, 321-323.

42. *On a fraction* (Romanian), Lucr. Semin. Did. Mat. **16**(2000), 183-184.

43. *On a fraction II* (Romanian), Lucr. Semin. Did. Mat. **17**(2001).

44. *On a logarithmic inequality* (Romanian), ibid. **17**(2001).

45. *The mathematical induction revisited* (Romanian), ibid. **17**(2001).

46. *On a competition problem* (Romanian), ibid. **17**(2001).

47. *On a generalization of Fermat's divisibility theorem* (Romanian), ibid. **16**(2000), 185-186.

48. *On the Lemoine point of a triangle,* ibid **16**(2000), 175-182.

49. *On OQ. 693,* Octogon, M.M. **10**(2002), no.1, pp. 378-379.

50. *On the Open Problem OQ. 695,* ibid, p. 380.

51. *On OQ. 696,* ibid, p. 381.

52. *On OQ. 706,* ibid, p. 384.

53. *On OQ. 708,* ibid, p. 385.

54. *On OQ. 722,* ibid, p. 387

55. *On OQ. 735,* ibid, p. 392.

56. *On OQ. 736,* ibid, pp. 392-393.

57. *On OQ.737,* ibid, p. 393.

58. *On OQ. 738,* ibid, p. 394.

59. *On OQ. 752,* ibid, p. 398.

60. *On OQ. 758,* ibid, p. 403.

61. *On the Open Problem OQ. 761,* ibid, p. 404.

62. *On OQ.781,* ibid, pp. 408-409.

63. *On OQ. 802,* ibid, pp. 412-413.

64. *On the Open Problem OQ. 806,* ibid, p. 417.

65. *A convexity property of the gamma-function* (Hungarian), Erdélyi Mat. Lapok **3**(2002), p. 12.

66. *On a geometric problem,* (Hungarian), Erdélyi Mat. Lapok **3**(2002), no. 2, 14-15.

67. *On certain trigonometric inequalities,* (Hungarian), Erdélyi Mat. Lapok **3**(2002), no. 2, 13-14.

68. *On problem L.690, and on logarithmic means* (Hungarian), Mat. Lapok 6, 2002, 209-212.

69. *200 years from the birth of Niels Henrik Abel* (Hungarian), (with J. Kolumbán), Mat. Lapok, 10, 2002, 361-362.

70. *On a Diophantine equation* (Romanian), Gaz. Mat. B, 6-7/1990, 180-181.

71. *On Jordan's arithmetical function* (Romanian), Gaz. Mat. B, 2-3/1993, 105-110.

72. *On the sequence* $\sqrt{p_{n+1}} - \sqrt{p_n}$, Octogon M.M. **10**(2002), no.2, 787-789.

73. *A note on refinement of AM-GM inequality*, ibid., 794-795.

74. *A note on the equation* $y^2 = x^3 + 1$, ibid., 715-718.

75. *A note on an algebraic inequality*, ibid., 848-849.

76. *On the Open Problem OQ.725*, ibid., 899-901.

77. *On the sequence of composite numbers*, ibid., 782.

78. *A note on a note by Murthy and Bencze*, ibid., 875.

79. *On the work and heritage of Ramanujan* (Hungarian), Erdélyi Mat. Lapok **5**(2004), no.2, 3-8.

80. *On a theorem of János Bolyai on prime numbers* (Hungarian), (with E. Kiss), Mat. Lapok, 10/2004, 361-363.

81. *On the work of Gy. Vályi in number theory* (Hungarian), Mat. Lapok 1/2005, 5-9.

82. *On OQ.1338*, Octogon M.M. **12**(2004), no.2B, 1046.

83. *On OQ.1361*, ibid., 1057.

84. *On OQ.1362*, ibid., 1058-1059.

85. *On OQ.1387*, ibid., 1062-1063.

86. *On OQ.1890*, ibid., 1064.

87. *Mathematical induction* (Romanian), Lucr. Semin. Didactica Mat. **20**(2002), 107-112.

88. *On a logarithmic inequality* (Romanian), Lucr. Semin. Didactica Mat. **20**(2002), 97-100.

89. *On a competition problem* (Romanian), Lucr. Semin. Didactica Mat. **20**(2002), 101-106.

90. *On a fraction, II* (Romanian), Lucr. Semin. Didactica Mat. **20**(2002), 93-96.

91. *On the arithmetic and geometric means of* $\ln\left(1 + \dfrac{a}{b}\right)$ *and* $\ln\left(1 + \dfrac{b}{a}\right)$ (Hungarian), Mat. Lapok, Cluj, 6/2005, 212-213.

92. *On a problem by Regiomontanus* (Hungarian), Mat. Lapok, Cluj, 7/2004, 260-262.

93. *On OQ. 1394*, Octogon Math. Mag. **13**(2005), no.1, 900.

94. *On OQ. 1396*, ibid., 902.

95. *On OQ. 1446*, ibid., 907.

96. *On OQ. 1447*, ibid., 908.

97. *Once again on OQ. 1446 and OQ. 1447*, ibid., 909.

98. *On OQ. 1556*, ibid., 919.

99. *On OQ. 1605*, ibid., 922.

100. *On OQ. 1613*, ibid., 922. [Ref. Jurn. 06.03-13A.562]

101. *On OQ. 1614*, ibid., 923. [Ref. Jurn. 06.03-13B.20]

102. *On OQ. 1631*, ibid., 924.

103. *On OQ. 1632 and OQ. 1630*, ibid., 927.

104. *The first 100 years of László Kalmár and Rózsa Péter* (Hungarian), Matlap (Cluj) 9/2005, 321-323.

105. *On OQ. 1958*, Octogon Math. Mag. **14**(2006), no.1, 892.

106. *On OQ. 1990*, ibid., 896.

107. *On OQ. 2093*, ibid., 905.

108. *On OQ. 2094*, ibid., 906-907.

109. *On OQ. 2095*, ibid., 907-908.

110. *On OQ. 2231, OQ. 2232, OQ. 2236*, ibid., 940.

111. *Mathematicians born 100 years ago* (Hungarian), Matlap (Cluj, Romania), X(2006), no.10, 363-365.

112. *On diophantine equations obtainable from fractions* (Hungarian), Matlap (Cluj), XI(2007), no.1, 4-5.

113. *An application of Stieltjes' integral* (Romanian), Did. Math., **23**(2005), 307-308.

114. *On the second mean-value theorem of integrals, II*, (Romanian), Did. Math., **23**(2005), 378-380.

115. *On OQ. 2243*, Octogon Math. Mag., **15**(2007), no.1, 503-504.

116. *On OQ. 2244* (with M. Bencze), ibid., 504-505.

117. *On OQ. 2253*, ibid., 515.

118. *On OQ. 2254*, ibid., 516.

119. *On OQ. 2255*, ibid., 517.

120. *On OQ. 2257*, ibid., 517-518.

121. *On OQ. 2259*, ibid., 518.

122. *On OQ. 2260*, ibid., 519.

123. *On OQ. 2264*, ibid., 523-524.

124. *On OQ. 2269*, ibid., 524.

125. *On OQ. 2270*, ibid., 525.

126. *On OQ. 2284*, ibid., 531.

127. *On inequality $\varphi(\psi(a) + \psi(b)) \leq a + b$*, ibid., 522-523.

128. *On OQ. 2320*, ibid., 536.

129. *On OQ. 2113*, Octogon Math. Mag., **14**(2006), no.2.

130. *A criterion of divisibility with 7 and 13* (Hungarian), Matlap (Cluj), **11**(2007), no. 7, 250-251.

131. *On the irrationality of $\sqrt[n]{N}$* (Hungarian), Polygon (Szeged), **16**(2007), no. 1, 57.

132. *On OQ. 2345*, Octogon Math. Mag., **15**(2007), no. 2B, 1257.

133. *On OQ. 2361*, ibid., 1267-1268.

134. *On OQ. 2362*, ibid., 1268.

135. *On OQ. 2383*, ibid., 1272-1273.

136. *On OQ. 2384*, ibid., 1273.

137. *On OQ. 2385*, ibid., 1274.

138. *On OQ. 2388*, ibid., 1275.

139. *On OQ. 2389*, ibid., 1276.

140. *On OQ. 2409*, ibid., 1281.

141. *On OQ. 2242*, ibid., 1284.

142. *On OQ. 2425*, ibid., 1285.

143. *On OQ. 2430*, ibid., 1286.

144. *On OQ. 2431*, ibid., 1286.

145. *On OQ. 2450*, ibid., 1295-1296.

146. *On OQ. 2454*, ibid., 1296.

147. *Landau's proof of irrationality of $\sqrt{2}$*, Octogon Math. Mag., **16**(2008), no. 1A, 359.

148. *A note on supralogarithmical functions*, ibid., 384.

149. *On OQ. 2494*, ibid., 779.

150. *On OQ. 2495*, ibid., 781.

151. *On OQ. 2496*, ibid., 783.

152. *On OQ. 2497*, ibid., 784.

153. *On OQ. 2498*, ibid., 784-785.

154. *On OQ. 2501*, ibid., 785-786.

155. *On OQ. 2514*, ibid., 788-789.

156. *On OQ. 2550*, ibid., 797-798.

157. *On OQ. 2564*, ibid., 798.

158. *On OQ. 2569*, ibid., 800.

159. *On OQ. 2624*, ibid., 805-806.

160. *On OQ. 2633*, ibid., 812-813.

161. *On $\sigma\left(\sum_{k=1}^{n}\psi(k)\right) \geq cn(n+1)$*, ibid., 813-814.

162. *On OQ. 2679*, ibid., 819.

163. *On $\sum_{n \geq 1}\dfrac{1}{a_n}$, where $a_n = [n^\gamma]$ or $a_n = [\gamma^n]$*, ibid., 820.

164. *On OQ. 2684*, ibid., 820.

165. *On k_p-perfect numbers* (Hungarian), Matlap, **12**(2008), no. 8, 297-298.

166. *A note on certain inequalities* (Romanian), Gaz. Mat. Ser. B, **113**(2008), no. 7-8, 344-345.

167. *Wilson's group theoretical theorem* (Hungarian), Matlap, **13**(2009), 330-331.

168. *On Problem L:1543, or on Pell equations* (Hungarian), Matlap, **13**(2009), 373-376.

169. *On some geometric inequalities* (Hungarian), Matlap, **14**(2010), no. 1, 18-19.

170. *Another congruence criterion of triangles* (Hungarian), Matlap, **14**(2010), no. 3, 83-85.

171. *Divisibility properties of even perfect numbers* (Hungarian), Matlap, **14**(2010), no. 4, 124-126.

172. *One hundred years from the birth of Paul Turán* (Hungarian), Matlap, **14**(2010), no. 6, 201-202.

173. *180 years from the publication of "Arithmetica eleje"* (with R. Oláh-Gál) (Hungarian), Matlap, **14**(2010), no. 7, 242-247.

C. BOOKS

1. *Geometric Inequalities* (Hungarian), Ed. Dacia, Cluj, 1988 [MR 90g:51002], [Zbl.0669.26008]

2. *Handbook of Number Theory* (with D.S. Mitrinović and B. Crstici), Kluwer Acad. Publ., Dordrecht, The Netherlands, 1996 [MR 97f:11001], [Zbl.0862.11001]

3. *Geometric theorems and arithmetic functions* (e-book), webdoc.sub.gwdg.de/ebook/e/2001/gallup/www.gallup.unm.edu/smarandache/

4. *Geometric theorems, Diophantine equations and arithmetic functions,* American Research Press, Rehoboth, NM, USA, 2002. [MR 1906446], [Zbl.pre01774202]

5. *Handbook of number theory, II,* (with B. Crstici), Springer Verlag, Berlin-Heidelberg-New York, 2004. [MR 2119686], [Zbl 1079.11001]

6. *Handbook of number theory, I,* (with D.S. Mitrinović, B. Crstici), 2nd printing, Springer Verlag, 2005. [MR 2186914], [Zbl pre 05013256]

7. *Selected chapters of Geometry, Analysis and Number theory*, RGMIA Monographs, Victoria University, 2006. (ONLINE: http://rgmia.vu.edu.au/~monographs)

8. *Lectures on Nonlinear analysis and its applications* (with G. Kassay, J. Kolumbán, S. Kristály, S. Németh, A. Soós and Cs. Varga), Cluj-Napoca, Scientia Publ. House, Sapientia Books, 22, Natural Sciences, 2003, 424 p.

9. *Geometric theorems and arithmetic functions*, American Research Press, Rehoboth, NM, 2002, ISBN: 1-931233-47-0 (Kindle Edition, 2007, www.amazon.com)

10. *Geometric theorems, diophantine equations and arithmetic functions* (second edition), 2008, Kindle ed., Amazon Digital Services, ASIN: B001HZYDZK.

11. *Selected Chapters of Geometry, Analysis and Number Theory: Classical Topics in New Perspectives*, LAP Lambert Acad. Publ., 2009.

12. *A Bibliography on gama functions: inequalities and applications,*
    http://www.math.ubbcluj.ro/∼jsandor

D. ABBREVIATIONS OF JOURNALS AND PUBLISHERS

1. *Aequat. Mat.*, Aequationes Mathematicae, Univ. of Waterloo, Canada.

2. *Arch. Mat (Basel),* Archiv der Mathematic, Basel, Switzerland.

3. *Arch. Mat (Brno),* Archivum Mathematicum, Brno, Slovakia.

4. *Astra Mat. (Sibiu),* Astra Matematică, Sibiu, Romania.

5. *Am. Res. Press, Rehoboth,* American Research Press, Rehoboth, NM, USA.

6. *Am. Res. Press, Lupton,* American Research Press, Lupton, AZ, USA.

7. *Bull. Numb. Th.,* Bulletin of Number Theory and Related Topics, Buenos Aires, Argentina.

8. *Bull. Univ. Braşov,* Bulletin of University Braşov, Romania.

9. *Bull Şt. Univ. Baia Mare,* Buletin Ştiinţific al Universităţii Baia Mare, Romania.

10. *Caiete Metodico-Şt.,* Methodical-Scientifical Exercise Books, Romania.

11. *C.R. Bulg. Acad. Sci.,* Comptes Rendus de l'Academie Bulgare de Sciences, Sofia, Bulgaria.

12. *Czechoslovak Mat. J.,* Czechoslovak Mathematical Journal, Praga, Czech Republic.

13. *Ed. Dacia,* Editura Dacia, Cluj-Napoca, Romania.

14. *Elem. Math,* Elemente der Mathematik, Basel, Switzerland.

15. *Erdélyi Mat. Lapok,* Erdélyi Matematikai Lapok, Braşov, Romania.

16. *Fib. Quart,.* The Fibonacci Quarterly, California, USA.

17. *Gamma,* Braşov, Romania.

18. *Gaz. Mat.,* Gazeta Matematică, Seria B, Bucureşti, Romania.

19. *Gaz. Mat. A,* Gazeta Matematică, Seria A, Bucureşti, Romania.

20. *General Math.,* General Mathematics, Sibiu, Romania.

21. *Intern. J. Math. Ed. Sci. Tech.,* International Journal of Mathematics Education in Science and Technology, Loughborough, England.

22. *Intern J. Math. Math. Sci.,* International Journal of Mathematics and Mathematical Sciences, Florida, USA.

23. *JIPAM,* Journal of Inequalities in Pure and Applied Mathematics, Melbourne, Australia.

24. *J. Chengdu Univ.,* Journal of Chengdu University, Chengdu, China.

25. *J. Math. Anal. Appl.,* Journal of Mathematical Analysis and Applications, San Diego, USA.

26. *Kluwer Acad. Publ.,* Kluwer Academic Publishes, Dordrecht, The Netherlands.

27. *L'Analyse Numér. Th. Approx.,* L'Analyse Numérique et la Théorie de l'Approximation, Cluj, Romania.

28. *Libertas Math,* Libertas Mathematica, Arlington, Texas, USA.

29. *Lucr. Semin. Did. Mat.,* Lucrările Seminarului Didactica Matematicii, Univ. Babeş-Bolyai, Cluj, Romania.

30. *Harg. Kalendárum,* Hargita Kalendárium, M.-Ciuc, Romania.

31. *Mat. Lapok,* Matematikai Lapok, Kolozsvár (Cluj), Romania.

32. *Mat. Vesnik,* Matematički Vesnik, Beograd, Yugoslavia.

33. *Mat. Tan.,* Matematika Tanítása, Budapest, Hungary.

34. *Math. Inst. Hung. Acad. Sci.,* Mathematical Institute of Hungarian Academy of Sciences, Budapest, Hungary.

35. *Mathematica (Cluj),* Mathematica, Cluj-Napoca, Romania.

36. *Math. Mag.,* Mathematics Magazine, USA.

37. *Math. Student,* The Mathematics Student, India.

38. *Math. Moravica,* Mathematica Moravica, Kragujevac, Čačak, Yugoslavia.

39. *Math. Ineq. Appl.,* Mathematical Inequalities and Applications, Zagreb, Croatia.

40. *Math. Pann.,* Mathematica Pannonica, Leoben-Miskolc, Hungary.

41. *Nieuw Arch. Wisk.,* Nieuw Archief voor Wiskunde, Amsterdam, The Netherlands.

42. *Notes Numb. Th. Discr. M.,* Notes Number Theory and Discrete Mathematics, Sofia, Bulgaria.

43. *Port. Math.,* Portugaliae Matematica, Lisboa, Portugal.

44. *Publ. Centre Rech. Math.,* Publications de Centre Recherches des Mathématiques Pures, Neuchâtel (or Chambéry), Switzerland.

45. *Periodica Math. Hung.,* Periodica Mathematica Hungarica, Budapest, Hungary.

46. *Publ. Math. Debrecen,* Publicationes Mathematicae, Debrecen, Hungary.

47. *Rad. Mat.,* Radovi Matematički. Academia Nauca i Umjetnosti Bosne i Hercegovine, Sarajevo.

48. *RGMIA Collection,* Research Group of Mathematical Inequalities and Applications, Collection, Melbourne, Victoria, Australia.

49. *Publ. Sapientia Found.,* Publications of the Sapientia Foundation, Cluj, Romania.

50. *Octogon M.M.,* Octogon Mathematics Magazine, Braşov, Romania.

51. *Rocky Mt. J.M.,* Rocky Mountain Journal of Mathematics, Tempe, Arizona, USA.

52. *Smarandache N.J.,* Smarandache Notions Journal, USA.

53. *Studii Cerc. Mat.,* Studii şi Cercetări Matematice, Bucureşti, Romania.

54. *Studia Univ. Babeş-Bolyai,* Studia Universitatis Babeş-Bolyai, Mathematica, Cluj, Romania.

55. *Univ. Beograd Publ. Elek. Fak.,* Univerzitet u Beogradu Publikacije Elektrotehničkog Fakultate Serija Matematika, Beograd, Yugoslavia.

56. *Univ., Cluj,* University, Cluj, Romania.

57. *Univ. Timişoara,* University, Timişoara, Romania.

58. *www.gallup.unm.edu,* Internet site of university from NM, USA.

59. *Proc. Nat. Conf. Geometry and Topology,* Proceedings of the National Conference on Geometry and Topology, Târgovişte, Romania.

60. *Itinerant Sem. Funct. Eq. approx., conv.,* Itinerant Seminar on Functional equations, approximations and convexity, Babeş-Bolyai Univ., Cluj, Romania.

61. *Proc. Algebra Conf.,* Proceedings of the Algebra Conference, Braşov, Romania.

62. *Seminar of Math. Analysis,* Seminar of Mathematical Analysis, Babeş-Bolyai Univ., Cluj, Romania.

63. *Proc. Conf. Math. Appl.,* Proceedings of the Conference on Mathematics and its applications, Timişoara, Romania.

64. *Seminarul t. structurilor,* Seminarul de teoria Structurilor, University of Timişoara, Romania.

65. *Seminar Arghiriade,* Seminarul Arghiriade of Timişoara Univ., Timişoara, Romania.

66. *MR*, Mathematical Reviews, Providence, USA.

67. *Zbl.*, Zentralblatt für Mathematik, Berlin, Germany.

68. *Wurzel (Jena),* die Wurzel, Fakultät für Mathematik und Informatik, Jena.

69. *Adv. Stud. Contemp. Math.*, Advanced Studies in Contemporary Mathematics, Korea.

70. *Proc. Jangj. Math. Soc.*, Proceedings of the Jangjeon Mathematical Society, Korea.

71. *Adv. Nonlinear Var. Ineq.*, Advances in Nonlinear Variational Inequalities, Ohio, USA.

72. *Springer Verlag*, Springer Verlag: Berlin, Heidelberg, New York.

73. *American Research Press*, Rehoboth, New Mexico, USA.

74. *Forum Geometricorum*, Electronic journal, USA.

75. *Bull. Austral. Math. Soc.*, Bulletin of the Australian Mathematical Society.

76. *Scientia Magna*, Northwest Univ., Shaanxi, China.

77. *Ref. Jurn.*, Referatîvniĩ Jurnal (Matematika), Moskva.

78. *J. Math. Ineq.*, Journal of Mathematical Inequalities, Croatia.

79. *AJMA*, Australian Journal of Mathematical Analysis and Applications, Australia.

80. *Polygon*, Szeged (Hungary).

81. *Nova Science Publ.*, USA Publishing House.

82. *J. Math. Ineq.*, Journal of Mathematical Inequalities, Croatia.

83. *Did. Math.,* Didactica Mathematica (Cluj, Romania); formerly: Seminarul Didactica Matematicii.

E. COOPERATIONS

1. *K.T. Atanassov* [Bulgaria], A36, A671, A736

2. *A. Bege* [Romania] A343

3. *M. Bencze* [Romania] A59, A436, A479, A486, A493, A498, A499, A500, A514, A515, A564, A570, A583, A602, A626, A628, A629, A633, A637, A639, A647, A664, B116, A675, A731, A784, A790, A797, A809, A822, A839

4. *Gy. Berger* [Romania] A77, B17

5. *V. Berinde* [Romania] A106

6. *Z. Cao* [China] A262

7. *J. Kolumbán* [Romania] A297, A346, B69

8. *M. Deaconescu* [Kuwait] A11, B9

9. *S.S. Dragomir* [Australia] A4, A9, A15, A31, A56, A60, A63, A74, A88, A99, A123, A239, A240, A704, A739

10. *L. Debnath* [USA] A170

11. *A. Furdek* [Germany] B2

12. *E. Kiss* [Romania] A282, A344, A416, A449, A480, B80

13. *B. Crstici* [Romania] C2, C4, C6

14. *A.-V. Krámer* [Italy] A136, A138

15. *N.J. Lord* [England] A54

16. *Dragoljub M. Milosević* [Yugoslavia] A61, A99, A116, A563, A714

17. *D.S. Mitrinović* [Yugoslavia] C2, C6

39. *M.V. Missana* [Bulgaria]

40. *A. Lupaş* [Romania]

41. *G. Kassay* [Romania] C8

42. *S. Németh* [Romania] C8

43. *A. Soós* [Romania] C8

44. *Cs. Varga* [Romania] C8

45. *L. Kovács* [Romania] A560, A707, A791, A821, A861, A844

46. *S. Török* [Romania] A569

47. *T. Pogány* [Croatia] A666

48. *M.V. Jovanović* [Bosnia and Herzegovina] A666

49. *H.K. Sørensen* [Denmark] A627

50. *D. Mamta* [India] A625

51. *S. Kristály* [Romania] C8

52. *M. Merkle* [Serbia] A668

53. *Á. Baricz* [Romania] A734

54. *M.S. Moslehian* [Iran] A704, A739

55. G.P. Szabó [Hungary] A760, A761

56. I. Sándor [Romania] A785

57. I. Bakcsi [Romania] A830

F. CITATIONS

A2.   1. *Sz. András and M. Mureşan*, Mathematical analysis and its applications (Hungarian), Ed. Did. şi Ped., Bucureşti, 2005.

A4.   1. *D.S. Mitrinović, J.E. Pečarić and A.M. Fink*, Classical and new inequalities in analysis, Kluwer Acad. Publ., 1993.

A5.   1. *Jaroslav Hančl*, Criterion for Irrational Sequences, J. Number Theory **43**(1993), 88-92.

       2. *C. Badea*, The irrationality of certain infinite series, Glasgow Math. J. **29**(1987), 221-228.

       3. *Jaroslav Hančl,* Irrationality of quick convergent series, Journal de Th. Nombre de Bordeaux **8**(1996), 275-282.

       4. *C. Badea,* Certain results in analytic theory of numbers (Romanian) Licăriri, Supliment al cercului de cercetare matematică, L.N.B., Craiova 1986.

       5. *M.A. Nyblom,* A theorem on transcendence of infinite series, Rocky Mt. J.M. **30**(2000), 1111-1120.

       6. *C. Badea,* The irrationality of certain infinite products, Studia Univ. Babeş-Bolyai, **31**(1986), 3-9.

       7. *C. Badea,* A theorem on irrationality of infinite series and applications, Acta Arithm. LXIII(1993), 313-323.

       8. *M.A. Nyblom*, A theorem on transcendence of infinite series, II. J. Number Theory, **91**(2001), no.1, 71-80.

       9. *M.A. Nyblom*, On the construction of a family of transcedental valued infinite products, Fib. Quart. **42**(2004), 353-358.

      10. *J. Hančl and P. Rucki,* The transcendence of certain infinite series, Rocky M.J. Math. **35**(2005), no.2, 531-537.

      11. *M. Krizek, F. Luca and L. Somer*, Lectures on Fermat numbers, Springer Verlag, 2002.

12. *J. Hančl*, Irrational sequences of rational numbers, Note di Matematica **23**(2004), 61-70.

13. *V. Laohakosol et al.*, Irrationality criteria for infinite products, J. Combin. Number Theor., **1**(2009), no. 1, electronic, 2009, pp. 49-57.

A6. 1. *M. Bencze*, One competition problem and its applications, Octogon M.M. **6**(1998), No.2, 75-82.

11. *M. Krizek, F. Luca, L. Somer*, 17 Lectures on Fermat numbers, Springer Verlag, 2002.

A7. 1. *D. Andrica,* Note on a conjecture in Prime Number Theory, Studia Univ. Babeş-Bolyai, Math. **31**(1986), 44-49.

2. *R.K. Guy*, Unsolved problems in number theory, Third ed., Springer Verlag, 2004.

A9. 1. *D.S. Mitrinović, J.E. Pečarić and A.M. Fink,* Classical and new inequalities in Analysis, Kluwer Acad. Publ., 1993.

2. *J.E. Pečarić, F. Proschan, Y.L. Tong*, Convex functions, partial ordering and statistical applications, Academic Press, New York, 1991.

3. *J. Gibergans et al.*, Some cyclical inequalities in inner product spaces, Octogon M. M., **17**(2009), no. 2, 502-509.

A10. 1. *Pentti Haukkanen,* On an inequality for $\sigma(n)\varphi(n)$, Octogon M.M. **4**(1996), 3-5.

2. *J. Bukor and J. Tóth,* Estimation of the mean value of some arithmetical functions, Octogon M.M. **3**(1995), 31-32.

3. *S. Satyananda Panda,* Studies on Generalized Euler's totient function and homomorphism on groups of arithmetic functions, Ph. D. Thesis, 1999, Univ. Sambalpur (India).

4. *N. Minculete et al.*, Concerning the Euler totient, General Math., **16**(2008), no. 1, 93-99.

5. *N. Minculete*, Improvements of one of Sándor's inequalities, Octogon M. M., **17**(2009), no. 1, 288-290.

A11. 1. *L. Tóth,* A generalization of the cyclotomic polynomial, Gaz. Mat. A, **11**(1990), 139-144.

A14. 1. *D. Duverney,* A criterion of irrationality, Port. Math **53**(1996), 229-237.

2. *M.A. Nyblom,* A theorem on transcendence of infinite series, Rocky Mt. J.M. **30**(2000), 1111-1120.

3. *M.A. Nyblom*, Ibid., II, J. Number Theory, **91**(2001), no.1, 71-80.

A15. 1. *D.S. Mitrinović, J.E. Pečarić and A.M. Fink,* Classical and new inequalities in analysis, Kluwer Acad. Publ. 1993.

2. *I. Budimir, Y.J. Cho, M. Matic and J. Pečaric,* Čebyshev's inequality in *n*-inner product spaces, in: *Yeol Je Cho, Jong Kyn Kim and S.S. Dragomir* (eds.), Inequality theory and applications, vol. 1, Nova Sci. Publ., New York, 2001, pp. 87-93.

A16. 1. *J. Hančl,* Criterion for Irrational Sequences, J. Number Theory, **43**(1993), 88-92.

2. *S. Finch,* Mathematical Constants,
http://www.mathsoft.com/asolve/constant/constant.html.

3. *C. Badea*, A theorem on irrationality of infinite series and applications, Acta Arithm. LXIII(1993), 313-323.

A17. 1. *S.S. Dragomir,* Two refinements of Hadamard's inequalities, Coll. Sci. Pap. Fac. Sci. Kragujevac **11**(1990), 23-26.

2. *S.S. Dragomir,* On some integral inequalities for convex functions, ibid. **18**(1996), 21-25.

3. *S.S. Dragomir and N.M. Ionescu,* Some integral inequalities for differential convex functions, ibid. **13**(1992), 11-16.

4. *S.S. Dragomir,* A note on Hadamard's inequalities, Mathematika 35(**58**), 1993, 21-24.

5. *S.S. Dragomir and N.M. Ionescu,* Some remarks on convex functions, Revue d'Analyse Numér. Th. Appr. **21**(1992), 31-36.

6. *G-Sheng Yang and M-Chung Hong,* A note on Hadamard's inequality, Tamkang J. Math. **28**(1997), 33-37.

7. *S.S. Dragomir,* Some refinements of Hadamard's inequalities, GMA, **11**(1990), No.4, 189-191.

8. *C.E.M. Pearce and J. Pečarić,* On some applications of integral power means, Octogon M.M. **5**(1997), 3-7.

9. *G-Sheng Yang and H-Lan Wu,* A refinement of Hadamard's inequality for isotomic linear functionals, Tamkang J. Math. **27**(1996), 327-336.

10. *S.S. Dragomir,* A mapping in connection to Hadamard's inequalities, Anz. Öst. Akad. Wiss. math-nat. Klasse **128**(1991), 17-20.

11. *H. Alzer,* A note on Hadamard's inequalities, C.R. Math. Rep. Acad. Sci. Canada **11**(1989), 255-258.

12. *D. Barbu, S.S. Dragomir, C. Buşe,* A probabilistic argument for the convergence of some sequences associated to Hadamard's inequality, Studia Univ. Babeş-Bolyai, **38**(1993), 29-33.

13. *H.A. Pfluger,* Zum Beitrag von J. Sándor in El. Math. 43/6. p. 177-180, Some integral inequalities, Elem. Math. **44**(1989), 54.

14. *S.S. Dragomir and C.E.M. Pearce,* Selected Topics on Hermite-Hadamard Type Inequalities and Applications, RGMIA Monographs, 2000, Victoria Univ., Australia [Online: http:rgmia.vu.edu.au/monographs/hermite].

15. *C.P. Niculescu,* A multiplicative mean value and its applications, in: *Yeol Je Cho, Jong Kyu Kim and S.S. Dragomir* (eds.), Inequality theory and applications, vol. 1, Nova Sci. Publ., New York, 2001, pp. 243-255.

16. *I. Raşa and T. Vladislav*, Inequalities and applications (Romanian), Ed. Tehnică, Bucureşti, 2000 (128pp.).

17. *J.E. Pečarić, F. Proschan, Y.L. Tong*, Convex functions, partial ordering and statistical applications, Academic Press, New York, 1991.

18. *B.G. Pachpatte*, A note on variants of certain inequalities for convex functions, J. Math. **34**(2003), no.2, 163-167.

19. *N. Batir*, Sharp inequalities involving the constant e and the sequence $\left(1 + \dfrac{1}{n}\right)^n$, RGMIA Report Coll. **9**(2006), no.4, article 13.

20. *B.G. Pachpatte*, Mathematical inequalities, Elsevier, 2006.

A21. 1. *A. Vernescu,* On certain representations via rational fractions (Romanian), GMA 1/1996, 42-56.

  2. *A. Vernescu and Şerban Buzeţeanu,* On certain sequences of type $A_n = (n+1)a_{n+i} - na_n$ (Romanian), Lucr. Sem. Did. Mat. **13**(1998), 225-228.

  3. *L. Tóth,* On problem C:608 (Hungarian), Mat. Lapok, 8/1989, 281-283.

  4. *A. Vernescu*, Mathematical analysis (Romanian), vol. I, II. Ed. Pantheon, Bucureşti, 2001.

  5. *A. Vernescu*, Sequences of real numbers (Romanian), Ed. Univ. Bucureşti, 2000.

  6. *A. Vernescu*, On the asymptotic analysis of the functions of a discrete variable, Bul. Şt. Univ. Baia Mare, Seria B, Mat. Inf. **17**(2001), nr. 1-2, 173-185.

A22. 1. *A. Vernescu,* On certain representations via rational fractions (Romanian) GMA 14(1996), No.1, 42-56.

  2. *T. Negoi,* A quicker convergence to Euler's constant (Romanian), GMA **15**(1997), No.2, 111-113.

  3. *S. Finch,* Favorite Mathematical constants, http://www.mathsoft.com/asolve/gamma/gamma.html.

4. *A. Vernescu*, Mathematical analysis (Romanian), vol. I, II. Ed. Pantheon, Bucureşti, 2001.

5. *A. Vernescu*, Sequences of real numbers (Romanian), Ed. Univ. Bucureşti, 2000.

6. *M. Hassani*, Approximation of $pi(x)$ by $Psi(x)$, RGMIA Research Report Collection **8**(2005), no.2, article 2 (electronic), see also JIPAM **7**(2006), no.1, art.7.

7. *A. Vernescu*, The number e and the mathematics of exponentials (Romanian), Ed. Univ. Bucureşti, 2004, 439pp.

8. http://www.mathematik.uni-bielefeld/de/~silke/PUZZLES/harmonic-series

9. *W. Janous*, Inequalities for parts of the harmonic series, Univ. Beograd Publ. Elektr. Fak. Ser. Mat. **12**(2001), 38-40.

A23. 1. *S. Satyananda Panda,* Studies on Generalized Euler's totient function and homomorphism an groups of arithmetic functions, Ph. D. Thesis, 1997, Univ. Sambalpur (India).

2. *K.T. Atanassov,* Inequalities for φ, ψ and σ functions, Octogon M.M. **3**(1995), 11-13.

A25. 1. *L. Panaitopol,* An inequality involving prime numbers, Univ. Beograd. Publ. Elekt. Fak. Ser. Mat. **11**(2000), 33-35.

2. *M. Hassani*, Approximation of the product $p_1 p_2 \ldots p_n$, RGMIA Research Report Collection **8**(2005), no.2, Article 20 (electronic).

3. *M. Hassani*, A refinement of Mandl's inequality, RGMIA Research Report Collection **8**(2005), no.2, Article 16 (electronic).

4. *M. Hassani*, A remark on the Mandl inequality, Octogon M.M., **15**(2007), no. 2, 567-572.

A27. 1. *R.K. Guy,* Unsolved problems in number theory, Third ed., Springer Verlag, 2004.

A28.   1. *R.K. Guy,* Unsolved problems in number theory, Second Ed., 1994, Springer Verlag.

2. *S. Satyananda Panda,* Studies on Generalized Euler's totient function and homomorphism an groups of arithmetic functions, Ph. D. Thesis, 1997, Univ. Sambalpur (India).

3. *K.P.R. Sastry and S.N. Panda,* On the arithmetical functions $\sigma_k^*(n)$ and $\varphi_k^*(n)$, Bull. Calcutta Math. Soc. **88**(1996), no. 6, 497-502.

4. *R.K. Guy,* Unsolved problems in number theory, Third ed., Springer Verlag, 2004.

A29.   1. *K.T. Atanassov,* Inequalities for φ, ψ and σ functions, Octogon M.M. **3**(1995), 11-13.

A30.   1. *K.T. Atanassov,* Inequalities for φ, ψ and σ functions, Octogon M.M. **3**(1995), 11-13.

A32.   1. *L. Tóth,* On a generalization of the Cauchy-inequality (Hungarian), Mat. Lapok 6-7/1990, 226-228.

A37.   1. *R.K. Guy,* Unsolved problems in number theory, Second ed., 1994, Springer Verlag.

2. *R.K. Guy,* Unsolved problems in number theory, Third ed., Springer Verlag, 2004.

A39.   1. *H. Alzer,* Refinement of inequality of Bennett, Discrete Math. **135**(1994), 39-46.

2. *A. Lupaş and A. Vernescu,* On an inequality (Romanian), Gaz. Mat. A, **17**(1999), No.3, 201-210.

3. *Z. Finta,* On some problems regarding the sequences of Traian Lalescu, Gaz. Mat. A, **18**(2000), No.3, 235-244.

4. *D.M. Bătineţu-Giurgiu and M. Bencze,* The Lalescu sequence, Octogon M.M. **9**(2001), No.1, 443-451.

5. *D.M. Bătineţu-Giurgiu and M.Bencze,* A simple way of calculating the limit of the Bătineţu-Giurgiu sequence, Octogon M.M. **9**(2001), No.1, 459-462.

6. *G.D. Anderson and S.-L. Qiu,* A monotonicity property of the gamma function, Proc. Amer. Math. Soc. **125**(1997), 3355-3362.

7. *H. Alzer,* On some inequalities for the gamma and psi functions, Math. Comp. **66**(1997), 373-389.

8. *D. Bătineţu-Giurgiu,* Wallis sequences (Romanian), Gaz. Mat. A, **18**(2000), No.1, 53-64.

9. *H. Alzer,* Note on an inequality involving $(n!)^{1/n}$, Acta Math. Univ. Comen. New Ser. **64**(1995), 283-285.

10. *S.S. Dragomir and C.E.M. Pearce*, Selected Topics on Hermite-Hadamard Type inequalities and Applications, RGMIA Monographs, 2000, Victoria Univ., Australia.

11. *M. Bencze and D.M. Bătineţu-Giurgiu*, Inequalities for gamma function, Octogon M.M. **10**(2002), no. 1, 233-246.

12. *A. Vernescu*, On the asymptotic analysis of the functions of discrete variable, Bul. Şt. Univ. Baia Mare, Seria B, Mat-Inf, **17**(2001), nr. 1-2, 173-185.

13. *S.-L. Qiu and M. Vuorinen,*, Some properties of the Gamma and Psi functions, with applications, Preprint (April 2002), Univ. of Helsinki, Math. Comp. (2004), electronic, Math. Comp. **74**(2005), 723-742.

14. *A. Vernescu*, The number e and the mathematics of exponentials, (Romanian), Ed. Univ. Bucureşti, 2004, 439pp.

15. *B.-N. Guo and F. Qi*, Monotonicity of sequences involving geometric means of positive sequence with monotonicity and logarithmical convexity, Math. Ineq. Appl. **9**(2006), no.1, 1-9.

16. *H. Alzer and C. Berg*, Some classes of completely monotonic functions, II, The Ramanujan Journal, **11**(2006), 225-248.

17. *G.W. Soules*, Permanental bounds for nonnegative matrices via decomposition, Linear Algebra Appl. **394**(2005), 73-89.

18. *J.A. Adell and H. Alzer*, A monotonicity property of Euler's gamma function, Publ. Math. Debrecen, 2010.

A41. 1. *K. Dilcher,* A Bibliography of Bernoulli numbers, http://www.mathstat.dal.ca/∼dilcher/

A43. 1. *L. Tóth,* Contributions to the study of arithmetical functions related to regular convolutions (Romanian), Ph. D. Thesis, 1995, Cluj, Romania.

2. *O. Bordellés*, Explicit upper bounds for the average order of d_n and applications to class number, JIPAM, 2002.

3. *O. Birdellés*, An inequality for the class number, JIPAM **7**(2006), no.3, article 87.

A44. 1. *G-Sheng Yang and H-Lan Wu,* A refinement of Hadamard's inequality for isotonic linear functionals, Tamkang J. Math. **27**(1996), 327-336.

2. *S.S. Dragomir and C.E.M. Pearce*, Selected Topics on Hermite-Hadamard Type Inequalities and Applications, RGMIA Monograph, 2000, Victoria Univ., Australia.

3. *S.S. Dragomir*, Further properties of some mappings associated with Hermite-Hadamard inequalities, Tamkang J. Math. **34**(2003), no.1, 45-57.

A45. 1. *S. Satyananda Panda,* Studies on Generalized Euler's totient function and homomorphism on groups of arithmetic functions, Ph. D. Thesis, 1977, Univ. Sambalpur (India).

2. *R.K. Guy,* Unsolved problems in number theory, Second ed., 1994, Springer Verlag.

3. *K.P.R. Sastry and S.N. Panda,* On the arithmetical functions $\sigma_k^*(n)$ and $\varphi_k^*(n)$, Bull. Calcutta Math. Soc. **88**(1996), no. 6, 497-502.

4. *R.K. Guy,* Unsolved problems in number theory, Third ed., Springer Verlag, 2004.

A46. 1. *P. Haukkanen,* On an inequality for $\sigma(n)\varphi(n)$, Octogon M.M. **4**(1996), 3-5.

A47. 1. *J. Matkowski and J. Ratz,* Convexity of power functions with respect to symmetric homogeneous means, Int. Ser. Num. Math., vol.123, General Inequalities, 7, 1997, Birkhäuser, pp. 231-247.

2. *P.S. Bullen,* Handbook of means and their inequalities, Kluwer Acad. Publ., 2003.

A48. 1. *H. Alzer,* Inequalities for arithmetic, geometric and harmonic means, Bull. London Math. Soc., **22**(1990), 362-366.

2. *H. Alzer,* The inequality of Ky Fan and related results, Acta Appl. Math. **38**(1995), 305-354.

3. *J.E. Pečarić and H. Alzer,* On Ky Fan's inequality, Mathematica Pannonica **6**(1994), 85-93.

4. *P.S. Bullen,* Handbook of means and their inequalities, Kluwer Acad. Publ., 2003.

5. *K.Z. Guan,* Some inequalities for a class of generalized means, JIPAM **5**(2004), no.3, art.69.

A50. 1. *H.-J. Seiffert,* Ungleichungen für einen bestimmten Mittelwert, Nieuw Arch. Wiskunde **13**(1995), 195-198.

2. *C.E.M. Pearce and J. Pečarić,* On some applications of integral power means, Octogon M.M. **5**(1997), 3-7.

3. *H.-J.Seiffert,* Ungleichungen für elementare Mittelwerte, Arch. Math. (Basel), **64**(1995), 129-131.

4. *Kuang Ji Chang,* Applied inequalities (Chinese), 2nd ed., Hunan Ed. Press, Changsha, 1993.

5. *Roger B. Nelson,* Power mean-identric mean inequality, Math. Mag. **65**(1992), 62-63.

6. *Fathi Saidi and Rahman Younis,* Hadamard and Fejér-type inequalities, Arch. Math. (Basel), **74**(2000), 30-39.

7. *S.S. Dragomir and C.E.M. Pearce*, Selected Topics on Hermite-Hadamard Type Inequalities and Applications, RGMIA Monographs, 2000, Victoria Univ., Australia.

8. *H. Alzer and S.-L.Qiu*, Inequalities for means in two variables, Arch. Math. (Basel), **80**(2003), no.2, 201-215.

9. *C.E.M. Pearce and J. Pečaric,* A continuous analogue and a extension of Rado's formulae, Bull. Austral. Math. Soc. **53**(1996), no. 2, 229-233.

10. *P.S. Bullen*, Handbook of means and their inequalities, Kluwer Acad. Publ., 2003.

11. *Zhen-Hang Yang*, Some identities for means and applications, RGMIA Collection, **8**(2005), no.3, article 17.

12. *Ling Zhu*, From chains for mean value inequalities for Mitrinovic's problem II, Int. J. Math. Ed. Sci. Techn. **36**(2005), 118-125.

13. *L. Zhu*, Some new inequalities for means in two variables, Math. Ineq. Appl., **11**(2008), 443-448.

14. *L. Zhu*, New inequalities for means in two variables, Math. Ineq. Appl., **11**(2008), 229-235.

15. *N. Batir and M. Cancan*, Sharp inequalities for the constant e and the sequence $\left(1 + \dfrac{1}{n}\right)^{n}$, Int. J. Math. Ed. Sci. Techn., **40**(2009), no. 8, 1101-1109.

16. *M. Kun Wang et al.*, Some comparison inequalities for generalized Muirhead and Identric means, J. Ineq. Appl., 2010, Article ID 295620, 10 pages.

17. *L. Matejička*, Proof of one optimality inequality for generalized logarithmic, arithmetic and geometric means, J. Ineq. Appl., 2010, Article ID902432, 5 pages.

18. *H. Du*, Some inequalities for bivariate means, Commun. Korean Math. Soc., **24**(2009), no. 4, 553-559.

19. *Bo-Yong Long and Yu-Ming Chu, Optimal inequalities for generalized logarithmic, arithmetic and geometric means*, JIA, 2010, Article ID806825.

A51.　1. *H.-J. Seiffert,* Ungleichungen für einen bestimmten Mittelwert, Nieuw Wiskunde **13**(1995), 195-198.

2. *Soon-Yeong Chung,* Functional means and harmonic functional means, Bull. Austral. Math. Soc. **57**(1998), 207-220.

3. *H.-J. Seiffert,* Solutions to Problem 10289, Amer. Math. Montly, 1996, 696-697.

4. *H. Alzer and S.-L. Qiu*, Inequalities for means in two variables, Arch. Math. (Basel), **80**(2003), no.2, 201-215.

5. *E. Neuman*, A generalization of an inequality of Jia and Can, JIPAM, **5**(2004), no.1, art.15, electronic.

6. *P.S. Bullen*, Handbook of means and their inequalities, Kluwer Acad. Publ., 2003.

7. *T. Trif*, Note on certain inequalities for means in two variables, JIPAM **6**(2005), no.2, art.43.

8. *P. Gao*, On an inequality of Diananda, III, Int. J. Math. Math. Sci. vol. 2006, Article ID 46382, 1-14.

9. *L. Zhu*, New inequalities for means in two variables, MIA, **11**(2008), 229-235.

10. *L. Zhu*, Some new inequalities for means in two variables, MIA, **11**(2008), 443-448.

11. *O. Kouba*, New bounds for the identric means of two arguments, JIPAM, **9**(2008), no. 3, article 71.

12. *W.W. Breckner and T. Trif*, Convex functions and related functional equations, Cluj Univ. Press, Cluj-Napoca, 2008.

13. *Z.-H. Yang*, On the monotonicity and log-convexity of a four parameter homogeneous mean, JIA, vol. (2009), ID 149286.

14. *M. Kun Wang et al.*, Some comparison inequalities for generalized Muirhead and Identric means, J. Ineq. Appl., 2010, Article ID 295620, 10 pages.

15. *L. Matejička*, Proof of one optimality inequality for generalized logarithmic, arithmetic and geometric means, J. Ineq. Appl., 2010, Article ID902432, 5 pages.

16. *H. Du*, Some inequalities for bivariate means, Commun. Korean Math. Soc., **24**(2009), no. 4, 553-559.

17. *Bo-Yong Long and Yu-Ming Chu, Optimal inequalities for generalized logarithmic, arithmetic and geometric means*, JIA, 2010, Article ID806825.

A52.   1. *H. Alzer,* The inequality of Ky Fan and related results, Acta Appl. Math. **38**(1995), 305-354.

2. *J. Rooin and A.R. Medghala,* New proofs for Ky Kan's inequality and two of its variants, Int. J. Appl. Math. **10**(2002), no.1, 51-57.

3. *P.S. Bullen*, Handbook of means and their inequalities, Kluwer Acad. Publ., 2003.

4. *J. Rooin,* Some refinements of Ky Fan's and Sándor's inequalities, Southeast Asian Bull. Math. **27**(2004), 1101-1109.

A54.   1. *M.A. Nyblom,* On irrational valued series involving generalized Fibonacci numbers, Fib. Quart. **37**(1999), No.4, 299-304.

2. *M.A. Nyblom*, Ibid, II, Fib. Quart. **39**(2001), 149-157.

A55.   1. *S. Finch,* Favorite constants, www.mathsoft.com/asolve/constant/e/e.html.

2. *H. Alzer and C. Berg*, Some classes of completely monotonic functions, II, The Ramanujan Journal, **11**(2006), 225-248.

A56.   1. *G-Sheng Yang and C-Shin Wang,* Some refinements of Hadamard's inequalities, Tamkang J. Math. **28**(1997), 87-92.

        2. *G-Sheng Yang and H-Lan Wu,* A refinement of Hadamard's inequalities for isotonic functionals, Tamkang J. Math. **27**(1996), 327-336.

        3. *G-Sheng Yang and M-Chung Hong,* A note on Hadamard's inequality, Tamkang J. Math **28**(1997), 33-37.

        4. *Mao Qi Ji and Z.F. Starc,* Certain inequalities for finite sums with the Fibonacci numbers, Mat. Bilten (Skopje), **25**(2001), 67-72.

        5. *M. Akkouchi and M. Goebel,* Some sharp inequalities of Hadamard's type and applications, Intern. Math. J. **2**(2002), no.8, 737-749.

        6. *G.-S. Yang and K.-L. Tseng,* On certain multiple integral inequalities related to Hermite-Hadamard inequality, Utilitas Math. **62**(2002), 131-142.

        7. *Mao Qi Ji and Z.F. Starc,* Certain inequalities for finite sums with the Fibonacci numbers, Mat. Bilten **25**(2001), 67-72.

        8. *M. Akkouchi,* A result on the mapping H of S.S. Dragomir with applications, Facta Univ. (Niš), Ser. Math. Inf. **17**(2002), 5-12.

        9. *B.G. Pachpatte,* Mathematical inequalities, Elsevier, 2006.

A57.   1. *René Guitart,* Fonctions d'Euler-Jordan et de Gauss et exponentielle dans les semi-anneaux de Burnside, Cah. Topologie Géom. Différ. Catégoriques, **33**(1992), 253-260.

A59.   1. *A. Vernescu and Şerban Buzeţeanu,* On certain sequences of form
        $A_n = (n+1)a_{n+1} - na_n$ (Romanian), Lucr. Sem. Did. Mat. **13**(1998), 225-228.

A60.   1. *D.S. Mitrinović, J.E. Pečarić and A.M.Fink,* Classical and new inequalities in Analysis, Kluwer Acad. Publ., 1993.

A64.   1. *P. Cerone and S.S. Dragomir,* Three point identities and inequalities for n-time differentiable functions, RGMIA Research Report Collection **2**(1999), No.2, 1075-1103; see also SUT J. Math. **36**(2000), no.2, 351-383.

2. *P. Cerone and S.S. Dragomir,* Midpoint type rules from an inequalities point of view, RGMIA Research Report Collection, **2**(1999), No.7, 915-965.

3. *P. Cerone, S.S. Dragomir and J. Roumeliotis,* Some Ostrowski type inequalities for n-time differentiable mapping and applications, Demonstratio Math. **32**(1999), No.4, 697-712.

4. *S.S. Dragomir and C.E.M. Pearce*, Selected Topics on Hermite-Hadamard Type Inequalities and Applications, RGMIA Monographs, 2000, Victoria Univ., Australia.

5. *B.G. Pachpatte*, On Grüss type integral inequalities, JIPAM, **3**(2002), Issue 1, article 11 (electronic).

6. *P. Cerome and S.S. Dragomir,* Three point quadrature rules, in: *S.S. Dragomir and Th.M. Rassias* (eds), Ostrowsky type inequalities and applications in numerical integration, Kluwer Acad. Publ., 2002, pp. 141-250.

7. *S.S. Dragomir*, Further properties of some mappings associated with Hermite-Hadamard inequalities, Tamkang J. Math. **34**(2003), no.1, 45-57.

8. *S. Mazouzi and F. Qi*, On an open problem by Feng Qi regarding an integral inequality, RGMIA Research Report Collection, **6**(2003), no.1, 65-71.

9. *B.G. Pachpatte*, Mathematical inequalities, Elsevier, 2006.

A68. 1. *P.S. Bullen*, Handbook of means and their inequalities, Kluwer Acad. Publ., 2003.

A69. 1. *L. Panaitopol*, Some properties of Liouville's function, Bull. Math. Soc. Sc. Math. Roumanie **44**(92)(2001), no.4, 365-370.

A73. 1. *L. Tóth,* Contributions to the study of arithmetic functions related to regular convolutions, Ph. D. Thesis, 1995, Cluj, Romania.

2. *R.G. Buschman*, Number-theoretical function products, Univ. of Wyoming, USA, 1996 (71pp.), Zbl.863.11001.

3. *R.K. Guy*, Unsolved problems in number theory, Third ed., Springer Verlag, 2004.

4. *A. Bege*, Old and new arithmetic functions (Hungarian), Ed. Scientia, Cluj, 2006.

A74. 1. *D.S. Mitrinović, J.E. Pečarić and A.M.Fink,* Classical and new inequalities in Analysis, Kluwer Acad. Publ., 1993.

A76. 1. *P. Haukkanen,* Some limits involving Jordan's function and the divisor function, Octogon M.M. **3**(1995), 8-11.

A81. 1. *L. Losonczi and Zs. Páles,* Minkowski's inequality for two variable difference means, Proc. Amer. Math. Soc., **126**(1998), no.3, 779-789.

2. *Soon-Yeong Chung,* Functional means and harmonic functional means, Bull. Austral. Math. Soc. **57**(1998), 207-220.

3. *H. Alzer and S.-L. Qiu*, Inequalities for means in two variables, Arch. Math. (Basel), **80**(2003), 201-215.

4. *G.D. Anderson, M.K. Vamanamurthy and M. Vuorinen*, Topics in special functions, in: Papers on Analysis, A volume dedicated to Olli Martio, Report. Univ. Jyväskylä **83**(2001), 5-26.

5. *L. Losonczi*, Inequalities for Cauchy mean values, Math. Ineq. Appl. **5**(2002), no. 3, 349-359.

6. *L. Losonczi*, Equality of two variable Cauchy mean values, Aequationes Math. **65**(2003), 61-81.

7. *P.S. Bullen*, Handbook of means and their inequalities, Kluwer Acad. Publ., 2003.

8. *H. Alzer and S.-L. Qiu*, Monotonicity theorems and inequalities for the complete elliptic integrals, J. Comp. Appl. Math. **172**(2004), 289-312.

9. *P. Gao*, On an inequality of Diananda, III, Int. J. Math. Math. Sci. vol. 2006, Article ID 46382, 1-14.

92

10. *O. Bagdasar*, Inequalities and applications, Bachelor's degree thesis, pp. 1-64, http://rgmia.vu.edu.au/monographs/final-carte.pdf

11. *L. Matejička*, Proof of one optimal inequality for generalized logarithmic, arithmetic and geometric means, J. Ineq. Appl., 2010, Article ID902432, 5 pages.

12. *H. Du*, Some inequalities for bivariate means, Commun. Korean Math. Soc., **24**(2009), no. 4, 553-559.

13. *Bo-Yong Long and Yu-Ming Chu*, Optimal inequalities for generalized logarithmic, arithmetic and geometric means, JIA, 2010, Article ID806825.

A82.　1. *P.S. Bullen*, Handbook of means and their inequalities, Kluwer Acad. Publ., 2003.

2. *M.-K. Wang et al.*, Some comparison inequalities for generalized Muirhead and Identric means, J. Ineq. Appl., 2010, Article ID295620, 10 pages.

A83.　1. *J.E. Pečarić and I. Raşa,* Some inequalities and identities for means, Studia Univ. Babeş-Bolyai, Math, **39**(1994), 15-17.

2. *P.S. Bullen*, Handbook of means and their inequalities, Kluwer Acad. Publ., 2003.

3. *T. Trif*, Note on certain inequalities for means in two variables, JIPAM **6**(2005), no.2, art.43.

4. *Zhen-Hang Yang*, Some identities for means and applications, RGMIA Collection **8**(2005), no.3, article 17.

5. *M.-K. Wang et al.*, Some comparison inequalities for generalized Muirhead and Identric means, J. Ineq. Appl., 2010, Article ID295620, 10 pages.

A85.　1. *J. Seibert and P. Trojovský,* On some properties of one special type of polynomials and numbers, Tatra Mt. Math. Publ., **20**(2000), 75-85.

2. *L. Zsidó,* A unified way to get the n-th root and the arithmetic-geometric mean inequality, Octogon M.M. **10**(2002), 37-42.

A86.   1. *J.M. De Koninck and I. Kátai*, On the frequency of k-deficient numbers, Publ. Math. Debrecen **61**(3-4), 595-602.

2. *R.K. Guy*, Unsolved problems in number theory, Third ed., Springer Verlag, 2004.

A87.   1. *M.-K. Wang et al.*, Some comparison inequalities for generalized Muirhead and Identric means, J. Ineq. Appl., 2010, Article ID295620, 10 pages.

A89.   1. *K.T. Atanassov,* Inequalities for φ, ψ and σ functions, Octogon M.M. **3**(1995), 11-13.

2. *L. Panaitopol and A. Gica,* An introduction to arithmetics and number theory (Romanian), Ed. Univ. Bucureşti, 2001.

A91.   1. *Feng Qi and L. Debnath,* On some new generalization of Alzer's inequality, Int. J. Math. Math. Sci. **23**(2000), No.12, 815-818.

2. *N. Elezović and J. Pečarić,* On Alzer's inequality, J. Math. Anal. Appl. **223**(1998), 366-369.

3. *K. Jichang,* Some extensions and refinements of Minc-Sathre inequality, Math. Gazette, 123-127, March 1999.

4. *F. Qi,* Generalization of H. Alzer's inequality, J. Math. Anal. Appl. **240**(1999), 294-297.

5. *F. Qi and B.-N. Guo*, An algebraic inequality, II, RGMIA Research Report Collection **4**(2001), no.1, 55-61.

6. *F. Qi and B.-N. Guo*, Monotonicity of sequences involving convex function and sequence, RGMIA Research Report Collection **3**(2000), no.2, 321-329.

7. *F. Qi and B.-N. Guo*, Some inequalities involving the geometric mean of natural numbers and the ratio of gamma functions, RGMIA Research Report Collection **4**(2001), no.1, 41-48.

8. *F. Qi*, Generalizations of Alzer's and Kuang's inequality, Tamkang J. Math. **31**(2000), no. 3, 223-227.

9. *C-Ping Chen and F. Qi*, Notes on proofs of Alzer's inequality, Octogon Math. Mag.

10. *J.S. Ume*, An inequality for a positive real function, Math. Ineq. Appl. **5**(2002), no.4, 693-696.

11. *P.S. Bullen*, Handbook of means and their inequalities, Kluwer Acad. Publ., 2003.

12. *Zheng Liu*, New generalization of H. Alzer's inequality, Tamkang J. Math. **34**(2003), no.3, 255-260.

13. *Feng Qi and Bai-Ni Guo*, An inequality between ratio of the extended logarithmic means and ratio of the exponential means, Taiwanese J. Math. **7**(2003), no.2, 229-237.

14. *Bai-Ni Guo and Feng Qi*, Inequalities and monotonocity for the ratio of gamma functions, Taiwanese J. Math. **7**(2003), no.2, 239-247.

15. *Zheng Liu*, New generalization of H. Alzer's inequality, Tamkang J. Math. **34**(2003), no.3, 255-260.

16. *Feng Qi and Nasser Towghi*, Inequalities for the ratios of the mean values of functions, Nonlinear Funct. Anal. Appl. **9**(2004), no.1, 15-23.

17. *C.F. Chen and Feng Qi*, The inequality of Alzer for negative powers, Octogon M.M. **11**(2003), no.2, 442-445.

18. *Chao-Ping Chen and Feng Qi*, Extension of an inequality of H. Alzer for negative powers, Tamkang J. Math. **36**(2004), no.1, 69-72.

19. *J.S. Ume, Z. Liu and J.N. Mcdonald*, A simple proof of generalized Alzer inequality, Indian J. Pure Appl. Math. **35**(2004), no.8, 969-971.

20. *F. Qi and B.-N. Guo*, Monotonicity of sequences involving convex function and sequence, Math. Ineq. Appl. **9**(2006), no.2, 247-254.

21. *F. Qi, B.-N. Guo and L. Debnath*, A lower bound for ratio of power means, Int. J. Math. Math. Sci. 2004, 1(2004), 49-53.

22. *C.-P. Chen and F. Qi*, On integral version of Alzer's inequality and Martins' inequality, RGMIA Research Collection **8**(2005), no.1, 113-118.

23. *F. Qi, S.-X. Chen and C.-P. Chen*, Monotonicity of ratio between the generalized logarithmic means, Mathematical Inequalities Appl., **10**(2007), no.3, 559-564.

24. *C. Mortici*, A double inequality involving $(\Gamma(r))^{1/r}$ via the multiplication formula of Gauss, J. Adv. Stud., **2**(2009), no. 2, 57-62.

25. *G. Bennett*, Meaningful sequences, Houston J. Math., **33**(2007), no. 2, 555-580.

26. *S. Abramovich et al.*, On van de Lune-Alzer inequality, J. Math. Ineq., **1**(2007), no. 4, 563-587.

27. *Jian-She Sun*, Further generalizations of inequalities and monotonicity for the ratio of gamma function, Intern. J. Appl. M. S., **2**(2005), no. 2, 248-252.

28. *C.-P. Chen*, The monotonicity of the ratio between generalized logarithmic means, J. Math. Anal. Appl., **345**(2008), no. 1, 86-89.

29. *F. Qi et al.*, A generalization of can der Corput's inequality, Appl. Math. Comp., **203**(2008), no. 2, 770-777.

30. *L. Losonczi*, Ratio of Stolarsky means, monotonicity and comparison, Publ. Math. Debrecen, 2009, 1-18.

A93. 1. *M. Vuorinen,* Quasiconformal maps, conformal invariants and special functions, Univ. of Helsinki, 1996; pp. 1-44 and 1-7 (Lublin Lectures, August 15-21, 1996).

2. *Soon-Yeong Chung,* Functional means and harmonic functional means, Bull. Austral. Math. Soc. **57**(1998), 207-220.

3. *H. Alzer and S.-L. Qiu*, Inequalities for means in two variables, Arch. Math. (Basel), **80**(2003), 201-215.

4. *G.D. Anderson, M.K. Vamanamurthy and M. Vuorinen*, Topics in special functions, in: Papers on Analysis, A volume dedicated to Olli Martio, Report. Univ.

Jyväskylä **83**(2001), 5-26.

5. *L. Losonczi*, Inequalities for Cauchy mean values, Math. Ineq. Appl. **5**(2002), no. 3, 349-359.

6. *P.S. Bullen*, Handbook of means and their inequalities, Kluwer Acad. Publ., 2003.

7. *H. Alzer and S.-L. Qiu*, Monotonicity theorems and inequalities for the complete elliptic integrals, J. Comp. Appl. Math. **172**(2004), 289-312.

8. *I.J. Taneja*, Refinement inequalities among means, arXiv.math.GM/0505192 V10, 10.

9. *L. Zhu*, New inequalities for means in two variables, MIA, **11**(2008), no. 2, 229-235.

10. *N.S. Barnett and S.S. Dragomir* (editors), Advances in inequalities from probability theory and statistics, Nova Sci. Publ. Inc., USA, 2008.

11. *L. Matejička*, Proof of one optimal inequality for generalized logarithmic, arithmetic and geometric means, J. Ineq. Appl., 2010, Article ID902432, 5 pages.

12. *B.-Y. Long and Y.-M. Chu*, Optimal inequalities for generalized logarithmic, arithmetic and geometric means, JIA, 2010, Article ID806825.

A95. 1. *M.S. Pop*, On a mean value theorem of J. Sándor (Romanian), Lucr. Sem. Creat. Mat., Univ. Baia Mare, **5**(1995-1996), 104-108.

2. *Sz. András and M. Mureşan*, Mathematical analysis and its applications, (Hungarian), Ed. Did. şi Ped., Bucureşti, 2005.

A98. 1. *D.-S. Marinescu,* The Lipschitz continuity of convex functions, Ph.D. Thesis, 2003, Babeş-Bolyai Univ.

2. *B.G. Pachpatte*, Mathematical inequalities, Elsevier, 2006.

A99. 1. *M. Akkouchi and M. Goebel*, Some sharp inequalities of Hadamard's type applications, Intern. Math. J. **2**(2002), no.8, 737-749.

2. *M. Akkouchi*, A result on the mapping H of S.S. Dragomir with applications, Facta Univ. (Niš), Ser. Mat. Inf. **17**(2002), 5-12.

A100. 1. *L. Losonczi*, Inequalities for Cauchy mean values, Math. Ineq. Appl. **5**(2002), no. 3, 349-359.

2. *P.S. Bullen*, Handbook of means and their inequalities, Kluwer Acad. Publ., 2003.

3. *M.-K. Wang et al.*, Some comparison inequalities for generalized Muirhead and Identric means, J. Ineq. Appl., 2010, Article ID296620, 10 pages.

A102. 1. *O. Bordellés*, An inequality for the class number, JIPAM **7**(2006), issue 3, article 87.

2. *A. Bege*, Old and new arithmetic functions (Hungarian), Ed. Scientia, Cluj, 2006.

A103. 1. *F. Qi and M.-L. Yang*, Comparisons of two integral inequalities with Hermite-Hadamard-Jensen's integral inequality, Octogon Math. Mag. **14**(2006), no.1, 53-58.

A104. 1. *M. Le,* An inequality concerning the Smarandache functions, Smarandache N.J., **9**(1998), No.1-2, 124-125.

2. *C. Dumitrescu and V. Seleacu,* The Smarandache function, Erhus Univ. Press, USA, 1996.

3. *E.W. Weisstein,* CRC Concise Encyclopedia of Mathematics, Boca Raton, Washington D.C., 1998.

A105. 1. *K.T. Atanassov,* Inequalities for φ, ψ and σ functions, II., Octogon M.M. **4**(1996), No.2, 18-20.

2. *K.T. Atanassov,* Remarks on φ and ψ functions, Notes Numb. Th. Discr. Math. **2**(1996), 5-6.

A111. 1. *S. Finch,* www.mathsoft.com/asolve/constant/e/e.html

2. *B.-N. Guo and F. Qi,* Monotonicity of sequences involving geometric means of positive sequences with monotonicity and logarthmical convexity, Math. Ineq. Appl. **9**(2006), no.1, 1-9.

3. *J.A. Adell and H. Alzer*, A monotonicity property of Euler's gamma function, Publ. Math. Debrecen, 2010.

A112.   1. *J.E. Pečarić and S. Varošanec,* A new proof of the arithmetic mean-geometric mean inequality, J. Math. Anal. Appl. **215**(1997), 577-578.

2. *Wan Wanglan, Ma Hongjang Ma and Chen Li,* Sándor-Szabó's method establishing inequalities (Chinese), J. Chengdu Univ. **19**(2000), No.4, 19-26.

3. *Wan-lan Wang,* Some inequalities involving means and their converses, J. Math. Anal. Appl. **238**(1999), 567-579.

4. *Wan Wanglan and Luo, Zhao*, Some generalizations for inequalities of Hua-Wang type, J. Math. Research and Exp. **22**(2002), no.4, 575-582.

5. *P.S. Bullen*, Handbook of means and their inequalities, Kluwer Acad. Publ., 2003.

A114.   1. *M. Bencze,* A new type of mean value theorem, Octogon M.M. **8**(2000), No.2, 381-384.

A115.   1. *G.-L. Forti and L. Paganoni*, Works on functional equations and inequalities in several variables - XX, Aequationes Math. **65**(2003), 165-200.

A118.   1. *H. Alzer and S.-L. Qiu*, Inequalities for means in two variables, Arch. Math. (Basel).

2. *P.S. Bullen*, Handbook of means and their inequalities, Kluwer Acad. Publ., 2003.

3. *T. Reidel and P.R. Sahoo*, A characterization of the Stokarsky mean, Aequationes Math. **70**(2005), 51-62.

A119.   1. *Gh. Toader,* Some properties of means, Octogon M.M. **6**(1998), No.2, 14-19.

2. *H. Alzer and S.-L. Qiu*, Inequalities for means in two variables, Arch. Math. (Basel), 2002.

3. *P.S. Bullen*, Handbook of means and their inequalities, Kluwer Acad. Publ., 2003.

4. *D. Acu*, Some inequalities for certain means of two arguments, General Math. **9**(2001), no.1-2.

5. *S. Simić*, Jensen's inequality and new entropy bounds, Appl. Math. Letters, **22**(2009), no. 8, 1262-1265.

6. *M.-K. Wang et al.*, Some comparison inequalities for generalized Muirhead and Identric means, J. Ineq. Appl., 2010, Article ID296620, 10 pages.

7. *H. Du*, Some inequalities for bivariate means, Commun. Korean Math. Soc., **24**(2009), no. 4, 553-559.

8. *S. Simić*, Jensen's inequality and new entropy bounds, Appl. Math. Letters, **22**(2009), no. 8, 1262-1265.

A120. 1. *P. Haukkanen,* An exponential Busche-Ramanujan identity, Mathematica (Cluj), **41**(64), 1999, No.2, 177-185.

2. *L. Tóth*, On certain arithmetic functions involving exponential divisors, Annales Univ. Sci. Budapest, Sect. Comp. **24**(2004), 285-294.

3. *L. Tóth*, On exponentially coprime integers, Pure Math. Appl. (PUMA) **15**(2004), 343-348.

A121. 1. *S. Tabîrcă and T. Tabîrcă,* The convergence of Smarandache harmonic series, Smarandache N.J. **9**(1998), 27-35.

2. *E.W. Weisstein,* CRC Concise Encyclopedia of Math., Boca Raton, Washington D.C., 1998.

3. *Fl. Smarandache,* Definitions, solved and unsolved problems, conjectures and theorems in number theory and geometry, Xiquan Publ. House (Phoenix, USA), 2000 (see p. 80).

4. *M.L. Perez,* Constants involving the Smarandache function, http://www.unm.edu/ smarandache/CONSTANT.TXT.

A122.   1. *C.F. Chen and F. Qi*, The inequality of Alzer for negative powers, Octogon M.M. **11**(2003), no.2, 442-445.

2. *F. Qi, S.-X. Chen and C.-P. Chen*, Monotonicity of ratio between the generalized logarithmic means, Mathematical Inequalities Appl., **10**(2007), no.3, 559-564.

A128.   1. *B. Finta,* Some geometric inequalities (Romanian), Lucr. Semin., Did. Mat. 1998, p.25.

A132.   1. *Yuan Yi and Xiaoyn Kang*, Research on Smarandache Problems (Chinese), High American Press, USA, 2006.

A138.   1. *W. Schramm*, The Fourier transform of functions of the greatest common divisor, Integers, **8**(2008), # A150.

A139.   1. *N.S. Barnett and S.S. Dragomir* (editors), Advances in inequalities from probability theory and statistics, Nova Sci. Publ., 2008.

A140.   1. *M. Bencze,* New means, new inequalities and refinements, Octogon M.M. **9**(2001), No.1, 46-104.

2. *D. Mărghidanu*, Two trigonometrical means that produce continuous refinement of the inequality of the classic means, Octogon M.M. **12**(2004), no.2A, 664-667.

A142.   1. *M. Bencze,* New means, new inequalities and refinements, Octogon M.M. **9**(2001), No.1, 46-104.

2. *J. Matkowski*, Affine and convex functions with respect to the logarithmic mean, Colloq. Math. **95**(2003), no.2, 217-230.

3. *P.A. Hästö*, Optimal inequalities between Seiffert mean and power mean, Math. Ineq. Appl. **7**(2004), no.1, 47-53.

A145.   1. *M. Le*, A mean inequality on Smarandache function, Octogon Math. Mag., **15**(2007), no.1, 495-496.

A148.   1. *J. Rooin*, On Ky Fan's inequality and its additive analogues, Math. Ineq. Appl. **6**(2003), no.4, 595-604.

2. *P.S. Bullen*, Handbook of means and their inequalities, Kluwer Acad. Publ., 2003.

3. *K.-Z. Guan*, Some inequalities for a class of generalized means, JIPAM **5**(2004), no.3, art.69.

4. *K.C. Richards and H.C. Tiedeman*, A note on weighted identric and logarithmic means, JIPAM **7**(2006), no.5, article 157.

5. *J. Rooin*, On the Ky Fan's inequality and its additive analogues, MIA, **6**(2003), no.4, 595-604.

A149.   1. *F. Qi and L. Debnath,* On a new generalization of Alzer's inequality, Int. J. Math. Math. Sci. **23**(2000), No.12, 815-818.

2. *F. Qi*, An algebraic inequality, JIPAM, **2**(2001), Issue 1, article 13 (electronic), 3 pages.

3. *B.-N. Guo and F. Qi*, An algebraic inequality, II, RGMIA Research Report Collection **4**(2001), no.1, 55-61.

4. *F. Qi and B.-N. Guo*, Monotonicity of sequences involving convex function and sequence, RGMIA Research Report Collection, **3**(2000), no.2, 321-329.

5. *F. Qi and B.-N. Guo*, Some inequalities involving the geometric mean of natural numbers and the ratio of gamma functions, RGMIA Research Report Collection **4**(2001), no.1, 41-48.

6. *Feng Qi and Bai-Ni Guo*, An inequality between ratio of the extended logarithmic means and ratio of the exponential means, Taiwanese J. Math. **7**(2003), no.2, 229-237.

7. *Bai-Ni Guo and Feng Qi*, Inequalities and monotonicity for the ratio of Gamma functions, Taiwanese J. Math. **7**(2003), no.2, 239-247.

8. *F. Qi and B.-N. Guo*, Monotonicity of sequences involving convex function and sequence, Math. Ineq. Appl. **9**(2006), no.2, 247-254.

9. *F. Qi, S.-X. Chen and C.-P. Chen*, Monotonicity of ratio between the generalized logarithmic means, Mathematical Inequalities Appl., **10**(2007), no.3, 559-564.

A150.   1. *M.L. Perez,* Five Smarandache conjectures on primes, http://www.gallup.unm.edu/ smarandache/conjprim.txt.

A151.   1. *M. Le*, The functional equation $S(n) = Z(n)$, Octogon Math. Mag. **14**(2006), no.1, 180-182.

A153.   1. *M. Bencze,* About perfect k^{th} powers of positive integers, Octogon M.M. **8**(2000), No.1, 119-126.

2. *F. Luca,* On a divisibility property involving factorials, C.R. Acad. Bulg. Sci. **53**(2000), No.6, 35-38.

3. *K.T. Atanassov*, Remark on József Sándor and Florian Luca's theorem, C.R. Acad. Bulg., **55**(2002), 9-14.

4. *Maohua Le*, A conjecture concerning the Smarandache dual function, SNJ **14**(2004), 153-155.

5. *Liu Yanni*, Smarandache multiplicative function, Scientia Magna **1**(2005), no.1, 111-115.

6. *Yi Yuan and Z. Wenpeng*, Mean value of the additive analogue of the Smarandache function, Scientia Magna **1**(2005), no.1, 153-155.

7. *Zhu Minhui*, Mean value of the additive analogue of the Smarandache function, Scientia Magna **1**(2005), no.1, 187-200.

8. *Zhu Minhui*, On the mean value of the Smarandache double factorial function, Scientia Magna **1**(2005), no.1, 205-209.

9. *T. Kim, C. Adiga and J.H. Han*, A note on q-analogue of Sándor's functions, Sci. Magna **2**(2006), no.1, 30-34.

10. *Yuan Yi and Xiaoyn Kang*, Research on Smarandache Problems (Chinese), High American Press, USA, 2006.

11. *Ding Liping*, On the primitive numbers of power p and its triangle inequality, in: Research Smarandache Problems in Number Theory, Hexis, 2004, USA, vol.I (see pp.47-48).

12. *Shejiao Xue*, On the Smarandache dual function, Scientia Magna, **3**(2007), no.1, 29-32.

13. *Zhu Weiyi*, On the asymptotic property of the F. Smarandache function $S(mn)$, Pure and Appl. Math., **23**(2007), no.1, p.1-3, 27.

A159. 1. *M. Bencze,* New means, new inequalities and refinements, Octogon M.M. **9**(2001), No.1, 46-104.

2. *O. Bagdasar*, Means of defining new means, and a solution to OQ. 407, Octogon Math. Mag. **14**(2006), no.1, 429-431.

3. *O. Bagdasar*, Inequalities and applications;
http://rgmia.vu.edu.au/monographs/final-carte.pdf

A170. 1. *H. Alzer and S.-L. Qiu*, Inequalities for means in two variables, Arch. Math. (Basel), **80**(2003), 201-215.

2. *H. Alzer and C. Berg*, Some classes of completely monotonic functions, Preprint No.16, 2001, Univ. of Copenhagen.

3. *F. Qi and B.-N. Guo*, Some inequalities involving the geometric mean of natural numbers and the ratio of gamma functions, RGMIA Research Report Collection, **4**(2001), no.1, 41-48.

4. *X. Yang*, Approximation for constant e and their applications, J. Math. Anal. Appl. **262**(2001), 651-659.

5. *N. Batir*, Sharp inequalities for factorial n, RGMIA Research Report Collection **9**(2006), no.3, article 10.

6. *N. Batir*, Sharp inequalities involving the constant e and the sequence $\left(1 + \dfrac{1}{n}\right)^n$, RGMIA **9**(2006), no.4.

7. *Chinese author*, On some inequalities about exponent e and Stirling's formula (Chinese), J. Zhejiang Wanli Univ. **16**(2003), no.2, 48-51.

8. *C.-P. Chen and F. Qi*, Logarithmically completely monotonic ratios of mean values and an application, RGMIA **8**(2005), no.1, 147-152.

9. *Da-Wei Niu, Jian Cao and F. Qi*, A class of completely monotonic functions related to $\left(1 + \dfrac{1}{x}\right)^x$ and an application, General Math., **14**(2006), no.4, 97-112.

10. *B.N. Guo and F. Qi*, Inequalities and monotonicity for the ratio of gamma functions, Taiwanese J. Math., **7**(2003), no.2, 239-247.

11. *S. Guo*, Monotonicity and concavity property of some functions involving the gamma function with applications, **7**(2006), no.2, art.45.

A171. 1. *Eitan Tadmor*, Dedication, Sian J. Numerical Analysis, **35**(1998), issue 6, 1-5.

A172. 1. *A. Witkonski*, Seiffert means in a triangle, RGMIA Collection, **7**(2004), no.4, article 8.

A173. 1. *D.M. Bătineţu-Giurgiu and M. Bencze,* The Lalescu sequence, Octogon M.M. **9**(2001), No.1, 443-451.

A178. 1. *M. Bencze,* New inequalities in triangle, Octogon M.M. **9**(2001), No.1, 355-368.

2. *D.M. Bătineţu-Giurgiu and M. Bencze,* The Lalescu sequence, Octogon M.M. **9**(2001), No.1, 443-451.

3. *D.M. Bătineţu-G. and M. Bencze,* A simple way of calculating the limit of the Bătineţu-Giurgiu sequence, Octogon M.M. **9**(2001), No.1, 459-462.

4. *M. Bencze and D.M. Bătineţu-Giurgiu,* Inequalities for gamma function, Octogon M.M. **10**(2002), No.1, 233-246.

A185.   1. *M. Bencze,* New inequalities in triangle, Octogon M.M. **9**(2001), No.1, 355-368.

2. *M. Bencze and M.Dincă,* Sharp inequalities in triangle, Octogon M.M. **9**(2001), No.1, 337-342.

A192.   1. *G.D. Anderson, M.K. Vamanamurthy and M. Vuorinen,* Topics in special functions, in: Papers on Analysis, A volume dedicated to Olli Martio, Report. Univ. Jyväskylä **83**(2001), 5-26.

2. *P.A. Hästö,* Optimal inequalities between Seiffert mean and power mean, Math. Ineq. Appl. **7**(2004), no.1,47-53.

3. *L. Matejička,* Proof of one optimal inequality for generalized logarithmic, arithmetic and geometric means, J. Ineq. Appl., 2010, Article ID902432, 5 pages.

4. *H. Du,* Some inequalities for bivariate means, Commun. Korean Math. Soc., **24**(2009), no. 4, 553-559.

5. *B.-Y. Cong and Y.-M. Chen,* Optimal inequalities for generalized logarithmic, arithmetic and geometric means, JIA, 2010, Article ID806825.

6. *S. Wang and Y. Chu,* The best bounds of the combination of arithmetic and harmonic means for the Seiffert's mean, Int. J. Math. Analysis, **4**(2010), no. 22, 1079-1084.

7. *C. Zhong and Y. Chu,* An inequality among identric, geometric and Seiffert's means, Intern. M. Forum, **5**(2010), no. 26, 1297-1302.

A194.   1. *B.-N. Guo and F. Qi,* Monotonicity of sequences involving geometric means of positive sequences with monotonicity and logarithmical convexity, Math. Ineq. Appl. **9**(2006), no.1, 1-9.

A195.   1. *M.L. Perez,* http://www.gallup.unm.edu/ smarandache/jsandor2.htm.

A197.   1. *M.L. Perez,* http://www.gallup.unm.edu/ smarandache/jsandor3.htm.

A200.   1. *M. Radić*, Certain inequalities concerning some kinds of chordal polygons, JI-
        PAM **5**(2004), no.1, electronic.

A209.   1. *K. Dilcher,* A Bibliography of Bernoulli numbers,
        http://www.mathstat.dal.ca/∼dilcher/

A223.   1. *K. Dilcher,* A Bibliography of Bernoulli numbers,
        http://www.mathstat.dal.ca/∼dilcher/

A237.   1. *O. Kouba*, New bounds for the identric means of two arguments, JIPAM,
        9(2008), no. 3, article 71.

        2. *H. Du*, Some inequalities for bivariate means, Commun. Korean M.S., **24**
        (2009), no. 4, 553-559.

A238.   1. *A. Bege*, On multiplicatively unitary perfect numbers, Seminar on Fixed Point
        Theory, Cluj, **2**(2001), 59-63.

        2. *N.J.A. Sloan*, Encyclopedia of integer sequences, www.research.att.com/cgi-
        bin/access.cgi/as/njas/sequences/index.html (see A004394, A007422)

        3. *A. Bege*, On multiplicatively bi-unitary perfect numbers, to appear.

        4. *A. Bege*, Old and new arithmetic functions (Hungarian), Ed. Scientia, Cluj,
        2006.

A241.   1. *T. Kim, C. Adiga and J.H. Han*, A note on q-analogue of Sándor's functions,
        Sci. Magna **2**(2006), no.1, 30-34.

        2. *Yuan Yi and Xiaogu Kang*, Research on Smarandache problems (Chinese),
        High American Press, USA, 2006.

        3. *Na Yuan*, On the solutions of an equation involving the Smarandache dual
        function, Sci. Magna **2**(2006), no.2, 27-30.

        4. *Li Jie*, On Smarandache dual function, Sci. Magna **2**(2006), no.1, 111-113.

        5. *Shejiao Xue*, On the Smarandache dual function, Scientia Magna, **3**(2007),
        no.1, 29-32.

6. *H. Li*, A generalization of the Smarandache function, Scientia Magna, **4**(2008), no. 1, 31-34.

7. *J. Wang*, On the value distribution..., Scientia Magna, **3**(2007), 111-114.

A246. 1. *K. Guan and H. Zhu*, The generalized Heronian mean and its inequalities, Univ. Beograd Publ. Elektr. Fak., Ser. Mat. **17**(2006).

2. *C.P. Niculescu and L.E. Persson*, Old and new on the Hermite-Hadamard inequality, Real Anal. Exchange, **29**(2003), no.2, 663-685.

3. *W.W. Breckner and T. Trif*, Convex functions and related functional equations, Presa Univ. Clujeană, Cluj-Napoca, 2008.

4. *Wan-Lan Wang*, The counterpart of Fan's inequality and its related results, JIPAM, **9**(2008), issue 4, article 109.

5. *P.S. Bullen*, Handbook of means and their inequalities, Kluwer Acad. Publ., 2003.

6. *S. Hussain*, On Jensen's and related inequalities, Doctoral Thesis, Abdus Salam Schoof Math. Sci., Lahore, Pakistan, 2009.

A247. 1. *N.J.A. Sloan*, Encyclopedia of integer sequences, www.research.att.com/cgi-bin/access.cgi/as/njas/sequences/index.html (see A004394)

A248. 1. *Zhen-Hang Yang*, Some identities for means and applications, RGMIA Research Reports, **8**(2005), no.3, article 17.

A250. 1. *C.-P. Chen*, A class of double inequality for Stolarsky means, Proc. Jangjeon M. S., **12**(2009), no. 1, 17-20.

A251. 1. *W. Schramm*, The Fourier transform of functions of the greatest common divisor, Integers, **8**(2008), # A150.

A254. 1. *M. Dincă and M. Bencze,* A refinement of Euler's and Emmerich's inequalities, Octogon M.M. **10**(2002), 320-321.

2. *O.T. Pop*, Inequalities for right triangles, Octogon Math. Mag. **14**(2006), no.1, 277-280.

A255.   1. *O. Pop and C. Voicu*, Inequalities for any right triangle, Octogon M.M. **11**(2003), no.2, 519-524.

2. *O.T. Pop*, Inequalities for right triangles, Octogon Math. Mag. **14**(2006), no.1, 277-280.

3. *O.T. Pop*, On some inequalities for right triangles, Octogon Math. Mag. **14**(2006), no.1, 270-272.

A261.   1. *M. Dincă and M. Bencze,* New generalizations of Finsler-Hudwiger's inequality, Octogon M.M. **10**(2002), 142-145.

A283.   1. *C. Adiga and T. Kim*, On a generalization of Sándor function, Proc. Jangjeon Math. Soc. **5**(2002), no.2, 121-124.

2. *C. Adiga, S.N. Fathima, T. Kim, D.D. Somashekara*, On a q-analogue of Sándor's function, JIPAM, **4**(2003), no.5, art.84.

3. *N. Anitha,* A note on Sándor type functions, JIPAM, **6**(2005), no.4, art.127.

4. *Yao Weili*, The additive analogue of Smarandache function, in: Z. Wenpeng et al, Research on Smarandache problems in number theory, Hexis, USA, 2004; see pp. 109-112.

5. *Shejiao Xue*, On the Smarandache dual function, Scientia Magna, **3**(2007), no.1, 29-32.

6. *Xu Zhe-feng*, On the asymptotic properties of functions..., Math. Practice Th., **36**(2006), 249-251.

7. *J. Wang*, On the value distribution properties of the Smarandache double-factorial function, Scientia Magna, **3**(2007), no. 4, 111-114.

A295.   1. *N. Batir*, Sharp inequalities involving the constant e and the sequence $\left(1 + \dfrac{1}{n}\right)^n$, RGMIA Research Report Collection **9**(2006), no.4, article 13.

2. *T. Reidel and P.R. Sahoo*, A characterization of the Stolarsky mean, Aequationes Math. **70**(2005), 51-62.

3. *P. Czinder and Zs. Páles*, Local monotonicity properties of two variables Gini means and the comparison theorem revisited, J. Math. Anal. Appl. **301**(2005), 427-438.

4. *T. Trif*, Monotonicity, comparison and Minkowski's inequality for generalized Muirhead means in two variables, Mathematica (Cluj), **48(71)**(2006), no. 1, 99-110.

5. *Z.-H. Yang*, On the monotonicity and log-convexity of a four parameter homogeneous mean, JIA vol. (2009), ID 149286.

A296. 1. *N.-N. Shi, J.-M. Jiang, W.D. Jiang*, Schur convexity and Schur geometrically concavity of Gini means, Comp. Math. Appl., **57**(2009), no. 2, 266-274.

2. *Y.-M. Chu and W.-F. Xia*, On Schur convexity of some symmetric functions, HIA, 2010, Article 543250.

3. *J. Meng et al.*, The Schur-harmonic convexity of dual form of the Hang symmetric function, Mat. Vesnik, **62**(2010), no. 1, 37-46.

4. *Y.M. Chu et al.*, Schur convexity for a class of symmetric functions, Science Chima Math., **53**(2010), no. 2, 465-474.

5. *Y. Chu and X. Zhang*, Necessary and sufficient conditions such that extended mean values are Schur-convex or Schur-concave, J. Math. Kyoto Univ., **48**(2008), no. 1, 229-238.

6. *C. Yuming and S. Tianchuan*, The Schur harmonic convexity for a class of symmetric functions, Acta Math. Sci., **30**(2010), no. 5, 1501-1506.

7. *Z.-H. Yang*, Necessary and sufficient conditions for Schur geometrical convexity of the four-parameter homogeneous means, Abstract Appl. Anal., 2010, Art. 830163.

8. *C. Yuming et al.*, The Schur geometrical convexity of the extended mean values, J. Convex Analysis, **15**(4)(2008), 707-718.

110

9. *W.-F. Xia and Y.-M. Chu*, Schur convexity and Schur multiplicative convexity for a class of symmetric functions, with applications, Ukrainian Math. J., **61**(10)(2009), 1541-1555.

A299.   1. *N. Muşuroia*, On OQ.1005, Octogon M.M. **11**(2003), no.2, 695.

         2. *N. Muşuroia*, On OQ.1006, Octogon M.M. **11**(2003), no.2, 696.

         3. *D.M. Bătineţu-Giurgiu, M. Bătineţu G. and M. Bencze*, Derivable sequences, Octogon Math. Mag. **13**(2005), no.2, 936-945.

A303.   1. *D.S. Mitrinović, J.E. Pečarić and A.M. Fink,* Classical and new inequalities in Analysis, Kluwer Acad. Publ., 1993.

A304.   1. *E.W. Weisstein,* CRC Concise Encyclopedia of Math., Boca Raton, Washington D.C., 1998 (see also www.mathworld.wolfram.com)

         2. *F. Smarandache*, G add-on,digital, sieve, general periodical, and non-arithmetic sequences, http://arxiv.org/ftp/math/papers/0010/0010151.pdf

         3. *F. Smarandache*, Considerations on new functions in number theory, http://arxiv/org/ftp/math/papers/0010/0010152.pdf

         4. *E.W. Weisstein*, mathworld.wolfram.com

A308.   1. *O. Bagdasar*, On means generated by positive functions, Octogon M.M. **11**(2003), no.2, 538-541.

A310.   1. *M. Bencze*, About Chebyshev's integral inequality, Octogon M.M. **10**(2002), no.2, 846-847.

A327.   1. *H. Alzer and C. Berg,* Some classes of complete by monotonic functions, Annales Acad. Sci. Fennicae, Math. **27**(2002), 445-460.

A331.   1. *L. Modan*, Cuatro sucesiones inusuales tratadas elementalmente, Revista Escolar de la Olimpiada Iberoamerican no.2/2002 (see also http://campus-oei.org/oim/revistaoim/numero2/4sucesiones.pdf)

A333.   1. *D.M. Bătineţu-Giurgiu and A. Semenescu*, An expansion of the OQ.803 Problem, Octogon M.M. **10**(2002), no.2, 887-888.

A334.   1. *L. Modan*, A remark on the Open Question OQ.825, Octogon M.M. **10**(2002), no.2, 911-912.

    2. *D.M. Bătineţu-Giurgiu*, About the OQ.804 and OQ.825 Open Questions, Octogon M.M. **10**(2002), 889-890.

A336.   1. *P.A. Hästö*, Optimal inequalities between Seiffert mean and power mean, Math. Ineq. Appl. **7**(2004), no.1, 47-53.

A337.   1. *N.S. Barnett and S.S. Dragomir*, Advances in inequalities from probability theory and statistics, Nova Sci. Publ., 2008.

A340.   1. *Yuan Yi and Xiaoyu Kang*, Research on Smarandache Problems (Chinese), High American Press, USA, 2006.

    2. *Liu Dansen and Yang Cundian*, On a dual of the pseudo-Smarandache function and it asymptotic formula, in: Z. Wenpeng et al, Research on Smarandache Problems, Hexis, USA, 2004, see pp. 133-137.

    3. *W. Xiong*, On a Smarandache multiplicative function and its parity, Scientia Magna, **4**(2008), no. 1, 113-116.

A342.   1. *Zhu Minhui*, Mean vealue of the additive analogue of the Smarandache function, Scientia Magna **1**(2005), 187-200.

    2. *Yi Yuan and Z. Wenpeng*, Mean value of the additive analogue of the Smarandache function, Scientia Magna **1**(2005), no.1, 153-155.

    3. *Xu Zhe-Feng*, On the asymptotic properties of functions $S(x)$ and $S^*(x)$ (Chinese), Math. Practice Theory **36**(2006), no.3, 249-251.

    4. *Jianli Gao*, On the additive analogues of the simple function, Sci. Magna **2**(2006), no.3, 88-91.

5. *Shejiao Xue*, On the Smarandache dual function, Scientia Magna **3**(2007), no.1, 29-32.

6. *Zhu Min-Lui, Cui Yan*, Two asumptotic formulas of functions $Sdfp(x)$ and $Sdf^*p(x)$, Journal of Jishou Univ., **27**(2006), no.6, 22-23.

A343. 1. K. Atanassov and M. Vassilev, *Some Smarandache problems*, Hexis, Phenix, USA, 2004.

2. *M. V. Missana and K. Atanassov*, Some Smarandache problems, Hexis, Phoenix, USA, 2004.

3. *H. Du*, Some inequalities for bivariate means, Comm. Korean M.S., **24**(2009), no. 4, 553-559.

4. *F. Qi et al.*, Refinements, generalizations and applications of Jordan's inequality and related problems, JIA, 2009, Article ID271923, 52 pages.

5. *S. Wang and Y. Chu*, The best bounds of the combination of arithmetic and harmonic means for the Seiffert's mean, Int. J. Math. Analysis, **4**(2010), no. 22, 1079-1084.

6. *C. Zhong and Y. Chu*, An inequality among identric, geometric and Seiffert's means, Intern. Math. Forum, **5**(2010), no. 26, 1297-1302.

A345. 1. *P.A. Hästö*, Optimal inequalities between Seiffert mean and power mean, Math. Ineq. Appl. **7**(2004), no.1, 47-53.

2. *N. Batir*, Sharp inequalities involving the constant e and the sequence $\left(1 + \dfrac{1}{n}\right)^n$, RGMIA Research Report Collection **9**(2006), no.4, article 3.

3. *F. Qi et al.*, Refinements, generalizations and applications of Jordan's inequality and related problems, J. Ineq. Appl., vol. (2009), ID 271923.

A356. 1. *M.L. Perez*, Five Smarandache conjectures on primes, www.gallup.unm.edu/∼smarandache/conjprim.txt

A360. 1. *M. Bencze*, About an exponential inequality, Octogon M.M. **12**(2004), no.2A, 638-640.

A364.   1. *N. Batir*, Sharp inequalities involving the constant e and the sequence $\left(1 + \dfrac{1}{n}\right)^n$, RGMIA Research Report Collection **9**(2006), no.4, article 3.

A366.   1. *N. Muşuroia*, An elementary solution for OQ.1050, Octogon M.M. **11**(2003), no.2, 700-701.

A367.   1. *C.-P. Chen and F. Qi*, Completely monotone functions related to the gamma functions, RGMIA, **8**(2), 2005, art.3.

      2. *Chao-P. Chen et al.*, Some properties of functions related to the gamma and psi functions, Integral Transf. Spec. Funct., **21**(2010), no. 1-2, 153-164.

A370.   1. *N. Muşuroia*, An extension of the OQ.811 Problem, Octogon M.M. **11**(2003), no.2, 690.

A371.   1. *D.M. Bătineţu-Giurgiu, M. Bătineţu-Giurgiu, M. Bencze*, Derivable sequences, Octogon Math. Mag. **13**(2005), no.2, 936-945.

A373.   1. *N. Muşuroia*, An elementary solution for OQ.863, Octogon M.M. **11**(2003), no.2, 692.

A377.   1. *N. Muşuroia*, An elementary solution to OQ.1023, Octogon M.M. **11**(2003), no.2, 699.

A383.   1. *N. Muşuroia*, On the Open Question 1068, Octogon M.M. **11**(2003), no.2, 702-706.

      2. *N. Muşuroia*, On the Open Question 1069, Octogon M.M. **11**(2003), no.2, 706-710.

A388.   1. *C.-P. Chen and F. Qi*, On integral versions of Alzer's inequality and Martins' inequality, RGMIA Research Report Collection **8**(2005), no.1, 113-118.

      2. *X. Li et al.*, On integral versions of Alzer's inequality and Martins' inequality, Comm. Math. Anal., **2**(2007), no. 1, 47-52.

      3. *Su-L. Zhang et al.*, Continuous analogue of Alzer's inequality, Tamkang J. Math., **37**(2006), no. 2, 105-108.

4. *S. Abramovich et al.*, On van de Lune-Alzer inequality, J. Math. Ineq., **1**(2007), no. 4, 563-587.

A397. 1. *N.J.A. Sloane*, On-line Encyclopedia of Integer Sequences, id. A083312.

2. *Shejiao Xue*, On the Smarandache dual function, Scientia Magna **3**(2007), no.1, 29-32.

A400. 1. *N.J.A. Sloane*, On-line Encyclopedia of Integer Sequences, sequence A007422.

2. *Le Anh Vinh and Dang Phuong Dung*, A note on multiplicatively e-perfect numbers, JIPAM **7**(2006), issue 3, article 99.

A403. 1. *O. Bagdasar*, On OQ.1379, Octogon M.M. **12**(2004), no.2B, p.1060.

A415. 1. *H. Du*, Some inequalities for bivariate means, Comm. Korean M.S., **24**(2009), no. 4, 553-559.

2. *S. Wang and Y. Chu*, The best bounds of the combination of arithmetic and harmonic for the Seiffert's mean, Int. J. Math. Anal., **4**(2010), no. 22, 1079-1084.

3. *C. Zhong and Y. Chu*, An inequality among identric, geometric and Seiffert's mean, Intern. Math. Forum, **5**(2010), no. 26, 1297-1302.

A430. 1. *Zhen-Hang Yang*, Hölder, Chebyshev and Minkowski type inequalities for Stolarsky means, RGMIA Research Report Collection **9**(2006), no.1, article 17.

2. *E. Sivaraman and K.-C. Chang*, Performance evaluation of multi-sensor classification systems, IEEE Trans. Aerospace Electr. Systems, **43**(2007), no. 4, 1265-1281.

A431. 1. *T. Kim*, On the q-analogue of two variable p-adic L-function, http://arxiv.org/abs/math.0502063

2. *Hua Liu*, On the F. Smarandache simple function, Sci. Magna **2**(2006), no.2, 98-100.

3. *T. Kim*, Power series and asymptotic series associated with the q-analog of the two-variable p-adic L-function, Russian J. Math. Physics, **12**(2005), 186-196.

A449. 1. *D. Savin*, A generalization of some result of E. Kiss and J. Sándor, Octogon Math. Mag. **15**(2007), no.1, 289-290.

A458. 1. *Á. Baricz*, Some inequalities involving generalized Bessel functions, MIA, **10**(2007), no. 4, 827-842.

2. *F. Qi et al.*, Refinements, generalizations and applications of Jordan's inequality and related problems, JIA vol. (2009), ID 271923.

3. *Á. Baricz*, Generalized Bessel functions of the first kind, Lecture Notes Math., no. 1994, Springer Verlag, 2010.

4. *R. Klén et al.*, On Jordan type inequalities for hyperbolic functions, JIA, vol. 2010, Article ID362548, 14 pages.

5. *Feng Qi et al.*, Refinements, generalizations and applications of Jordan's inequalities and related problems, JIA, 2009, Article ID271923, 52 pages.

A466. 1. *N. Batir*, Sharp inequalities involving the constant e and the sequence $\left(1 + \dfrac{1}{n}\right)^n$, RGMIA Research Reports **9**(2006), no.4, article 13.

A473. 1. *W.W. Breckner and T. Trif*, Convex functions and related functional equations, Cluj Univ. Press, 2008, Cluj.

2. *H. Alzer*, Inequalities for Euler's gamma function, Forum Math., **20**(2008), 955-1004.

3. *Wan-Lan Wang*, The counterpart of Fan's inequality and its related results, JIPAM, **9**(2008), issue 4, article 109.

A474. 1. *T. Kim and C. Adiga*, On the q-analogue of Gamma function, JIPAM, **6**(2005), no.4, art.118.

2. *E. Neuman*, Inequalities involving logarithmically convex function and their applications to special functions, JIPAM **7**(2006), no.1, article 16.

3. *A. McD. Mercer*, Some new inequalities for the gamma, beta and zeta functions, JIPAM **7**(2006), no.1, art.29.

4. *B. Jia*, A note on an inequality for the gamma function, JIPAM **7**(2006), no.4, art.155.

5. *L. Bougoffa*, Some inequalities involving the gamma function, JIPAM **7**(2006), no.5, article 179.

6. *F. Qi and Wei Li*, Two logarithmically completely monotonic functions connected with the gamma function, RGMIA Collection **8**(2005), no.3, article 17.

7. *A. Sh. Shabani*, Some inequalities for the gamma function, JIPAM **8**(2007), no.2, article 49.

8. *M. Sellami et al.*, New inequalities for some special and q-special functions, JIPAM **8**(2007), no.2, article 42.

9. *F. Qi, Q. Yang and W. Li*, Two logarithmically completely monotonic functions connected with gamma function, Integral Transforms and Special functions, **17**(2006), no.7, 539-542.

10. *A.-J. Li, J. Yuan and C.-P. Chen*, Monotonicity results for the polygamma function, MIA, **11**(2008), no. 2, 307-316.

11. *Song-Z. et al.*, On some inequalities for the gamma function, Octogon M. M., **17**(2009), no. 1, 14-18.

12. *X. Li*, Completely monotonic functions relating to the gamma and psi functions, Proc. Jangj. M. S., **12**(2009), no. 1, 51-55.

13. *W.T. Sulaiman*, Inequalities involving gamma and beta functions, Far East J. Appl. M., **35**(2009), no. 1, 97-101.

14. *A. Shabani*, Generalization of some inequalities for the q-gamma function, Annales Inf., **35**(2008), 129-134.

15. *H. Alzer*, Gamma function inequalities, Numerical Alg., **49**(2008), no. 1-4, 53-84.

16. *Z. Song, X. Dou, L. Yin*, On some inequalities for the gamma function, Octogon M.M., **17**(2009), no. 1, 14-18.

A476.   1. *Zhao Yuan-ejj*, An asymptotic formula involving *e*-divisor function (Chinese), Basic Sciences Journal of Textile Universities **19**(2006), no.2, 119-121.

2. *Le Anh Vinh and Dang Phuong Dung*, A note on multiplicative *e*-perfect numbers, JIPAM **7**(2006), issue 3, article 99.

A478.   1. *H.-N. Shi et al.*, Schur convexity and Schur geometrically convexity of Gini means, Comp. Math. Appl., **57**(2009), no. 2, 266-274.

A479.   1. *Gh. Costovici*, Some inequalities, Octogon Math. Mag. **15**(2007), no.1, 213-216.

2. *Á. Baricz*, Some inequalities involving generalized Bessel functions, MIA, **10**(2007), no. 4, 827-842.

3. *Á. Baricz*, Generalized Bessel functions of the first kind, Thesis, UBB Cluj, 2008.

4. *S.-H. Wu and H.M. Srivastava,* A weighted and exponential generalization of Wilker's inequality and its applications, Integral Transforms and Special Functions, **18**(2007), no. 8, 529-535.

5. *F. Qi et al.*, Refinements, generalizations and applications of Jordan's inequality and related problems, JIA vol. (2009), ID 271923.

A480.   1. *L. Szilárd*, On a diophantine fraction-equation (Hungarian), Matlap **XI**(2007), no.1, 1-3.

A481.   1. *B. Devillers*, Cyclic prefixed block transmission for wireless communications: performance analysis and optimization, Thesis, Univ. Catholique Louvain, March 2009.

2. *B. Devillers et. al,* About the diversity in cyclic prefixed single-carrier systems, Physical Communications, **1**(2008), no. 4, 266-276.

A484.   1. *M. Le*, On the k-fold S-perfect numbers, J. Jishou Univ., **28**(2007), no. 2, 15-17.

A512.   1. *O.T. Pop*, About Schaumberger inequality, Octogon Math. Mag. **14**(2006), no.2, 622-623.

A515.   1. *Le Anh Vinh and Dang Phuong Dung*, A note on multiplicatively e-perfect numbers, **7**(2006), issue 3, article 99.

A523.   1. *M. Le*, A problem on the number of primes, Octogon M.M., **16**(2008), no. 1B, 742-743.

A562.   1. *M. Le*, A problem on the number of primes, Octogon M.M., **16**(2008), no. 1B, 742-743.

A587.   1. *A. Witkowski*, On convexity of $\cos x^\alpha$, Octogon Math. Mag. **15**(2007), no.1, 287.

A601.   1. *M. Le*, The rational number solutions of the equation $x^2 \pm xy + y^2 = n$, Octogon M.M., **15**(2007), no. 2, 1238-1239.

A602.   1. *A.-V. Kramer*, A generalization of OQ. 2121, Octogon M.M., **16**(2008), no. 1B.

A617.   1. *V. Lampret*, Hermite's rule surpasses Simpson's, Intern. Math. Forum, **4**(2009), no. 34, 1663-1686.

        2. *K.H. Pilehrood and T.H. Pilehrood*, Vacca-type series for values of the generalized Euler constant function and its derivative, J. Integer Sequences, **13**(2010), Article 10.7.3.

A618.   1. *Jing Fu*, An equation involving the Smarandache function, Scientia Magna, **2**(2006), no.4, 83-86.

        2. *Baohuai Shi*, The hybrid mean value of the Smarandache function and the Mangoldt function, Scientia Magna **2**(2006), no.4, 98-100.

3. *B. Liu and X. Pan*, On a problem related to function $S(n)$, Scientia Magna, **3**(2007), no. 4, 84-86.

4. *H. Li*, A generalization of the Smarandache function, Scientia Magna, **4**(2008), no. 1, 31-34.

5. *L. Ding*, On the Smarandache reciprocal function and its mean value, Sci. Magna, **4**(2008), no. 1, 120-123.

6. *W. Zhu*, An inequality involving the Smarandache function, Sci. Magna, **4**(2008), no. 1, 130-133.

7. *X. Li and Y. Xue*, On an equation related to function $S(n)$, Sci. Magna, **4**(2008), no. 1, 148-151.

A641. 1. *M. Le*, On the functional equation..., Octogon M.M., **15**(2007), no. 2, 1250-1251.

2. *M. Le*, On the functional equation..., Octogon M.M., **16**(2008), no. 1B, 736-737.

3. *M. Le and M. Bencze*, On the functional equation..., Octogon M.M., **16**(2008), no. 1B, 752-753.

4. *M. Le and M. Bencze*, On the inequality..., Octogon M.M., **16**(2008), no. 1B, 760-762.

5. *M. Le*, An upper bound for the composite of $\sigma(n)$ and its applications, Octogon M.M., **16**(2008), no. 1B, 764-766.

6. *M. Le*, On the arithmetical functional equation..., ibid., 775-776.

7. *M. Le and M. Bencze*, Three inequalities on the sum of $\sigma(k)$ and $\psi(k)$, ibid., 815-816.

A645. 1. *M. Le*, On the inequality..., Octogon M.M., **15**(2007), no. 2, 1290-1292.

2. *M. Le*, Two inequalities..., ibid., **15**(2007), no. 2, 1292-1294.

A647. 1. *M. Le*, On the inequality..., Octogon M.M., **15**(2007), no. 2, 1290-1292.

2. *M. Le*, Two inequalities..., ibid., **15**(2007), no. 2, 1292-1294.

A669. 1. *C. Adiga and H. N. Ramaswamy*, A note on certain divisibility problem, Int. J. Math. Analysis, **2**(2008), no. 24, 1151-1161.

2. *K. Harris*, On the classification of integers n that divide $\sigma(n)+\varphi(n)$, J. Number Theory, **129**(2009), no. 9, 2093-2110.

3. *J.-M. De Koninck*, Those Fascinating Numbers, AMS, Providence, USA, 2009.

A670. 1. *H.N. Shi et al,* Schur-convexity and Schur-geometrically concavity of Gini means, Comp. and Appl. Math., **57**(2009), no. 2, 266-274.

2. *W. Xia et al.*, The Schur harmonic convexity of Lehmer means, Intern. Math. Forum, **4**(2009), no. 41, 2009-2015.

A734. 1. *F. Qi et al.*, Refinements, generalizations and applications of Jordan's inequality and related problems, JIA vol. (2009), ID 271923.

2. *L. Zhu*, Some new Wilker-type inequalities for circular and hyperbolic functions, Abstr. Appl. Anal., vol. (2009), ID 485842.

A735. 1. *Z.H. Yang*, Some monotonicity results for the ratio of two-parameter symmetric homogeneous functions, Int. J. Math. Math. Sci., vol. (2009), ID 591382.

2. *Z.-H. Yang*, Some monotonicity results for the ratio of two-parameter symmetric homogeneous functions, Int. J. Math. Math. Sci., 2009, ID591382, 12 pages.

A740. 1. *H. Du*, Some inequalities for bivariate means, Comm. Korean M.S., **24**(2009), no. 4, 553-559.

A819. 1. http://en.wikipedia.org/wiki/Gyrovector_space

A822. 1. *Á. Baricz*, Generalized Bessel functions of the first kind, Lecture Notes Math., no. 1994, Springer Verlag, 2010.

2. *R. Klein, M. Visuri and M. Vuorinen*, On Jordan type inequalities for hyperbolic functions, J. Ineq. Appl., vol. 2010, Article ID362548, 14 pages.

A823.   1. *Á. Baricz,* Generalized Bessel functions of the first kind, Lecture Notes Math., no. 1994, Springer Verlag, 2010.

2. *Fing Qi et al.,* Refinements, generalizations and application of Jordan's inequality and related problems, JIA, 2009, ID271923, 52 pages.

A860.   1. *R. Klein, M. Visuri and M. Vuorinen,* On Jordan type inequalities for hyperbolic functions, J. Ineq. Appl., vol. 2010, Article ID362548, 14 pages.

B5.   1. *L. Tóth,* The order of convergence of some sequences (Hungarian), Mat. Lapok 4/1989, 133-138.

B6.   1. *C. Dragomir,* The applications of complex numbers for the solution of algebraic equations and the deduction of certain identities (Romanian), Gamma, **11**(1988), No.1-2, 53-57.

2. *F. Vulpescu-Jalea,* On Fermat's equation with negative exponents (Romanian), Gaz. Mat. A, **5**(1984), 3-4, 111-113.

3. *P. Radovici,* Note regarding the resolvation of a diophantine equation (Romanian), Gaz. Mat., 2-3/1982, 59-60.

B11.   1. *Sz. András and M. Mureşan,* Mathematical analysis and its applications (Hungarian), Ed. Did. şi Ped., Bucureşti, 2005.

B12.   1. *M. Bencze,* Combinatorial identities, Octogon M.M. **7**(1999), No.1, 36-58.

2. *M. Bencze and F. Smarandache,* About Bernoulli's numbers, Octogon M.M. **7**(1999), 151-153.

3. *F. Olosz,* Method of summation (Hungarian), Mat. Lapok 6/1995, 201-209.

4. *F. Olosz,* ibid, 7/1995, 242-250.

5. *M. Bencze,* Combinatorial identities (Hungarian), Mat. Lapok 5/1990, 167-173.

B15.   1. *A. Musán,* A romantic life, Ramanujan (Hungarian), Mat. Lapok, 4/1993, 121-124.

B28. 1. *Gh. Toader and S. Toader*, Greek means and the arithmetic-geometric means, Monographs RGMIA (Australia), 2005.

B33. 1. *Z. Tuzson,* The generalization of one of Gergonne's theorems, Octogon M.M. **7**(1999), 88-93.

B39. 1. *Z. Tuzson,* Cubic numbers which are tetrahedron numbers at the same time, Octogon M.M. **7**(1999), 119-123.

B91. 1. *M. Bencze*, About a new mean, RGMIA Research Report Collection **9**(2006), no.1, article 5.

C1. 1. *M. Bencze, F. Popovici, F. Smarandache,* One generalization of the Leibnitz theorem, Octogon M.M. **6**(1998), 67-70.

2. *Szász Róbert,* On proofs of geometric and trigonometric inequalities (Hungarian), Mat. Lapok 6/1992, 207-209.

3. *Károly Dáné,* On the Open Question 29, Octogon M.M. **5**(1997), No.1, 71-73.

4. *M. Bencze and F. Popovici,* A generalization of Leibnitz theorem (Hungarian), Mat. Lapok XLII, 2/1994, 41-44.

5. *L. Tóth,* On inequalities for acute-angled triangles (Hungarian), Mat. Lapok 1-2/1990, 30-31.

6. *M. Bencze and F. Popovici,* On a geometric extrem-value problem, Octogon M.M. **7**(1999), No.1, 166-169.

7. *Z. Tuzson,* The generalization of one of Gergonne's theorems, Octogon M.M. **7**(1999), No.1, 88-93.

8. *R. Tuzson,* Algebraic proofs of trigonometric inequalities, I. (Hungarian), Mat. Lapok 5/2002, pp. 168-170.

9. *R. Tuzson,* Algebraic proofs of trigonometric inequalities, II, Mat. Lapok 6/2002, 215-219.

10. *R. Dussaud*, Reflections on a simple maximum problem, Octogon M.M. **10**(2002), no.2, 855-857.

11. *P.N. de Souza and J.-N. Silva*, Berkeley Problems in Mathematics, Third Ed., Springer Verlag, 2004.

12. *F. Olosz*, Minimum and maximum problems in geometry (Hungarian), Mat. Lapok, Cluj, 5/2001, 161-176.

13. *A. Kubatov*, The Erdös-Mordell inequality (Hungarian), Matematika Oktatási Portál, http://matek/fazekas.hu/portal/tanitasianyagok/ Kubatov_Antal/ ErdMord/ErdMord.htm

14. *J.L. Diaz-Barrero et al.*, Inequalities involving the medians and the area of a triangle, Octogon M.M., **15**(2007), no. 2, 725-729.

C2. 1. *L. Panaitopol,* On squarefree integers, Bull. Soc. Sci. Math. Roumanie **43** (91) (2000), No.1, 19-23.

2. *L. Panaitopol,* Asymptotical formulae for $a(n) = n - e(n)$ Bull. Math. Soc. Sc. Math. Roumanie **42**(90)(1999), No.3, 271-277.

3. *A. Vernescu,* On the approximation and asymptotical development of the sequence of general term $(2n-1)!!/(2n)!!$ (Romanian), Prima Conferinţă Anuală a SSR, 29 mai-1 iunie, 1997 (Bucureşti).

4. *L. Tóth,* Asymptotic formulae concerning the product and the quotient of the arithmetical functions σ_s and ϕ_s, Tatra Mountains Math. Publ., **11**(1997), 167-175.

5. *L. Tóth,* Asymptotic formulae concerning arithmetical functions defined by cross-convolutions, I. Divisor-sum functions and Euler-type functions, Publ. Math. Debrecen **50**(1997), 159-176.

6. *A. Vernescu,* Sur l'établissement de deux inégalités partant d'une indication de Monsieur le Professeur D.D. Stancu, Babeş-Bolyai Univ. Research seminar, Sem. Numerical, Stat, Calc. 1/1996, 115-119.

124

7. *L. Panaitopol and A. Gica,* An introduction to arithmetics and number theory (Romanian), Ed. Univ. Bucureşti, 2001.

8. *L. Panaitopol,* Several approximations of $\pi(x)$, Math. Ineq. Appl. **3**(1999), 317-324.

9. *E. Weisstein,* CRC Concise Encyclopedia of Mathematics, Boca Raton, Washington D.C., 1998.

10. *A. Grytczuk, F. Luca and M. Wójtowicz,* On a conjecture of Makowski and Schinzel concerning the composition of arithmetic functions σ and φ, Colloq. Math. **86**(2000), No.1, 31-36.

11. *S. Finch,* Favorite mathematical constants,
www.mathsoft.com/asolve/constant/totient/totient.html.

12. *L. Panaitopol,* Tetrahedral numbers (Romanian), Gaz. Mat. A, **19**(2000), No.2, 94-97.

13. *N.J.A.Sloane,* On-Line Encyclopedia of Integer Sequences,
http://www.research.att.com/∼njas/sequences/seis.html (2002AT& T, USA), see A002088.

14. *L. Panaitopol*, Some generalizations for a theorem by Landau, Math. Ineq. Appl. **4**(2001), no.3, 327-330.

15. *L. Panaitopol*, On a theorem of Edmund Landau, Analele Univ. Bucureşti, XLIX(2000), no.1, 67-72.

16. *L. Panaitopol*, On some properties concerning the function $a(n) = n - \varphi(n)$, Bull. Greek Math. Soc. **45**(2001), 71-77.

17. *P. Haukkanen*, On an inequality related to the Legendre totient function, JIPAM, vol. 3, issue 3, 2002, article no. 37.

18. *O. Bordellés,* Explicit upper bounds for the average order of d_n and applications to class number II, JIPAM, vol. 3, issue 3, 2002, article no. 38.

19. *W. Janous,* A solution of the Open Question OQ. 663, Octogon M.M. **9**(2001), no. 2, p. 958.

20. *S.-L. Qiu and M. Vuorinen*, Some properties of the Gamma and Psi functions, with applications, Preprint (April 2002), Univ. of Helsinki.

21. *Adrian I. Ban and Sorin G. Gal*, Defect of properties in mathematics, World Sci. Singapore, 2002.

22. *L. Panaitopol*, Some of the properties of the sequence of powers of prime numbers, Rocky Mt. J. Math. **31**(2001), no. 4, 1407-1415.

23. *L. Panaitopol*, Tethahedral numbers (Romanian), Gaz. Mat. A, **19**(2001), no 2, pp. 94-97.

24. *A. Grytczuk, F. Luca and M. Wójtowicz,* Some results on $\sigma(\phi(n))$, Indian J. Math. **43**(2001), no. 3, 263-275.

25. *L. Panaitopol,* Inequalities involving prime numbers, Math. Reports, **3**(53) (2001), 251-256.

26. *W. Janous,* Inequalities for parts of the harmonic series, Univ. Beograd Publ. Electr. Fak. Ser. Mat. **12**(2001), 38-40.

27. *P. Vlamos,* Properties of the function $f(x) = x/\pi(x)$, Intern. J. Math. Sci. **28**(2001), no. 5, 307-311.

28. http://futuresedge.org/mathematics/Number_Theory.html

29. www.shyamsundergupta.com/referencebooks.htm

30. www.ceebd.co.uk/public/ro019.htm (selected academic publications)

31. *P. Haukkanen*, On the l_p norm on GCD and related matrices, JIPAM, **5**(2004), no.4, art.61 (electronic).

32. *S.-L. Qiu and M. Vuorinen*, Some properties of the gamma and psi functions, with applications, Math. Comp. 2004 (electronic).

33. *N.J.A. Sloane*, The on-line Encyclopedia of integer sequences, Notices AMS, **50**(2003), no.8, 912-915.

34. *O. Strauch and J.T. Tóth*, Distribution functions of ratio sequences, Publ. Math. Debrecen **58**(2001), no.4, 751-778.

126

35. *A. Bege*, Introduction to number theory (Hungarian), Ed. Scientia, Sapientia, EMTE, 2002, 198pp.

36. *L. Panaitopol*, Some properties of the series of composed numbers, JIPAM, **2**(2001), no.3, art.38 (electronic).

37. *W. Janous*, On Open Question OQ.1184, Octogon M.M. **11**(2003), no.2, 717-718.

38. *W. Janous*, On an inequality of Arslanagic, Octogon M.M. **12**(2004), no.2A, 602-606.

39. *A. Vernescu*, The number e and the mathematics of exponentials (Romanian), Ed. Univ. Bucureşti, 2004 (439pp.).

40. *L. Panaitopol*, Some properties of Liouville's function, Bull. Math. Soc. Sci. Math. Roumanie **44**(92), 2001, no.4, 365-370.

41. *L. Panaitopol*, On the equation $n - \varphi(n) = m$, Bull. Math. Soc. Sci. Roumanie **44**(92), 2001, no.1, 97-100.

42. *O. Bordellés*, An inequality for the class number, JIPAM **7**(2006), no.3, art.87.

43. *J.B. Lasserre*, Duality and a Farkas lemma for integer programs, in: Optimization, Structure and appl., E. Hunt and C.E.M. Pearce (ed.), Kluwer Acad. Publ., 2003.

44. *H. Alzer and C. Berg*, Some classes of completely monotonic functions, II, The Ramanujan Journal, **11**(2006), 225-248.

45. *C.J. Smyth*, Salem numbers of negative trace, Math. Comp. **69**(2000), 827-838.

46. *J.-M. de Koninck and F. Luca*, On the difference of values of the kernel function at consecutive integers, Int. J. Math. Math. Sci. **67**(2003), 4249-4262.

47. *S. Baier*, On the large sieve with square moduli, ArXiv preprint math. NT/0508418, 2005 - arXiv.org

48. *H. Alzer and S. Koumandos*, On a trigonometric sum of Vinogradov, J. Number Theory, 2004.

49. *M.D.E. Conder, C.R. Leedhan-Green, E.A. O'Brien*, Constructive recognition of $PSL(2, q)$, Trans. Amer. Math. Soc. **358**(2006), 1203-1221.

50. *G.V. Milovanović*, Recent advances in inequalities, Kluwer Acad. Publ., 1998.

51. *H. Yasui and S.-I. Katayama*, Maps $\mathbb{R} : \mathbb{Z}/n\mathbb{Z} \to \mathbb{Z}/n^2\mathbb{Z}$ and some cryptographic applications, J. Math. Univ. Tokushima **39**(2005), 7-21.

52. *Y. Yongxing and Z. Shohua*, A new recent theorem on the binomial coefficient, Journal of Math. **23**(2003), no.2, 146-148.

53. *J. Liu, B. Li and X.R. Cao*, Complexity and heuristic for wireless broadcast, IEEE Trans. on Wireless Comm. **3**(2004), no.6.

54. *W. Meidl and H. Niederreiter*, Periodic sequences with maximal linear complexity and large k-error linear complexity, Appl. Algebra in Eng., Comm. and Computing **14**(2003), no.4, 273-286.

55. *H. Bäärnhielm*, Constructive recognition of the ree groups, Preprint 2005.

56. *T. Horváth and G. Turán*, Learning logic programs with structured background knowledge, Artificial Intelligence **128**(2001), no.1, 31-97.

57. *J. Bank and F. Werner*, Heuristic algorithms for unrelated parallel machine schedulity..., Math. and Comp. Modelling **33**(2001), no.4, 363-383.

58. *N.J.A. Sloane*, My favorite integer sequences, ArXiv preprint math. CO/0207175, 2002.

59. *W. Meidl and H. Niederreiter*, Periodic sequences with maximal linear complexity and large k-error linear complexity, Applicable Algebra in Eng., Comm. and Compl., **14**(2003), 273-286.

60. *J.B. Lassevre*, A discrete Farkas lemma, Discrete Optim., **1**(2004), no.1, 67-75.

61. *H. Bäärnhielm*, Recognising the Ree groups in their natural representations, http://www.maths.qmul.ac.uk/∼hb/doc/ree.pdf

62. *J. Liu, B. Li, X.-R. Coo*, Complexity and heuristics for wireless broadcast with noncommutative layered data, Wireless Comm., IEEF Trans. **3**(2004), no.5, 2325-2334.

63. *Y. You and S. Zhang*, A new theorem on the binomial coefficient $\begin{bmatrix} m+n \\ n \end{bmatrix}$, Journal of Math., **23**(2003), no.2, 146-148.

64. *E. Altinisik*, On the matrix norms of a GCD related matrix, Math. Ineq. Appl., **11**(2008), no. 4, 635-646.

65. *V. Copil and L. Panaitopol*, Some properties of the sequence of prime numbers, Appl. Anal. Discrete Math., **2**(2008), no. 2, 217-221.

66. *G. Mincu and L. Panaitopol*, Properties of some functions connected to prime numbers, JIPAM, **9**(2008), no. 1, article 12, 10 pp.

67. *X. Pan and B. Liu*, On the irrational root sieve sequence, Scientia Magna, **3**(2007), no. 4, 1-3.

68. *A. Bege*, Old and new number theoretical functions (Hungarian), Ed. Scientia, Cluj, 2006.

69. *Z. Kaka and J. Kolumbán*, Researches of Hungarian mathematicians from Transylvania (Hungarian), V. Tanczos, Gy. Tökés (eds.), Sci. Books, Ed. Sciencia, 2002, Cluj.

C4. 1. Zbl. Math. Did. 2002e.03960

2. http://futuresedge.org/mathematics/Diophantine_Equations.html

3. *A. Kubatov*, The Erdös-Mordell inequality (Hungarian), Matematika Oktatási Portál, http://matek.fazekas.hu/portal/tanitasianuagok/Kubatov_Antal/ ErdMord/ErdMord.htm

4. *N.J.A. Sloane*, On-line Encyclopedia..., sequence A083312.

5. *D. Acu*, On the diophantine equations of type $a^x + b^y = c^z$, General Math. **13**(2005), no.1, 67-72.

6. *N. Minculete and P. Dicu*, Several inequalities about the number of divisors of a natural number, General Math., **17**(2009), no. 1, 65-70.

7. *Yu-Dong Wu et al.,* On a geometric inequality by J. Sándor, J. Ineq. Pure Appl. Math., **10**(2009), no. 4, art. 118.

C5.   1. *N.J.A. Sloane*, On-line Encyclopedia of Integer Sequences, sequence A000396.

2. *S. Rama Prasad and U. Dixit*, Inequalities related to the unitary analogue of Lehmer problem, JIPAM **7**(2006), no.4, article 142.

3. *E. Altinisik et al.*, Determinant and inverse of meet and join matrices, Int. J. Math. Math. Sci. volume 2007, article ID 37580, 11 pp.

4. *J. Mangual*, Uniform convergence behavior of the Bernoulli polynomials, ArXiv preprint math CA/0703452, 2007-arxiv.org

5. *P. Haukkanen*, On a gcd-sum function, Aequat. Math., **76**(2008), 168-178.

6. *G. Liu*, Generating functions and generalized Euler numbers, Proc. Japan Acad. Sci. A, Math. Sci., **84**(2008), no. 2, 29-34.

7. *I. Korkee and P. Haukkanen*, On a general form of join matrices associated with incidence functions, Aequat. Math., **75**(2008), no. 1,2, 29-42.

8. *S. Hong and K.S. Lee*, Asymptotic behaviour of eigenvalues of reciprocal power lcm matrices, Glasgow Math. J., **50**(2008), no. 1, 163-174.

9. *H. Pan*, q-analogue of Gauss' divisibility theorem, Arxiv preprint, arXiv: 0804.0834, 2008.

10. *L.G. Fel*, On symmetry totient functions, Arxiv: 0802.0619, 2008.

11. *E. Altinisik, N. Tugh and P. Haukkanen*, Determinant and inverse of meet and join matrices, Intern. J. Math. Math. Sci. volume (2007), article ID 37580, 11 pages.

12. *S.-S. Huang and W.-S. Peng*, On a generalization of Dedekind-Hölder theorem, The Ramanujan J., **17**(2008), no. 1, 19-31.

13. *I. Korkee and P. Haukkanen*, On the divisibility of meet and join matrices, Linear Algebra Appl., **429**(2008), 8-9, 1929-1943.

14. *S.H. Hernandez and F. Luca*, A note on Deaconescu's result concerning Lehmer's problem, Integers, **8**(2008), no. 1, article # A12.

15. *M. Deaconescu*, An identity involving multiplicative orders, Integers, **8**(2008), no. 1, article # A09.

16. *Tom De Metts and M. Tărnăceanu*, Finite groups determined by an inequality of the orders of their subgroup, Bull. Belg. Math. Soc. Simon Stevin, **15**(2008), no. 4, 699-704.

17. *H. Pan*, q-analogue of Gauss' divisibility theorem, Arxiv prepr; aixiv: 0804, 0834, 2008.

18. *H.Q. Cao and H. Pan*, Congruences on Stirling numbers and Eulerian numbers, Arxiv prepr; math NT/0608564, 2006.

19. *Q.-M. Luo*, Fourier expansions and integral representations for Genocchi polynomials, J. Integer Seq., **12**(2009), art. 09.1.4.

20. *N.J. Sloane*, Sequence A 000396,
    http://www.research/att/com/∼njas/sequences/A000396

21. *Q.-M. Luo*, q-extensions for the Apostol-Genocchi polynomials, General Math., **17**(2009), no. 2, 113-125.

22. *Zs. Karlik*, Perfect numbers (Hugarian), Szakdolgozat ELTE TTK, Algebra Számelm. Tansz. 2009, pp. 1-77, Budapest.

C6. 1. *S.-L. Qiu and M. Vuorinen*, Some properties of the gamma and psi functions, with applications. Math. Comp. **74**(2005), 723-742.

   2. *M.D.E. Conder, C.R. Leedham-Green, E.A. O'Brien*, Constructive recognition of $PSL(2, q)$, Trans. Amer. Math. Soc. **358**(2006), 1203-1221.

   3. *O. Bordellés*, An inequality for the class number, JIPAM **7**(2006), issue 3, article 87.

   4. *D. Burde*, A remark on an inequality for the prime counting function, MIA **10**(2007), no.1, 9-13.

5. *S. Simić*, Inequalities for the ψ function, MIA **10**(2007), no.1, 45-48.

6. *E. Liz*, Sobre ecuaciones diferenciales con retraso, dinámica de poblaciones y números primos, Material Matemàticas (electronic), volume 2006, no.17, 24 pp.

7. *J. Šiaulys and G. Stepanauskas*, On the mean value of the product of multiplicative functions with shifted argument, Monath. Math. **150**(2007), no.4, 343-351.

C7.   1. *Á. Baricz*, Generalized Bessel functions of the first kind, Thesis, 2008, Babeş-Bolyai Univ. of Cluj.

      2. *Á. Baricz*, Some inequalities involving generalized Bessel functions, MIA, **10**(2007), no. 4, 827-842.

C11.   1. *Á. Baricz*, Generalized Bessel functions of the first kind, Lecture Notes Math. no. 1994, Springer Verlag, 2010.

C12.   1. *H. Alzer*, A superadditive property of Hadamard's gamma function, Abh. aus der Math. Sem. Univ. Hamburg, **9**(2009), no. 1, 11-23.

      2. *H. Alzer and G. Felder*, A Turán-type inequality for the gamma function, J. Math. Anal. Appl., **350**(2009), no. 1, 276-282.

G. REFEREE OF THE FOLLOWING JOURNALS

1. Aequationes Math. (Waterloo)

2. Acta Math. Hungarica (Budapest)

3. Advances Nonl. Var. Ineq. Appl. (USA)

4. Arch. Math. (Basel)

5. Bull. Inst. Polyt. Timişoara (Romania)

6. Gaz. Mat. (Bucureşti)

7. Indian J. Pure Appl. Math.

8. Int. J. Math. Math. Sci. (Florida)

9. J. Math. Anal. Appl. (San Diego)

10. J. Number Theory (USA)

11. J. Ineq. Pure Applied Math. (Melbourne)

12. Fibonacci Quart. (USA)

13. Math. Ineq. Appl. (Croatia)

14. Mathematica (Cluj)

15. Mat. Lapok (Cluj)

16. Math. Pannonica (Gräz-Budapest)

17. Notes Number Theory Discr. Math. (Sofia)

18. Publ. Math. Debrecen (Hungary)

19. Periodica Math. Hungarica (Budapest)

20. Smarandache Notions J. (USA)

21. Octogon Math. M. (Romania)

22. Radovi Mat. (Bosnia)

23. Rocky Mountain J. Math. (USA)

24. Studia Univ. Babeş-Bolyai, Math. (Cluj)

25. Colloq. Math. (Wroclaw, Poland)

26. Soochow J. Math. (Taipei, Taiwan)

27. Adv. Stud. Contemp. Math. (Korea)

28. Mathematical Reviews (Ann Arbor, USA)

29. Zentralblatt für Mathematik (Berlin)

30. Erdélyi Matem. Lapok (Braşov, Romania)

31. Proc. Amer. Math. Soc. (USA)

32. Demonstratio Math. (Poland)

33. Tamkang J. Math. (Taiwan)

34. Australian J. Math. Anal. Appl. (Melbourne)

35. Proc. Jangjeon Math. Soc. (Korea)

36. Far East J. Math. (India)

37. Monathschefte Math. (Austria)

38. Applied Math. Letters (USA)

39. Journal of Inequalities Appl. (USA)

40. Scientia Magna (China)

41. Applicable Analysis and Discr. Math. (Belgrade)

42. Computers and Mathematics with Applications (USA)

43. Abstract and Applied Analysis

44. Portugaliae Math.

45. Amer. Math. Monthly

46. Math. Communications (Croatia)

47. Annales Math. Inf. (Hungary)

48. Bull. Soc. Math. Belg. (Bruxelles)

49. J. Approx. Theory

50. Acta Appl. Math.

51. J. Math. Ineq.

52. Analysis Math. (Hungary)

53. Studia Sci. Math. Hung. (Budapest)

54. Bull. Iranian Math. Soc.

55. Intern. J. Number Theory (USA)

56. J. Combin. and Number Theory (USA)

57. Forum Geometricorum (USA)

58. Acta Math. Univ. Comenianae

59. Note di Matematica (Italy)

60. Acta Math. Scientia

61. J. Applied Analysis

62. Thai J. Math.

63. Creativity in Math. (Romania)

64. IMVI Open Mathematical Journal (Banja Luka, Bosnia and Herzegovina).

65. Matematika Makedonika.

66. Kyungpook Math. J. (Korea).

67. Integers, electronic J. Number Theory (USA).

68. J. Applied Analysis.

69. Inequalities and Applications '10 (Debrecen).

H. ASSOCIATE EDITOR OF THE FOLLOWING JOURNALS

1. Mathematical Inequalities and Applications (Croatia) [ISI]

2. Journal of Inequalities in Pure and Applied Mathematics (Melbourne, Australia)

3. Advances in Nonlinear Variational Inequalities and Applications (Ohio, USA)

4. Advanced Studies in Contemporary Mathematics (Korea)

5. Proceedings of the Jangjeon Mathematical Society (Korea)

6. Notes in Number Theory and Discrete Mathematics (Bulgaria)

7. Smarandache Notion Journal (New Mexico, USA)

8. Octogon Mathematical Magazine (Braşov, Romania)

9. Matematikai Lapok (Cluj, Romania)

10. Erdélyi Matematikai Lapok (Braşov, Romania)

11. Applicable Analysis and Discrete Mathematics (Belgrade) [ISI]

12. Bulletin of Mathematical Analysis and Applications (Kosovo)

13. Scientia Magna (China)

14. ISST Journal of Math. and Comp. (India)

15. Math Problems (Suisse).

16. IMVI Open Journal of Mathematics [Chief Editor] (Bosnia-Herzegovina).

17. IMVI Open Bulletin of Mathematics [Chief Editor] (Bosnia and Herzegovina).

I. PAPERS PRESENTED AT CONFERENCES

1. *On the zeros of exponential polynomials*, Sci. sessions of professors and students, Babeş-Bolyai Univ., Cluj (Romania), 24-25 th Oct. 1980.

2. *The equivalence of certain inequality relations*, First National Conference of Mathematical Inequalities, Sibiu (Romania), 13-15 th November 1981.

3. *On subadditive sequences*, ibid., Sibiu, 1981.

4. *Inequalities for didactical purposes*, ibid., Sibiu, 1981.

5. *Geometrical transformations and applications to extremal problems*, Symposium on Didactica of Geometry, Romanian Math. Society, Sighişoara (Romania), 28 th May 1984.

6. *Inequalities in Hilbert spaces*, Second National Conference of Math. Ineq., Sibiu (Romania), 15-16 th Dec. 1984.

7. *Some integral inequalities, with applications*, ibid., Sibiu, 1984.

8. *Some inequalities in prehilbertian spaces* (with S. S. Dragomir), Nat. Conf. on Geometry and Topology, 12-14 th April, 1984, Târgovişte (Romania).

9. *On certain divisibility properties related to the Euler function*, Summer School of Teachers and Professors 29 th July - 06 August 1986, Predeal (Romania).

10. *On the cyclotomic polynomial* (with M. Deaconescu), National Conference of Algebra, Timişoara (Romania), 4-7 th June 1986.

11. *The irrationality of $\sqrt{2}$ - generalities* (with S. Zs. Szilágyi), Symposium on the possibilities of applications of Mathematics in Computation Techniques, Romanian Math. Soc., Odorheiu-Secuiesc (Romania), 3 th June 1986.

12. *The resolvation with elementary arguments of certain extremal problems*, Symposium on didactical strategy of efficient organization of independent activities of students, Buzău (Romania), 24-25 th May 1986.

13. *Some inequalities in prehilbertian spaces* (with S. S. Dragomir), The Third National Conference of Math. Ineq., Sibiu (Romania), 15-18 th Oct. 1987.

14. *On Hadarmard's inequality*, ibid., Sibiu, 1987.

15. *The Chebisheff inequality in prehilbertain spaces* (with S. S. Dragomir), The Second Symposium of Mathematics and Applications, Romanian Academy of Sci., Polyt. Inst. Traian Vuia, Timişoara (Romania), 30-31 th Oct. 1987.

16. *The irrationality of certain factorial series*, ibid., Timişoara, 1987.

17. *Inequalities of norm-type and Bessel in prehilbertian spaces*, ibid., Timişoara, 1987.

18. *Some open problems in the theory of functional equations*, Symposium on the applications of functional equations in teaching, science and production, Romanian Math. Soc., Odorheiu-Secuiesc (Romania), 4 th June 1988.

19. *On Euler's arithmetical function*, National Algebra Conference, Braşov (Romania), 9-10 th June 1988.

20. *On certain functional equations*, Itinerant Seminar on Funct. Eq., Approx. and Convexity, 26-28 th May 1988, Cluj (Romania).

21. *Geometric inequalities*, Symposium on Optimization problems in education, science, and production. Mathematics, informatics, and inventics, Odorhei (Romania), 2-3 th June 1989.

22. *On invex functions*, ibid., Odorhei, 1989.

23. *Some arithmetical functions associated to the unitary divisors of a natural number* (with L. Tóth), ibid., Odorhei, 1989.

24. *Inequalities for means*, The Third Symposium of Mathematics and Applications, Timişoara (Romania), 3-4 th Nov. 1989.

25. *The Chebisheff inequality in prehilbertian spaces, II* (with J. E. Pečarić and S. S. Dragomir), The third Symposium of Math. and Appl., 3-4 th Nov., Timişoara, 1989.

139

26. *On some Grüss type inequalities* (with J. E. Pečarić and S. S. Dragomir), Itinerant Seminar on Funct. Eq., Approx., Conv., 26-28 th May 1989, Babeş-Bolyai Univ., Cluj (Romania).

27. *On certain arithmetic products* (with L. Tóth), Symposium on the improvements of mathematical education with strong connections to science and production, Dej (Romania), 6 th May 1989.

28. *On the inequality of the arithmetic and geometric means*, International Conference in Applied Math. and Mechanics, Cluj (Romania), 25-30 th September 1990.

29. *The Chebysheff inequality in prehilbertian spaces, III* (with J. E. Pečarić and S. S. Dragomir), The Fourth Symposium of Mathematics and Applications, Timişoara (Romania), 1-2 Nov. 1991.

30. *On the principle of condensation of singularities*, The Fourth National Conf. on Math. Inequalities, Sibiu (Romania), 30-31 th October 1992.

31. *Generalized invexity and its applications in optimization theory*, First Intern. Conf. on Modern Applied Math., Ilieni (Romania), 12-17 th June 1995.

32. *On the irrationality of certain alternative Smarandache Series*, First Intern. Conf. on Smarandache Type notions in number theory, Craiova (Romania), 21-24 th August 1997.

33. *On an inequality for the sum of infimums of functions* (with V. E. S. Szabó), Intern. Workshop on Math. Analysis, Math. Inst. Budapest (Hungary), 1-3 th June 2000.

34. *On the Pseudo-Smarandache Function*, Second Int. Conf. on Smarandache Type Notions in Mathematics and Quantum Physics, Craiova (Romania), 21-24 th December 2000.

35. *A note on $S(n^2)$*, ibid., Craiova, 2000.

36. *On a new Smarandache Type function*, ibid., Craiova, 2000.

37. *On certain arithmetic functions*, ibid., Craiova, 2000.

38. *Perfect numbers, a new perspective*, Intern. Conf. on Theory of Ineq. and Appl., Timişoara (Romania), 9-15 th July 2001.

39. *János Bolyai's arithmetic problem and its extensions* (with E. Kiss), János Bolyai Conference on Hyperbolic geometry, 8-12 July 2002, Budapest (Hungary).

40. *Log - and Schur convexity of certain means*, National Conf. on Analysis, 8-9 th November 2002, Cluj, Romania.

41. *Janos Bolyai and the congruences connected with pseudoprimes* (with E. Kiss), Proc. Conf. "Days of Hungarian Science in Transsylvania", 12-13th nov., 2004, Cluj, Romania.

42. *The work of Gy. Vályi in number theory,* Proc. Conf. "Days of Hungarian Science in Transsylvania, 12-13th November, 2004, Cluj, Romania.

43. *On generalizations of Bolyai-Jeans' theorem* (with E. Kiss), Proc. Conference "Days of Hungarian Science in Transsylvania", 18-19th November, 2005, Cluj, Romania.

44. *On certain special functions of Number theory and Analysis*, Proc. Conference "Days of Hungarian Science in Transsylvania", 18-19th November, 2005, Cluj, Romania.

45. *On some number-theoretical results of Farkas Bolyai and János Bolyai*, Proc. Conference "Days of Hungarian Science in Transsylvania", 25-26th November, 2006, Miercurea-Ciuc, Romania.

46. *On Farkas Bolyai's theorems on infinite series* (with Oláh G. Róbert), Proc. Conference "Days of Hungarian Science in Transylvania", 25-26th November, 2006, Miercurea-Ciuc, Romania.

47. *On the composition of certain arithmetic functions*, Proc. Conference "Days of Hungarian Science in Transylvania", 14-th Nov. 2008, Cluj, Romania.

48. *On perfect numbers related to the composition of arithmetic functions* (with L. Kovács), Sapientia Mat. Info. Conference, 8 june, 2009.

49. *On the theory of means*, ibid.

50. *A note on certain Euler-Mascheroni type sequences*, Proc. Fourth Intern. Conf. on Number Th. and Smarand. Problems, editor Z. Wenpeng, American Research Press (ISBN: 1599730618), 2008, 60-63.

51. *On the fixed points of the composition of three arithmetic functions* (with A. Verroken and L. Kovács), Days of Hung. Sci. in Transylvania, M.-Ciuc, 6-7 nov. 2009.

52. *On (M, N)-convex functions* (with E. Egri), Days of Hung. Sci. in Transylvania, M.-Ciuc, 6-7 nov. 2009.

53. *János Bolyai's work in number theory*, János Bolyai Memorial Conference, 3-4 sept. 2010, Budapest - Tg. Mureş.