Lista de lucrări (List of papers)

Nume/Name: Adrian Holhoș
Data/Date: 24 mai 2019/ May 24, 2019

A. Lista celor mai importante 10 lucrări (List of the most important 10 articles)

1. **A. Holhoș**, A Voronovskaya-Type Theorem for the First Derivatives of Positive Linear Operators, Results Math. *2019*, 74:76.
2. **A. Holhoș** A sequence of positive linear operators related to powered Baskakov basis, Carpathian J. Math., vol. 35, nr. 1, *2019*, 51-58.
3. **A. Holhoș**, Voronovskaya theorem for a sequence of positive linear operators related to squared Bernstein polynomials, Positivity, *2018*, acceptată (https://doi.org/10.1007/s11117-018-0625-y)
4. **A. Holhoș,** Quantitative Estimates of Voronovskaya Type in Weighted Spaces, Results Math. *2018*, 73:53.
5. **A. Holhoș**, Weighted approximation of functions by Favard operators of max-product type, Period. Math. Hungar., vol. 77, nr. 2, *2018*, 340-346.
6. **A. Holhoș**, Two Area Preserving Maps from the Square to the p-Ball, Math. Model. Anal., vol. 22, nr. 2, *2017*, 157-166.
7. **A. Holhoș,** D. Roșca, Area preserving maps and volume preserving maps between a class of polyhedrons and a sphere, Adv. Comput. Math., vol. 43, nr. 4, *2017*, 677-697.
8. **A. Holhoș**, D. Roșca, An octahedral equal area partition of the sphere and near optimal configurations of points, Comput. Math. Appl., vol. 67, nr. 5, *2014*, 1092-1107.
9. **A. Holhoș**, Uniform approximation of functions by Meyer-Konig and Zeller operators, J. Math. Anal. Appl., vol. 393, nr. 1, *2012*, 33-37.
10. **A. Holhoș**, The rate of approximation of functions in an infinite interval by positive linear operators, Stud. Univ. "Babeș-Bolyai" Math., vol. 55, nr. 2, *2010*, 133-142.

B. Teza de doctorat (PhD Thesis)

Titlu/ Title: Contribuții la aproximarea funcțiilor (Contributions to the approximation of functions)
Conducător științific/Supervisor: Prof. dr. Ioan Gavrea
Universitatea/University: Babeș-Bolyai din Cluj-Napoca
Susținere publică/Defended on: 15.07.2010

C. Articole ISI (Articles published in ISI Journals)

1. **A. Holhoș**, Approximation of functions by some exponential operators of max-product type, Studia Scientiarum Mathematicarum Hungarica, vol. 56, nr. 1, *2019*, 94-102.
2. **A. Holhoș**, A Voronovskaya-Type Theorem for the First Derivatives of Positive Linear Operators, Results Math. *2019*, 74:76.
3. **A. Holhoș** A sequence of positive linear operators related to powered Baskakov basis, Carpathian J. Math., vol. 35, nr. 1, *2019*, 51-58.
4. **A. Holhoș**, Voronovskaya theorem for a sequence of positive linear operators related to squared Bernstein polynomials, Positivity, *2018*, acceptată (https://doi.org/10.1007/s11117-018-0625-y)
5. **A. Holhoș** Approximation of Functions by Favard-Szasz-Mirakyan Operators of Max-Product Type in Weighted Spaces, Filomat, vol. 32, nr. 7, *2018*, 2567-2576.
6. **A. Holhoș**, Weighted approximation of functions by Favard operators of max-product type, Period. Math. Hungar., vol. 77, nr. 2, *2018*, 340-346.
7. **A. Holhoș,** D. Roșca, Uniform refinable 3D grids of regular convex polyhedrons and balls, Acta Math. Hungar., vol. 156, nr. 1, *2018*, 182-193.
8. **A. Holhoș**, Quantitative Estimates of Voronovskaya Type in Weighted Spaces, Results Math. *2018*, 73:53.
9. **A. Holhoș**, Weighted Approximation of Functions by Meyer-Konig and Zeller Operators of Max-Product Type, Numerical Functional Analysis and Optimization, vol. 39, nr. 6, *2018*, 689-703.
10. **A. Holhoș**, Two Area Preserving Maps from the Square to the p-Ball, Math. Model. Anal., vol. 22, nr. 2, *2017*, 157-166.
11. **A. Holhoș,** D. Roșca, Area preserving maps and volume preserving maps between a class of polyhedrons and a sphere, Adv. Comput. Math., vol. 43, nr. 4, *2017*, 677-697.
12. **A. Holhoș**, Uniform approximation of functions by Bernstein-Stancu operators, Carpathian J. Math., vol. 31, nr. 2, *2015*, 205-212.
13. **A. Holhoș**, D. Roșca, An octahedral equal area partition of the sphere and near optimal configurations of points, Comput. Math. Appl., vol. 67, nr. 5, *2014*, 1092-1107.
14. **A. Holhoș**, Uniform approximation of functions by Meyer-Konig and Zeller operators, J. Math. Anal. Appl., vol. 393, nr. 1, *2012*, 33-37.
15. **A. Holhoș**, An inequality for a linear discrete operator involving convex functions, J. Math. Inequal., vol. 3, nr. 3, *2009*, 383-393.

D. Articole BDI (Articles published in Journals indexed in International Databases)

1. **A. Holhoș**, Uniform approximation of functions by Bernstein-type operators, Ann. Tiberiu Popoviciu Semin. Funct. Equ. Approx. Convexity, vol. 11, *2013*, 53-57.
2. **A. Holhoș**, The Rate of convergence of some Riemann-Stieltjes sums, Automat. Comput. Appl. Math., vol. 22, nr. 1, *2013*, 137-145.
3. **A. Holhoș**, An Integral Formula of Green's Type, Automat. Comput. Appl. Math., vol. 21, nr. 1, *2012*, 69-75.
4. **A. Holhoș**, Uniform weighted approximation by positive linear operators, Stud. Univ. Babeș-Bolyai Math., vol. 56, nr. 3, *2011*, 135-146.
5. **A. Holhoș**, Uniform approximation in weighted spaces using some positive linear operators, Stud. Univ. Babeș-Bolyai Math., vol. 56, nr. 2, *2011*, 413-422.
6. I. Gavrea, **A. Holhoș**, The Rate of Approximation of Real Functions by Rational Functions with Prescribed Numerator Degree, Automat. Comput. Appl. Math., vol. 19, nr. 2, *2010*, 273-280.
7. **A. Holhoș**, The rate of approximation of functions in an infinite interval by positive linear operators, Stud. Univ. "Babeș-Bolyai" Math., vol. 55, nr. 2, *2010*, 133-142.
8. **A. Holhoș**, Uniform Approximation by Positive Linear Operators on Noncompact Intervals, Automat. Comput. Appl. Math., vol. 18, nr. 1, *2009*, 121-131.
9. **A. Holhoș**, The Rate of Convergence of Positive Linear Operators in Weighted Spaces, Automat. Comput. Appl. Math., vol. 17, nr. 2, *2008*, 239-246.
10. **A. Holhoș**, Quantitative estimates for positive linear operators in weighted spaces, Gen. Math., vol. 16, nr. 4, *2008*, 99-110.

E. Articole publicate în Proceedingurile unor Conferințe Internaționale (Articles published in Proceedings of International Conferences)

1. A. Ceclan, **A. Holhoș**, D. D. Micu, S. Spinean, L. Czumbil, A. Andreotti, Lightning return stroke current reconstruction or vertical and variable channel shape, 2014 International Conference on Lightning Protection (ICLP), 11-18 Octombrie 2014, Shanghai, China, *2014*, 1370-1375.

F. Cărți/Manuale de specialitate/Cursuri publicate la edituri din țară recunoscute de CNCSIS (Books published in national publishing house)

1. **A. Holhoș**, Curs de Matematici speciale, U.T. Press, Cluj-Napoca, 2018.

G. Culegeri de probleme publicate la edituri din țară recunoscute de CNCSIS (Books published in national publishing house)

1. A. Ciupa, **A. Holhoș**, Calcul integral-culegere de probleme, Casa cărții de știință, Cluj-Napoca, 2011.
2. Colectiv UTCN, Teste grilă de matematică 2019, U.T. Press, Cluj-Napoca, 2019.