

LISTA LUCRARI

1. P.N. Agrawal, A.M. Acu, R. Ruchi, q-Generalized Bernstein-Durrmeyer Polynomials, *Journal of Mathematical Inequalities*, Volume: 14 Issue: 1 Pages: 211-235 Published: MAR 2020. (WoS)
2. A. Ratiu, A.M. Acu, T. Acar, D.F. Sofonea, Certain positive linear operators with better approximation properties, *Mathematical Methods in the applied sciences*, Volume: 42 Issue: 16 Special Issue: SI Pages: 5133-5142 Published: NOV 15 2019
3. A.M. Acu, T. Acar, C.V. Muraru, V.A. Radu, Some approximation properties by a class of bivariate operators, *Mathematical Methods in The Applied Sciences*, Volume: 42 Issue: 16 Special Issue: SI Pages: 5551-5565 Published: NOV 15 2019.
4. A.M. Acu, H. Gonska, Classical Kantorovich operators revisited, *Ukrainian Mathematical Journal*, Volume: 71 Issue: 6, Pages: 843-852 Published: NOV 2019
5. A.M. Acu, I. Rasa, Estimates for the differences of positive linear operators and their derivatives, *Numerical Algorithms*, (2019). <https://doi.org/10.1007/s11075-019-00809-4>
6. Neer, Trapti; Acu, Ana Maria; Agrawal, P. N., Degree of approximation by Chlodowsky variant of Jakimovski-Leviatan-Durrmeyer type operators, *Revista De La Real Academia De Ciencias Exactas Fisicas Y Naturales Serie A-Matematicas*, Volume: 113 Issue: 4 Pages: 3445-3459 Published: OCT 2019.
7. T. Garg, A.M. Acu, P.N. Agrawal, Weighted approximation and GBS of Chlodowsky-Szasz-Kantorovich type operators, *Analysis and Mathematical Physics*, Volume: 9 Issue: 3 Pages: 1429-1448 Published: SEP 2019
8. A.M. Acu, O. Dogru, C.V. Muraru, V.A. Radu, Approximation properties of certain Bernstein-Stancu type operators, *Journal of Mathematical Inequalities*, Volume: 13 Issue: 3 Pages: 687-702 Published: SEP 2019.
9. A.M. Acu, V. Gupta, G. Tachev, Better Numerical Approximation by Durrmeyer Type Operators, *Results in Mathematics*, Volume: 74 Issue: 3 Article Number: UNSP 90 Published: SEP 2019
10. Rahman, Shagufta; Mursaleen, Mohammad; Acu, Ana Maria, Approximation properties of lambda-Bernstein-Kantorovich operators with shifted knots, *Mathematical Methods in the Applied Sciences*, Volume: 42 Issue: 11 Pages: 4042-4053 Published: JUL 30 2019
11. T. Garg, A.M. Acu, P.N. Agrawal, Further results concerning some general Durrmeyer type operators, *Revista De La Real Academia De Ciencias Exactas Fisicas Y Naturales Serie A-Matematicas*, Volume: 113 Issue: 3 Pages: 2373-2390 Published: JUL 2019
12. A.M. Acu, T. Acar, V.A. Radu, Approximation by modified U-n (rho) operators, *Revista De La Real Academia De Ciencias Exactas Fisicas Y Naturales Serie A-Matematicas*, Volume: 113 Issue: 3 Pages: 2715-2729 Published: JUL 2019
13. Vijay Gupta, Gancho Tachev, Ana-Maria Acu, Modified Kantorovich operators with better approximation properties, *Numerical Algorithms*, Volume: 81 Issue: 1 Pages: 125-149 Published: MAY 2019 (WoS)
14. N. Rao, A. Wafi, A.M. Acu, q-Szasz-Durrmeyer Type Operators Based on Dunkl Analogue, *Complex Analysis and Operator Theory*, Volume: 13 Issue: 3 Pages: 915-934 Published: APR 2019
15. A.M. Acu, N. Manav, A. Ratiu, Convergence Properties of Certain Positive Linear Operators, *Results in Mathematics*, Volume: 74 Issue: 1 Article Number: UNSP 8 Published: MAR 2019
16. Acu, Ana-Maria; Radu, Voichita Adriana, About the Iterates of Some Operators Depending on a Parameter and Preserving the Affine Functions, *Iranian Journal of Science and Technology Transaction A-Science*, Volume: 43 Issue: A1 Pages: 265-271 Published: FEB 2019
17. V. Gupta, A.M. Acu, On Difference of Operators with Different Basis Functions, *FILOMAT* Volume: 33 Issue: 10 Pages: 3023-3034 Published: 2019
18. A.M. Acu, P.N. Agrawal, D. Kumar, Approximation properties of modified q-Bernstein-Kantorovich operators, *Communications Faculty of Sciences University of Ankara-Series A1 Mathematics and Statistics*, Volume: 68 Issue: 2 Pages: 2170-2197 Published: 2019
19. A.M. Acu, P.N. Agrawal, Better approximation of functions by genuine Bernstein-Durrmeyer type operators, *Carpathian Journal of Mathematics*, Volume: 35 Issue: 2 Pages: 125-136 Published: 2019
20. P.N. Agrawal, A.M. Acu, M. Sidharth, Approximation degree of a Kantorovich variant of Stancu operators based on Polya-Eggenberger distribution, *Revista De La Real Academia De Ciencias Exactas Fisicas Y Naturales Serie A-Matematicas*, Volume: 113 Issue: 1 Pages: 137-156 Published: JAN 2019
21. Pooja Gupta, Ana Maria Acu, P.N. Agrawal, Jakimovski-Leviatan operators of Kantorovich type involving multiple Appell polynomials, *Georgian Mathematical Journal*, 2019, DOI: 10.1515/gmj-2019-2013 (WoS)
22. A.M. Acu, A.M., S. Hodis, I. Rasa, A survey on estimates for the differences of positive linear operators, *Constr. Math. Anal.* 1(2), 113-127 (2018).
23. Florin Sofonea, Ioan Tincu, Acu Ana Maria, Convex sequences of higher order, *Filomat* 32:13 (2018) (WoS)
24. A.M. Acu, Nesibe Manav, Florin Sofonea, Approximation properties of λ -Kantorovich operators, *Journal of Inequalities and Applications*, 2018:202, <https://doi.org/10.1186/s13660-018-1795-7> (WoS)
25. Ana Maria Acu, Tuncer Acar and Nesibe Manav, Approximation of functions by genuine Bernstein-Durrmeyer type operators, *Journal of Mathematical Inequalities*, 12(4), 975-987, 2018. (WoS)
26. Sheetal Deshwal, Ana Maria Acu and P.N. Agrawal, Pointwise approximation Bezier variant of an operator based on Laguerre polynomials, *Journal of Mathematical Inequalities*, 12(3), 2018, 693-707 (WoS)
27. S. Deshwal, A.M. Acu, P.N. Agrawal, Rate of convergence of q-analogue of a class of new Bernstein type operators, *Miskolc Mathematical Notes*, 19(1) (2018), 211–234 , (WoS)

28. A.M. Acu, C. Muraru, Certain Approximation Properties of Srivastava Gupta operators, *Journal of Mathematical Inequalities*, Volume 12, Number 2 (2018), 583–595 (WoS)
29. T Neer, AM Acu, P Agrawal, Approximation of functions by bivariate q-Stancu-Durrmeyer type operators, *Mathematical Communications*, 23(2018), 161–180. (WoS)
30. A.M. Acu, V. Gupta, On Baskakov-Szasz-Mirakyan-type operators preserving exponential type functions, *Positivity*, 22(3), 2018, 919–929, DOI: 10.1007/s11117-018-0553-x (WoS)
31. AM Acu, V Gupta, N Malik, Local and Global Approximation for Certain (p, q)-Durrmeyer Type Operators, *Complex Analysis and Operator Theory*, Volume: 12 Issue: 8, 1973-1989, 2018, <https://doi.org/10.1007/s11785-017-0714-0> (WoS)
32. Ana Maria Acu, V. Radu, C. Muraru, On the monotonicity of q-Schurer-Stancu type polynomials, *Miskolc Mathematical Notes*, 19(1), (2018), 19-28, DOI: 10.18514/MMN.2018.1785 (WoS)
33. Manjari Sidharth, Ana-Maria Acu, P.N. Agrawal, Chlodowsky-Szasz-Appel type operators for functions of two variables, *Annals of Functional Analysis* 8(4). 2017, 446-459. (WoS)
34. T. Neer, A.M. Acu, P.N. Agrawal, Bezier variant of genuine-Durrmeyer type operators based on Polya distribution, *Carpathian Journal of Mathematics*, Vol. 33, No 1, 2017, Pages: 73-86. (WoS)
35. A.M. Acu, Properties and applications of Pn-simple functionals, *Positivity* ISSN: 1385-1292, DOI 10.1007/s11117-016-0420-6, 21 (1), 2017, 283-297. (WoS)
36. Ana Maria Acu, P.N. Agrawal, Trapti Neer, Approximation properties of the modified Stancu operators, *Numerical Functional Analysis and Optimization*, Doi:10.1080/01630563.2016.1248564, 38 (3), Pages: 279-292, 2017 (WoS)
37. Young Chel Kwun , Ana-Maria Acu, Arif Rafiq, Voichita Adriana Radu, Faisal Ali and Shin Min Kang, Bernstein-Stancu type operators which preserve polynomials, *J. Computational Analysis and Applications*, 23(4), 2017, 758-770. (WoS)
38. A.M. Acu, H. Gonska, Generalized Alomari functionals, *Mediterranean Journal of Mathematics*, 14(1), 2017, Article Number: UNSP 1, DOI: 10.1007/s00009-016-0833-2. (WoS)
39. A.M. Acu, V. Gupta, Direct results for certain summation-integral type Baskakov-Szasz operators, *Results in Mathematics*, 72(3), 2017, 1161–1180, DOI: 10.1007/s00025-016-0603-2 (WoS)
40. V. Gupta, A.M. Acu, D.F. Sofonea, Approximation Baskakov type Polya-Durrmeyer operators, *Applied Mathematics and Computations*, 294(1), 2017, 318–331 (WoS)
41. Arun Kajla, Ana Maria Acu, and P. N. Agrawal, Baskakov–Szász-type operators based on inverse Pólya–Eggenberger distribution, *Annals of Functional Analysis* 8 (1), 2017, 106-123. (WoS I)
42. Dan Barbosu, Ana-Maria Acu, Carmen Violeta Muraru, Some bivariate Durrmeyer operators based on q -integers, *Journal of Mathematical Inequalities*, 11 (1), 2017, 59–75 (WoS)
43. D. Bărbosu, A.M. Acu, C. V. Muraru, On certain GBS-Durrmeyer operators based on q -integers, *Turkish Journal of Mathematics*, 41(2) (2017), 368 – 380 (WoS)
44. A.M. Acu, I. Rasa, New estimates for the differences of positive linear operators, *Numerical Algorithms*, 73(3), 775–789, 2016. (WoS)
45. Shin Min Kang, Arif Rafiq, Ana-Maria Acu, Faisal Ali, Young Chel Kwun, Some approximation properties of (p, q) -Bernstein operators, *Journal of Inequalities and Applications*, 2016, Article 169, DOI: 10.1186/s13660-016-1111-3. (WoS)
46. A.M. Acu, C. Muraru, V. Radu, F. Sofonea, Some approximation properties of a Durrmeyer variant of q -Bernstein–Schurer operators, *Mathematical Methods in the Applied Sciences*, 39(18), 2016, 5636–5650. (WoS)
47. Ana Maria Acu, Heiner Gonska, Composite Bernstein Cubature, *Banach Journal of Mathematical Analysis*, *Banach Journal of Mathematical Analysis*, Vol. 10, No.2, 235-250, 2016 (WoS)
48. Ana Maria Acu, F. Sofonea, D. Barbosu, Note on a q -analogue of Stancu-Kantorovich operators, *Miskolc Mathematical Notes*, Vol. 16, no.1, 2015, 3-15. (WoS)
49. Ana Maria Acu, *Improvement of Gruss and Ostrowski Type Inequalities*, *Filomat*, 29:9, 2015, 2027-2035 (WoS)
50. Ana Maria Acu, Heiner Gonska, *Weighted Ostrowski-Gruss type inequalities*, *Stud. Univ. Babes-Bolyai Math.*, 60(2015), No. 2, 183–192
51. Shin Min Kang, Ana Maria Acu, Arif Rafiq, Young Chel Kwun, *Approximation properties of q -Kantorovich-Stancu operator* , *Journal of Inequalities and Applications*, Article Number: 211, Published: Jun 27 2015 (WoS)
52. Shin Min Kang, Ana Maria Acu, Arif Rafiq and Young Chel Kwun, *On q -analogue of Stancu-Schurer-Kantorovich operators based on q -Riemann integral*, *Journal of Computational Analysis and Applications*, Vol. 21, No. 3, 2016, 564-577 . (WoS)
53. Ana Maria Acu, Muraru Carmen , *Approximation Properties of Bivariate Extension of q -Bernstein–Schurer–Kantorovich operators*, *Results in Mathematics*, 67 (3) , 265-279, 2015, DOI: 10.1007/s00025-015-0441-7 (WoS)
54. Ana Maria Acu, Stancu–Schurer–Kantorovich operators based on q -integers, *Applied Mathematics and Computation*, 259, 896–907, 2015, DOI: 10.1016/j.amc.2015.03.032 (WoS)
55. Alina Babos, Ana Maria Acu, Note on Corrected Optimal Quadrature Formulas in Sense Nikolski, *Appl. Math. Inf. Sci.* 9, No. 3, 1231-1238 (2015).
56. Ana Maria Acu, D.F. Sofonea, *Approximation Properties of Bivariate Extension of q -Stancu- Kantorovich Operators*, *Journal of Advances in Applied & Computational Mathematics*, 2015, 2(1), 13-18
57. Ana Maria Acu, Maria Daniela Rusu, *New results concerning Chebyshev-Grusstype inequalities via discrete oscillations*, *Applied Mathematics and Computation*, 243, pp. 585-593, 2014 (WoS)
58. Ana Maria Acu, Heiner Gonska, *On Bullen's and related inequalities*, *General Mathematics* Vol. 22, No. 1 (2014), 19-26.
59. Ana Maria Acu, Maria Daniela Rusu, *Improvement and generalization of someOstrowski-type inequalities*, *J. Applied Functional Analysis*, Vol.9, No. 3-4, pp. 216-229, 2014
60. Ana Maria Acu, Daniel Florin Sofonea, *Some numerical integration methods based on interpolation polynomials*, *Carpathian J.*, 29, No. 1, pg.1-8., 2013. (WoS)
61. Ana Maria Acu, Daniel Florin Sofonea, Carmen Muraru, *Gruss and Ostrowski type inequalities and their applications*, "Vasile Alecsandri" University of Bacau, Faculty of Sciences, Scientific Studies and Research Series Mathematics and Informatics, Vol. 23, No. 1, pp. 5 – 14, 2013.

62. Acu Ana Maria, Sofonea Florin, Muraru Carmen, *Aspecte didactice privind utilizarea softului GeoGebra in rezolvarea problemelor de programare liniara*, Proceedings al Conferintei "Cercetare si Practica in Didactica Moderna, Conferinta anuala de didactica", Alba-Iulia, ISSN 2344-4142, ISSN-L 2344-4142., pp. 456-464, 2013.
63. Acu Ana Maria, Sofonea Florin, *Utilizarea softului educational GeoGebra in predarea elementelor de probabilitati si statistica*, Proceedings al Conferintei "Cercetare si Practica in Didactica Moderna, Conferinta anuala de didactica", Alba-Iulia, ISSN 2344-4142, ISSN-L 2344-4142., pp. 598-607, 2013.
64. Carmen Muraru, Ana Maria Acu, *Some approximation properties of q-Durrmeyer-Schurer operators*, "Vasile Alecsandri" University of Bacau, Faculty of Sciences, Scientific Studies and Research Series Mathematics and Informatics, Vol. 23 , No. 1, 77 – 84, 2013.
65. Alina Babos, Ana Maria Acu, Carmen Muraru, *Cubature formulas on a triangle with one curved side* , Proceedings of The 19th International Conference The Knowledge Based Organization-Applied Technical Sciences and Advanced Military Technologies Conference,Proceedings 3, pp. 13-17, 2013.
66. Carmen Muraru, Ana Maria Acu, Alina Babos, *On a modified Schurer-Stancu Operator*, The 19th International Conference The Knowledge Based Organization-Applied Technical Sciences and Advanced Military Technologies Conference, Proceedings 3, pp. 108-112, 2013.
67. Ana Maria Acu, Alina Babos, *Some Optimal Quadrature Formulas and Error Bounds*, Appl. Math. Inf. Sci. 6, No. 1, pp.429-437, 2012. (WoS)
68. Carmen Violeta Muraru, Ana Maria Acu, *Some approximations properties of Schurer-Bernstein operators based on q integers*, General Mathematics Vol. 20, No. 5 , Special Issue, pp. 61-70, 2012.
69. Alina Babos, Ana Maria Acu, *Some corrected optimal quadrature formulas in sense Nikolski and error bounds*, General Mathematics Vol. 20, No. 5, Special Issue, pp. 3-11, 2012.
70. Saman Shahbaz, Muhammad Qaiser Shahbaz, Arif Rafiq, Ana Maria Acu, *On trivariate Pseudo Weibull distribution* , Acta Universitatis Apulensis, No. 31, pp. 241-247, 2012.
71. Ana Maria Acu, Alina Babos, Petru Blaga, *Some corrected optimal quadrature formulas*, Stud. Univ. Babes-Bolyai Math, 57, No. 4, pp. 561-578, 2012.
72. Ana Maria Acu, Daniel Florin Sofonea, *Asymptotic expressions for the remainder term in the quadrature formula of Gauss-Jacobi type*, Creat. Math. Inform., 21, No.1, pp. 1-11, 2012.
73. Ana Maria Acu, Daniel Florin Sofonea, *Some optimal quadrature formulas in sense Nikolski and error bounds*, Proceedings of the XIIIth Conference on Mathematics and its Applications University "Politehnica" of Timisoara, 1-3 November, ISSN 1224-6069, pp.59-64, 2012.
74. Arif Rafiq, Ana Maria Acu, *A new implicit iteration process for two strongly pseudocontractive mappings*, Creat. Math. Inform., 21, No.2, pp. 197 – 201, 2012.
75. Ana Maria Acu, H. Gonska, I. Rasa, *Gruss-type and Ostrowski-type inequalities in Approximation Theory*, Ukrainian Mathematical Journal, Vol. 63, No. 6, November, pp. 843-864, 2011. (WoS)
76. C. Boitor, A. Fratila, L. Stanciu, A. Pitic, Ana Maria Acu, *Socio-economic factors and hygienic food-illness involved in determining dental caries of 12-year-old children in rural and urban area*, Review of research and social intervention, vol.33, pp.167-177, 2011. (WoS)
77. Ana Maria Acu, Daniel Florin Sofonea, *On an inequality of Ostrowski type*, Journal of Science and Arts, Year 11, No. 3(16), pp. 281-287, 2011.
78. A. Babos, Ana Maria Acu, *Cubature formulas on tetrahedron*, The 17-th International Conference, The Knowledge-Based Organisation, Applied Technical Sciences and Advanced Military Technologies, Conference proceedings 3, 24-26 Nov. , ISSN: 1843-6722, pp. 216-219, 2011.
79. Ana Maria Acu, Florin Sofonea, *A class of optimal quadrature formula*, Acta Universitatis Apulensis, Special Issue, pp. 481-489, 2011.
80. Ana Maria Acu, Alina Babos, Florin Sofonea, *The mean value theorems and inequalities of Ostrowski type*, Scientific Studies and Research Series Mathematics and Informatics, Bacau, Vol. 21, No. 1, pp. 5 – 16, 2011.
81. Acu Ana Maria, *Natural splines of Birkhoff type approximating the solution of differential equations*, General Mathematics, Vol. 18, No. 1, pp 3-17 , 2010.
82. Acu Ana Maria, Rafiq Arif, *Multistep fixed point iterations for asymptotically pseudocontractive mappings in real Banach space*, ISST Journal of Mathematics & Computing System, ISSN 0976 - 9048, Vol. 1 No.1, pp. 1-7, 2010
83. Ana Maria Acu, Arif Rafiq, Florin Sofonea, *Some new four-point quadrature formulas*,An. St. Univ. Ovidius Constanta Vol. 17(3), 1-13, 2009. (WoS)
84. Ana Maria Acu, Heiner Gonska, *Ostrowski-type inequalities and moduli of smoothness*, Results in Mathematics, Volume 53, No. 3-4, pp. 217-228, July 2009. (WoS)
85. Ana Maria Acu, Nicoleta Breaz, *Generalized monosplines and inequalities for the remaider term of quadrature formulas*, Journal of Computational Analysis and Applications, Vol. 11, No. 1, pp. 106-118, 2009 (WoS)
86. Ana Maria Acu, *Generalizations of some classical quadrature formulas*, Proceedings of the International Conference on Theory and Applications of Mahematics and Informatics, Acta Universitatis Apulensis-Special Issue, Alba-Iulia, pp.573-584, 2009.
87. Arif Rafiq, Ana Maria Acu, Florin Sofonea, *An Iterative Algorithm for Two Asymptotically Pseudocontractive Mappings*, Int. J. Open Problems Compt. Math., Vol. 2,No. 3, pp. 372-382, 2009
88. Arif Rafiq, Ana Maria Acu, Florin Sofonea, *On weighted Cebysev type inequalities*, The Land Forces Academy Review, No. 2(54), pp.79-84, 2009.
89. Acu Ana Maria, Rafiq Arif, *About a linear positive functional*, Proceedings of the twelfth Symposium of Mathematics and its Applications, Timisoara, ISSN:1224-6069, pp. 23-28, 2009.
90. Ana Maria Acu, Arif Rafiq, Carmen Violeta Muraru, *The remainder term of some quadrature formulae*, Studii si Cercetari stiintifice, seria Matematica, Bacau, No.19 , pp. 249-259, 2009.
91. Arif Rafiq, Ana Maria Acu, Mugur Acu, *Iteration of asymptotically pseudocontractive mappings in Banach space*, General Mathematics Vol. 17, No. 1, pp. 113-124, 2009.
92. Arif Rafiq, Ana Maria Acu, *Strong convergence of an implicit iteration process with errors for a finite family of strongly pseudocontractive mappings*, Analele Universitatii Oradea, Fasc. Matematica, Tom XVI, pp. 133-139, 2009.

93. Ana Maria Acu, A. Babos, *An error analysis for a quadrature formula*, Revista Academiei Fortelor Terestre, Anul XIV, Nr. 1 (53), Trimestru I, pp. 96-102, 2009
94. A. Rafiq, Q. Shahbaz, A.M. Acu, *The Generalized Cebysev type inequality*, Scientific Studies and Research, Series Mathematics and Informatics Vol. 19 , No. 1, pp. 195-200, 2009.
95. Ana Maria Acu, Mugur Acu , *Gauss-Lobatto formulae and extremal problems with polynomials*, Journal of Inequalities and Applications , Volume 2008, Article ID624989, 10 pages. (WoS)
96. Ana Maria Acu , Florin Sofonea, *Monosplines and quadrature formulas*, Automation Computers Applied Mathematics, Vol. 17 , pp. 181-189, 2008.
97. Ana Maria Acu, Mugur Acu, Arif Rafiq, *Extremal problems with polynomials*, Proceedings of The 8th Romanian German Seminar on Approximation Theory and its Applications, Sibiu, 28 May-1 June, 2008, General Mathematics, Vol.16. No 4., pp. 3-14, 2008.
98. Ana Maria Acu, *About some quadrature formulas*, Annali dell'Universit di Ferrara, Volume 54, Issue 2, pp. 171-181, 2008.
99. Ana Maria Acu, *About an intermediate point property in some quadrature formulas*, Acta Universitatis Apulensis, Nr. 15, pp 19-32, 2008.
100. Arif Rafiq, Ana Maria Acu, *Common fixed points of Cirić quasi-contractive operators through Ishikawa iteration process with errors*, General Mathematics Vol. 16, No. 3, 145–157, 2008.
101. Ana Maria Acu, Mugur Acu, *A quadrature formula based on a spline quasi-interpolant*, WSEAS Transaction on Business and Economics, Issue 7, Volume 5, ISSN: 1109-9526, pp 414-423, 2008.
102. A.M. Acu, Mugur Acu, Arif Rafiq, *The estimates for the remainder term of some quadrature formulae*, Acta Universitatis Apulensis, Nr. 16, 53-62, 2008.
103. Arif Rafiq, Ana Maria Acu, Mugur Acu, *Steepest descent approximations in Banach Space*, General Mathematics Vol.16, No. 3 , pp. 133–143, 2008.
104. Arif Rafiq, Ana Maria Acu, *On fixed points of pseudocontractive mappings*, Acta Universitatis Apulensis, Nr. 16, pp 63-69, 2008.
105. Ana Maria Acu, Alina Babos, *An error analysis for a quadrature formula*, The 14-the International Conference The Knowledge-based organization Technical Sciences Computer Science, Modelling & Simulation and E-learning Technologies. Physics,Mathematics and Chemistry.Conference Proceedings 8, ISSN: 1843-6722, pp. 290-298, 2008.
106. F. Sofonea, Ana Maria Acu, A. Rafiq, *An error analysis for a family of four-point quadrature formulas*, Proceedings of the Fifth International Symposium "Mathematical Inequalities", ISBN 978-973-739-740-9, pp. 136-145 , 2008.
107. Ana Maria Acu, M. Acu, A. Rafiq, *Some inequalities of Ostrowski type in the case of weighted integrals*, Proceedings of the Fifth International Symposium "Mathematical Inequalities" , ISBN 978-973-739-740-9, pp. 9-22 , 2008.
108. Ana Maria Acu, Mugur Acu, *A quadrature formula associated with a spline quasiinterpolant operator*, Procedings of the 12th WSEAS International Conferences on COMPUTERS, Heraklion, Greece, July 23-25, pp 212-217, 2008. (Proceedings WoS)
109. Ana Maria Acu, *An intermediate point property in the quadrature formulas*, Proceedings of International Workshop "New Trends in Approximation, Optimization and Classification", Sibiu, October 1-5, pp. 9-20, 2008.
110. Ana Maria Acu, Eugen Constantinescu, *Some preserving properties of an integral operator*, Proceedings of International Symposium on Complex Analysis, Sibiu-Romania, August 26-29, General Mathematics, Vol. 15, No.2-3, pp.184-189, 2007.
111. Ana Maria Acu, *Spline quasi-interpolants and quadrature formulas*, Acta Universitatis Apulensis, Nr. 13, pp 21-36, 2007.
112. A.M. Acu, *Moment preserving spline approximation on finite intervals and Chakalov-Popoviciu quadratures*, Acta Univ. Apulensis, Nr. 13, 37-56, 2007
113. Ana Maria Acu , *A quadrature rule for Beta operators*, Journal of Approximation Theory and Applications, Vol. 3, No. 1-2, pp. 23-30, 2007.
114. Ana Maria Acu , *A generalized quadrature rule*, Journal of Approximation Theory and Applications, India, Vol.3, No. 1-2, pp. 1-8, 2007.
115. Ana Maria Acu, *Monosplines and inequalities for the remainder term of quadrature formulas*, General Mathematics, Vol. 15, Nr.1, pp 81-92, 2007.
116. Ana Maria Acu, *Optimal quadrature formulas in the sense of Nikolski*, General Mathematics, Vol.14, No.2 , pp 109-119, 2006.
117. Ana Maria Acu, *Generalizations of some problems from Gazeta Matematica*, Mathematical Education , Vol.1 , No1 , pp. 89-94, 2005.
118. Ana Maria Acu, M.Acu, *On a arithmetical problem*, Mathematical Education, Vol.1, No1, pp. 109-112, 2005.
119. Ana Maria Acu, *New results in extremal problems with polynomials*, General Mathematics, Vol.12, No.1 , pp 53-60, 2004.
120. A.M. Acu, *Asupra unor probleme date la Concursul Interjudetean de Matematica "Grigore Moisil" 2003*, Anuar Matematic 2003 , Vol. VII, 23-26, 2003.
121. Ana Maria Acu , Mugur Acu, *On the exponential diophantine equations of the form $a^x - b^y c^z = +1$* , General Mathematics , Vol.9, No.1-2, pp. 53-56, 2001.
122. Ana Maria Acu , Mugur Acu, *On the exponential diophantine equations of the form $a^x - b^y c^z = +1$, with a,b,c prime numbers*, General Mathematics , Vol.8, No.3-4, pp. 73-77, 2000

Books

1. Mathematical Analysis I: Approximation Theory ICRAPAM 2018, New Delhi, India, October 23–25, Editors: Deo, N., Gupta, V., Acu, A.M., Agrawal, P.N. (Eds.), Springer Proceedings in Mathematics & Statistics, 2020.
2. Mathematical Analysis II: Optimisation, Differential Equations and Graph Theory, ICRAPAM 2018, New Delhi, India, October 23–25, Editors: Deo, N., Gupta, V., Acu, A.M., Agrawal, P.N. (Eds.), Springer Proceedings in Mathematics & Statistics, 2020.
3. V. Gupta, T.M. Rassias, P.N. Agrawal, A.M. Acu, *Recent Advances in Constructive Approximation Theory*, Springer, 2018.
4. Acu AM, Convergence Properties of Genuine Bernstein–Durrmeyer Operators. In: Mohiuddine S., Acar T. (eds) Advances in Summability and Approximation Theory. Springer, Singapore, 2018, pp 81-101
5. Carmen Violeta Popescu, Ana Maria Acu, Gloria Cerasela Crisan, Elena Nechita, Statistics and Applications a Computational Perspective, LAP Lambert Academic Publishing, 2015
6. Maria Acu, Daniel Florin Sofonea, *Metode Numerice*, Editura Universitii "Lucian Blaga" din Sibiu, 147 pg, 2010.

7. D. Acu, M. Acu, P. Dicu, Ana Maria Acu, *Matematici aplicate in economie Volumul III - Elemente de teoria probabilitelor si de statistica matematica*, Editura Universității "Lucian Blaga" din Sibiu, 204 pg, 2003.
8. D. Acu, M. Acu, P. Dicu, Ana Maria Acu, *Matematici aplicate în economie, Volumul II – Elemente de analiză matematică*, Editura Universității „Lucian Blaga” din Sibiu, 404 pg, 2002.
9. D. Acu, M. Acu, P. Dicu, Ana Maria Acu, *Analiză Matematică*, Editura Alma Mater, Sibiu, 493 pg, 2002.
10. D. Acu, M. Acu, P. Dicu, Ana Maria Acu, *Matematici aplicate în economie Volumul I – Elemente de algebră, programare liniară, teoria grafurilor*, Editura Universității „Lucian Blaga” din Sibiu, 212 pg, 2001.
11. Ana Maria Acu, M. Acu, P. Dicu, M. Olaru, *Analiză Matematică - Probleme*, Editura Universității „Lucian Blaga” din Sibiu, 163 pg, 2001.
12. Ana Maria Acu, M. Acu, P. Dicu, *Matematici aplicate în economie – Elemente de algebră, programare liniară și teoria grafurilor - Probleme*, Editura Universității „Lucian Blaga” din Sibiu, 148 pg, 2001.
13. C.V. Muraru (Popescu), I. Furdu, Ana Maria Acu, *The influence of computers and Informatics on Mathematics and its teaching (capitol de carte)*, Casa Cărții de Știință, Cluj, 2016, ISBN 978-606-17-0978-6

Date: 1 May 2020

Semnătura: