

List of papers

A) List of the most 10 important articles

- 10) **D. Mičlăuș**, *Some new results concerning the classical Bernstein cubature formula*, *Symmetry*, **13** (2021), no. 6, Article ID: 1068
- 9) A. Kajla and **D. Mičlăuș**, *Bezier variant of the Szasz-Durrmeyer type operators based on the Poisson-Charlier polynomials*, *Filomat*, **34** (2020), no. 10, 3265–3273
- 8) **D. Mičlăuș**, *An approximation of the surfaces areas using the classical Bernstein quadrature formula*, *Mathematical Methods in the Applied Sciences*, **42** (2019), 5317–5330
- 7) **D. Mičlăuș** and L.I. Pișcoran, *A new method for the approximation of integrals using the generalized Bernstein quadrature formula*, *Applied Mathematics and Computation*, **340** (2019), 146–155
- 6) A. Kajla and **D. Mičlăuș**, *Approximation by Stancu-Durrmeyer type operators based on Polya-Eggenberger distribution*, *Filomat*, **32** (2018), no. 12, 4249–4261
- 5) A. Kajla and **D. Mičlăuș**, *Blending type approximation by GBS operators of generalized Bernstein-Durrmeyer type*, *Results in Mathematics*, **73** (2018), no. 1, <https://doi.org/10.1007/s00025-018-0773-1>
- 4) **D. Mičlăuș**, *The generalization of the Bernstein operator on any finite interval*, *Georgian Mathematical Journal*, **24** (2017), no. 3, 447–454
- 3) N. Deo, M. Dhamija and **D. Mičlăuș**, *Stancu-Kantorovich operators based on inverse Pólya-Eggenberger distribution*, *Applied Mathematics and Computation*, **273** (2016), 281–289
- 2) **D. Mičlăuș**, *On the Stancu type bivariate approximation formula*, *Carpathian Journal of Mathematics*, **32** (2016), no. 1, 103–111
- 1) **D. Mičlăuș**, *The revision of some results for Bernstein-Stancu type operators*, *Carpathian Journal of Mathematics*, **28** (2012), no. 2, 289–300

B) PhD Thesis

Title: *On the approximation order and Voronovskaja's type theorem for certain linear positive operators*

Supervisor: Prof. univ. dr. Ion Păvăloiu

University: TUC-N, North University Center at Baia Mare

Defended on: 18 Mai 2012

C) Articles published in ISI Journals

- 14) **D. Mičlăuș**, *Some new results concerning the classical Bernstein cubature formula*, *Symmetry*, **13** (2021), no. 6, Article ID: 1068
- 13) A. Kajla and **D. Mičlăuș**, *Bezier variant of the Szasz-Durrmeyer type operators based on the Poisson-Charlier polynomials*, *Filomat*, **34** (2020), no. 10, 3265–3273
- 12) N. Deo, M. Dhamija and **D. Mičlăuș**, *New modified Baskakov operators based on the inverse Pólya-Eggenberger distribution*, *Filomat*, **33** (2019), no. 11, 3537–3550

- 11) **D. Miclăuș**, *An approximation of the surfaces areas using the classical Bernstein quadrature formula*, *Mathematical Methods in the Applied Sciences*, **42** (2019), 5317–5330
- 10) **D. Miclăuș** and L.I. Pișcoran, *A new method for the approximation of integrals using the generalized Bernstein quadrature formula*, *Applied Mathematics and Computation*, **340** (2019), 146–155
- 9) A. Kajla and **D. Miclăuș**, *Approximation by Stancu-Durrmeyer type operators based on Polya-Eggenberger distribution*, *Filomat*, **32** (2018), no. 12, 4249–4261
- 8) A. Kajla and **D. Miclăuș**, *Some smoothness properties of the Lupuş-Kantorovich type operators based on Polya distribution*, *Filomat*, **32** (2018), no. 11, 3867–3880
- 7) A. Kajla and **D. Miclăuș**, *Blending type approximation by GBS operators of generalized Bernstein-Durrmeyer type*, *Results in Mathematics*, **73** (2018), no. 1, <https://doi.org/10.1007/s00025-018-0773-1>
- 6) **D. Miclăuș**, *The generalization of the Bernstein operator on any finite interval*, *Georgian Mathematical Journal*, **24** (2017), no. 3, 447–454
- 5) D. Bărbosu and **D. Miclăuș**, *On the Voronovskaja-type formula for the Bleimann, Butzer and Hahn bivariate operators*, *Carpathian Journal of Mathematics*, **33** (2017), no. 1, 35–42
- 4) N. Deo, M. Dhamija and **D. Miclăuș**, *Stancu-Kantorovich operators based on inverse Pólya-Eggenberger distribution*, *Applied Mathematics and Computation*, **273** (2016), 281–289
- 3) **D. Miclăuș**, *On the Stancu type bivariate approximation formula*, *Carpathian Journal of Mathematics*, **32** (2016), no. 1, 103–111
- 2) O.T. Pop, **D. Miclăuș** and D. Bărbosu, *The Voronovskaja type theorem for a general class of Szasz-Mirakjan operators*, *Miskolc Mathematical Notes*, **14** (2013), no. 1, 219–231
- 1) **D. Miclăuș**, *The revision of some results for Bernstein-Stancu type operators*, *Carpathian Journal of Mathematics*, **28** (2012), no. 2, 289–300

D) Articles published in journals indexed in International Databases

- 24) L. Pișcoran and **D. Miclăuș**, *A new Steffensen-Homeier iterative method for solving nonlinear equations*, *Revista Investigacion Operacional*, **40** (2019), no. 1, 74–80
- 23) **D. Miclăuș**, *On the monotonicity property for the sequence of classical Bernstein operators*, *Afrika Matematika*, **29** (2018), 1141–1149
- 22) D. Bărbosu and **D. Miclăuș**, *On the Stancu operators and their applications*, *Creative Mathematics and Informatics*, **26** (2017), no. 1, 29–36
- 21) **D. Miclăuș**, *The representation of the remainder in classical approximation formula*, *Global Journal of Advanced Research on Classical and Modern Geometries*, **6** (2017), no. 2, 119–125
- 20) **D. Miclăuș**, *On the monotonicity property for the sequence of Stancu type polynomials*, *Analele Științifice ale Universității "Al. I. Cuza" din Iași, (S.N.) Matematică*, **62** (2016), no. 1, 141–149
- 19) **D. Miclăuș**, *The generalization of certain results for Kantorovich operators*, *General Mathematics*, **21** (2013), no. 2, 47–56
- 18) **D. Miclăuș**, *On the GBS Bernstein-Stancu's type operators*, *Creative Mathematics and Informatics*, **22** (2013), no. 1, 73–80
- 17) **D. Miclăuș**, *The moments of Bernstein-Stancu operators*, *Mathematica*, Tome **54** (77), (2012), no. 1, 78–83
- 16) O.T. Pop, D. Bărbosu and **D. Miclăuș**, *The Voronovskaja type theorem for an extension of Szasz-Mirakjan operators*, *Demonstratio Mathematica*, **45** (2012), no. 1, 107–115
- 15) **D. Miclăuș** and O.T. Pop, *The generalization of certain results for Szasz-Mirakjan-Schurer operators*, *Creative Mathematics and Informatics*, **21** (2012), no. 1, 79–85

- 14) **D. Miclăuș**, *On the remainder in bivariate approximation formula by means of Mirakjan-Favard-Szasz type operators*, Analele Universității din Oradea, Fascicola Matematica, **19** (2012), 93–100
- 13) **D. Miclăuș** and O.T. Pop, *The Voronovskaja theorem for some linear positive operators defined by infinite sum*, Creative Mathematics and Informatics, **20** (2011), no. 1, 55–61
- 12) **D. Miclăuș** and P.I. Braica, *Some results concerning calculation of the test functions by Bernstein type operators*, Acta Universitatis Apulensis, **28** (2011), 135–142
- 11) **D. Miclăuș** and P.I. Braica, *The generalization of some results for Bernstein and Stancu operators*, Creative Mathematics and Informatics, **20** (2011), no. 2, 147–156
- 10) **D. Miclăuș**, *On the Mirakjan-Favard-Szasz bivariate approximation formula*, Journal of Science and Arts, **17** (2011), no. 4, 405–411
- 9) **D. Miclăuș**, *The generalization of some results for Schurer and Schurer-Stancu operators*, Revue d'Analyse Numerique et de Theorie de l'Approximation, **40** (2011), no. 1, 62–63
- 8) D. Bărbosu, O.T. Pop and **D. Miclăuș**, *On some extensions for the Szasz-Mirakjan operators*, Analele Universității din Oradea, Fascicola Matematica, **18** (2011), 179–187
- 7) O.T. Pop, **D. Miclăuș** and D. Bărbosu, *The approximation of functions by combining two sequences of operators*, Automation, Computers, Applied Mathematics, **19** (2010), no. 1, 153–163
- 6) **D. Miclăuș**, *The Voronovskaja type theorem for the Szasz-Mirakjan-Kantorovich operators*, Journal of Science and Arts, **13** (2010), no. 2, 257–260
- 5) **D. Miclăuș**, O.T. Pop and D. Bărbosu, *The Voronovskaja type theorem for an extension of Kantorovich operators*, Analele Universității din Craiova, **37** (2010), no. 4, 29–36
- 4) D. Bărbosu, O.T. Pop and **D. Miclăuș**, *The Kantorovich form of some extensions for Szasz-Mirakjan operators*, Revue d'Analyse Numerique et de Theorie de l'Approximation, **39** (2010), no. 1, 8–20
- 3) D. Bărbosu and **D. Miclăuș**, *On the composite Bernstein type cubature formula*, General Mathematics, **18** (2010), no. 3, 73–81
- 2) D. Bărbosu and **D. Miclăuș**, *On the composite Bernstein type quadrature formula*, Revue d'Analyse Numerique et de Theorie de l'Approximation, **39** (2010), no. 1, 3–7
- 1) D. Bărbosu, O.T. Pop and **D. Miclăuș**, *Some quadrature formulas based on linear and positive operators*, Journal of Science and Arts, **11** (2009), no. 2, 198–205

E) Books published in national and international publishing house

- 2) **D. Miclăuș** and D. Bărbosu, *Elements of higher mathematics (in Romanian)*, Risoprint Publishing, Cluj-Napoca 2015, ISBN 978-973-53-1463-7
- 1) **D. Miclăuș**, *A new method to apply the Voronovskaja type theorem*, LAP Lambert Academic Publishing, Germany 2013, ISBN 978-3-659-35575-2

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Lecturer Dan MICLĂUȘ

