LISTA DE LUCRĂRI

Prof. univ. dr. **ACU, D. MUGUR ALEXANDRU**

1. Teza de doctorat

T1**, Mugur Acu**, *Clase speciale de funcţii univalente. Conservarea proprietăţilor lor geometrice***,** 140 pg., conducător ştiinţific : Prof. univ. dr. Petru T. Mocanu, membru corespondent al Academiei Române, Universitatea "Babeş Bolyai" din Cluj – Napoca, 2005

2. Cărţi publicate, îndrumare publicate, capitole publicate în volume colective, capitole teoretice redactate, sisteme de laborator functionale, etc.

C1, **Mugur Acu**, *Subclasses of α-convex functions*, Editura Universităţii „Lucian Blaga" din Sibiu, ISBN 978-973-739-693-8, 132 pg, 2008

C2, Daniel Breaz, **Mugur Acu**, *Analiză Matematică*, Editura Risoprint Cluj-Napoca, ISBN 978-973-751-856-9, 220 pg., 2008

C3, **Mugur Acu**, *Operatorul integral Libera-Pascu şi proprietăţiile acestuia cu privire la funcţiile uniform stelate, convexe, aproape convexe şi α-uniform convexe*, Editura Universităţii „Lucian Blaga" din Sibiu (Zbl 1096.47052), ISBN 973-739-059-8, 100 pg., 2005

C4, D. Acu, **Mugur Acu**, P. Dicu, A.M. Acu, *Matematici aplicate în economie Volumul III – Elemente de teoria probabilităţilor şi de statistică matematică*, Editura Universităţii „Lucian Blaga" din Sibiu, 208 pg., 2003

C5, D. Acu, **Mugur Acu**, P. Dicu, A.M. Acu, *Matematici aplicate în economie Volumul II – Elemente de analiză matematică*, Editura Universităţii „Lucian Blaga" din Sibiu, 370 pg., 2002

C6, D. Acu, **Mugur Acu**, P. Dicu, A.M. Acu, *Analiză matematică*, Editura „ALMA MATER" din Sibiu, 493 pg., 2002

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C8, D. Acu, **Mugur Acu**, P. Dicu, A.M. Acu, *Matematici aplicate în economie Volumul I – Elemente de algebră, programare liniară, teoria grafurilor*, Editura Universităţii „Lucian Blaga" din Sibiu, 170 pg., 2001

C9, A.M. Acu, **Mugur Acu**, P. Dicu, *Matematici aplicate în economie – Elemente de algebră, programare liniară şi teoria grafurilor - Probleme*, Editura Universităţii „Lucian Blaga" din Sibiu, 148 pg., 2001

C10, A.M. Acu, **Mugur Acu**, P. Dicu, M. Olaru, *Analiză Matematică - Probleme*, Editura Universităţii „Lucian Blaga" din Sibiu, 165 pg., 2001

C11, D. Blezu, **Mugur Acu**, *Analiză comlexă – Probleme – Volumul I*, Editura Universităţii „Lucian

Blaga" din Sibiu, 82 pg., 2000

C12, D. Blezu, **Mugur Acu**, *Analiză comlexă – Probleme – Volumul II*, Editura Universităţii „Lucian

Blaga" din Sibiu, 90 pg., 2000

3. Articole / studii publicate; a) în reviste de specialitate de circulaţie internaţională recunoscute cotate ISI sau indexate în baze de date internaţionale specifice domeniului, care fac un proces de selecţie a revistelor pe baza unor criterii de performanţă (Ris); b) în alte reviste de specialitate de circulaţie internaţională (Rio) ; c) în reviste din ţară recunoscute C.N.C.S.I.S. (Rns); d) în alte reviste de specialitate de circulaţie naţională (Rno) - pe categorii:

3.1. Articole ISI:

Ris 1, Lupas Alina Alb, **Acu Mugur**, Properties of a subclass of analytic functions defined by Riemann-Liouville fractional integral applied to convolution product of multiplier transformation and Ruscheweyh derivative, Demonstratio Mathematica, Vol. 56, No. 1(2023), 10.1515/dema-2022-0249, WOS 001027037000001

Ris 2, Guney, Ozlem ; **Acu, Mugur** ; Owa, Shigeyoshi, New classes of certain analytic functions, International Journal of Nonlinear Analysis and Applications, DOI 10.22075/ijnaa.2022.26687.3388, WOS 000898547800008

Ris3, **Mugur Acu**, Shigeyoshi Owa, Radu Diaconu, *Classes of certain analytic functions defining by subordinations*, International Journal of Nonlinear Analysis and Applications, Volume 13, issue 1, Page 1099-1103, DOI 10.22075/ijnaa.2017.10857.1528, 2022

Ris 4, Sevtap Sumer Eker, Bilal Seker, Bilal Cekic, **Mugur Acu**, *Sharp Bounds for the Second Henkel Determinant of Logarithmic Coefficients for Strongly Starlike and Strongly Convex Functions*, Axioms, Volume 11, issue 8, Article number 369, DOI 10.3390/axioms11080369, 2022

Ris 5, **Mugur Acu**, Gheorghe Oros, Ancuta Maria Rus, *Fractional Integral of the Confluent Hypergeometric Functions Related to Fuzzy Differential Subordination Theory*, Fractal And Fractional, Volume 6, issue 8, Article number 413, DOI 10.3390/fractalfract6080413, 2022

Ris 6, Sh. Najafzadeh, **M. Acu**, *Applications of the Bell numbers on univalent functions associated with subordination*, Journal of function Spaces, Volume 2022, Article Number 2324774, DOI 10.1155/2022/2324774

Ris 7, Sh. Najafzadeh, **M. Acu**, *On the Chebyshev polynomial for a certain class of analytic univalent functions*, Journal of Function Spaces, Volume 2021, Article Number 3716428, DOI 10.1155/2021/3716428

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Ris 14, Emel Yavuz, **Mugur Acu**, Yasar Polatoglu, *The Radius of Starlikeness of the Certain Classes of p-Valent Functions Defined by Multiplier Transformations*, Journal of Inequalities and Applications , Volume 2008, Article ID 280183, 5 pg., 2008.

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Ris 16, S. Najfzadeh, **M. Acu**, *q-analogue of generalized Ruscheweyh operator related to a new subfamily of multivalent functions,* General Mathematics, Vol. 27, No. 2 (2019), 59–69

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Ris 23**,** T. Rosy, S. Kavitha, **M. Acu**, G. Murugusundaramoorthy, *On certain subclasses of prestarlike functions*, General Mathematics, Volume 19, Issue 1, **2011**, pp. 3-18.

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Ris 25, Irina Dorca, **Mugur Acu**, and Daniel Breaz, *NOTE ON NEIGHBORHOODS OF SOME CLASSES OF ANALYTIC FUNCTIONS WITH NEGATIVE COEFFICIENTS*, ISRN Mathematical Analysis, vol. 2011, Article ID 610549, 7 pages, **2011**.

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Ris 31, Ana-Maria Acu, **Acu Mugur**, Arif Rafiq, *The estimates for the remainder term of some quadrature formulae*, Acta Universitatis Apulensis (Zbl indexed), Nr. 16/2008, pp. 53-62, 2008

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(MR 2154317, Zbl 1097.30006), Tomus XXV(2005), pp 109-114, 2005

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Ris 73, A.M. Acu, **Mugur Acu**, *On the exponential diophantine equations of the form (a^x)- (b^y)(c^z)=+-1*, General Mathematics (MR2161777), 9(2001), No. 1-2, pp 53-56, 2001

Ris 74, **Mugur Acu**, *Some preserving properties of certain integral operators*, General Mathematics (MR1933897), 8/2000, No. 3-4, pp 23-30, 2000

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3.4. Alte articole:

Rns1, A.M. Acu, **Mugur Acu**, *Asupra unei probleme de aritmetică*, Educatia Matematică (Zbl indexed), Vol. 1(2005), No. 1, pp 109-112, 2005

Rns2, **Mugur Acu**, *Generalizări ale unor probleme*, Anuar Matematic 2003, Vol. VII, pp 27-30, 2003

4. Articole / studii publicate în volumele unor manisfestări ştiinţifice: a) internaţionale recunocute (cu ISSN sau ISBN) din ţară şi străinătate(Vi) şi b) naţionale (Vn), inclusiv cotate ISI sau indexate în baze de date internaţionale

Vi1, **M. Acu**, I. Dorca, S. Owa, *ON SOME STARLIKE FUNCTIONS WITH NEGATIVE COEFFICIENTS,* Proceedings of the International Conference on Theory and Applications of Mathematics and Informatics, ICTAMI 2011, Alba Iulia (2011), pp. 101-112.

Vi2, **Mugur Acu**, - *Some integral operators and meromorphic functions*, Proceedings of the International Symposium on New Development of Geometric Function Theory and Applications – Kebangsaan - Malaysia 2008 (va apare), 2008

Vi3, Ana-Maria Acu, **Mugur Acu**, *A quadrature formula associated with a spline quasi-interpolant operator*, Proceedings of the 12-th WSEAS International Conferences on Computers, Heraklion, Greece, July 2008, pp. 212-217, 2008

Vi4, Ana-Maria Acu, **Mugur Acu**, Arif Rafiq, *Some inequalities of Ostrowski type in the case of weighted integrals*, Proceedings of the International Symposium "Mathematical Inequalities"-Sibiu
2008, (în curs de apariţie), 2008

Vi5, **Mugur Acu**, *On a generic class of analytic functions*, Proceedings of the International Symposium on Geometric Function Theory and Applications – Istanbul 2007, Editors

Shigeyoshi Owa and Yasar Polatoglu (published in 2008), pp. 3-25, 2007

Vi6, **Mugur Acu**, S. Owa, *Note on a class of starlike functions*, Proceeding of The International Short Joint Research Work on Study on Calculus Operators in Univalent Function Theory – Kyoto 2006, published in 2007, pp. 1-10, 2006

Vi7, **Mugur Acu**, S. Owa, *Note on a class of convex functions*, Proceeding of The International Short Joint Research Work on Study on Calculus Operators in Univalent Function Theory – Kyoto 2006, published in 2007, pp. 11-20, 2006

Vi8, **Mugur Acu**, *A note on a class of close to convex functions*, Proceedings of the International Symposium on Complex Function Theory and Applications – Brașov 2006, Transilvania University of Brasov Publishing House, pp. 1-7, 2006

Vn1, **Mugur Acu**, *A generalization of Becker's condition of univalence*, Prooceedings of the sixth annual conference of the Romanian Society of Mathematical Sciences 2002 (publicat în 2003 la Editura Universității "Lucian Blaga" din Sibiu – ISBN 973-651-634-2) (MR2018976), pp 358-368

5. Brevete de invenţie
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6. Proiecte de cercetare – dezvoltare – inovare: a) obţinute prin competiţie pe bază de contract / grant în ţară/străinătate (Pn – naţionale, Pi – străinătate); b) alte lucrări de cercetare-dezvoltare (F1, F2, etc), după caz

Pi1, Romanian-Malaysian Mathematical Research Center – Basic Contract – No. 1003/19.05.2008 – contract de cercetare între Departamentul de Matematică din cadrul Facultăţii de Ştiinţe a Universităţii "Lucian Blaga" din Sibiu şi Facultatea de Ştiinţe şi tehnologie din cadrul Universităţii Kebangsaan – Malaezia, 2008-2012, **Mugur Acu** - **D**irector din partea română, 2008

Pi2, Romanian-Japanese Mathematical Research Center – No. 68/31 August 2006 – contract de cercetare între Departamentul de Matematică al Universităţii "Lucian Blaga" din Sibiu şi Departamentul de Matematică al Universităţii Kinki din Osaka, 2006-2010, **Mugur Acu** – **D**irector din partea română, 2006

Pi3, Romanian-Spanish Mathematical Research Center (parte a Convenţiei de colaborare dintre Universitatea "Lucian Blaga" din Sibiu şi Universitatea din Almeria-Spania), 2008-2009, **Mugur Acu** – membru, 2008

Pn1, Project financed by Lucian Blaga University of Sibiu (Knowledge Transfer Center) & Hasso Plattner Foundation research grants LBUS-HPI-ERG-2023-01 (Operatori liniari pozitivi: noi provocari, noi aplicatii), contract nr. 3190/03.07.2023 (**Mugur Acu**-membru)

Pn2, Grant Nr. 19/14.04.2008 – contract de cercetare între Academia Română şi Universitatea "1Decembrie 1918" din Alba Iulia, **Mugur Acu** – membru, 2008

Pn3, Contract de cercetare – Nr. 1905/04.06.2008 – contract de cercetare între Universitatea "Lucian Blaga" din Sibiu şi S.C. Conseca SRL Sibiu, **Mugur Acu** – membru, 2008

Pn4, Grant Nr. 20/14.08.2007 – contract de cerectare între Academia Română şi Universitatea "1Decembrie 1918" din Alba Iulia, **Mugur Acu** – membru, 2007

Pn5, Contract de cercetare – Nr. 8465/20.09.2007 – contract de cercetare între Univesitatea "Lucian Blaga" din Sibiu şi S.C. Horticola International S.R.L. din Sibiu, **Mugur Acu** – membru, 2007

Pn6, Proiect multianual de cercetare ştiiţifică finanţat din bugetul de stat – Universitatea "Babeş-Bolyai" din Cluj-Napoca – Metode geometrice în teoria funcţiilor reale şi complexe. Aplicaţii – Grant cod CNCSIS 348, tema 57/2006, **Mugur Acu** – membru, 2006

Pn7, Contract de cercetare – Nr. 98/25.09.2006 - contract de cercetare între Universitatea "Lucian Blaga" din Sibiu şi S.C. COMPA I.T. S.R.L. din Sibiu, **Mugur Acu** – **D**irector, 2006

Pn8, Proiect multianual de cercetare ştiiţifică finanţat din bugetul de stat – Universitatea "Babeş-Bolyai" din Cluj-Napoca – Metode geometrice în teoria funcţiilor reale şi complexe. Aplicaţii – Grant cod CNCSIS 348, tema 75/2005, **Mugur Acu** – membru, 2005

Pn9, Proiect multianual de cercetare ştiiţifică finanţat din bugetul de stat – Universitatea "Babeş-

Bolyai" din Cluj-Napoca – Metode geometrice în teoria funcţiilor reale şi complexe. Aplicaţii – Grant cod CNCSIS 348, tema 48/2004, **Mugur Acu** – membru, 2004

Pn10, Contract de cercetare – Nr. 449/07.03.2005 – contract de cercetare între Universitatea "Lucian Blaga" din Sibiu şi S.C. IAMU S.A. din Blaj, **Mugur Acu** – membru, 2005

Pn11, Contract de cercetare – Nr.15/10.05.2004 - contract de cercetare între Universitatea "Lucian Blaga" din Sibiu şi S.C. COMPA I.T. S.R.L. din Sibiu, **Mugur Acu** – membru, 2004

Pn12, Contract de cercetare – Nr. 643/03.02.2004 - contract de cercetare între Universitatea "Lucian Blaga" din Sibiu şi Fundaţia universitară "Alma Mater" din Sibiu, **Mugur Acu** – membru, 2004

7. Creaţii artistice prezentate la manifestări recunoscute

Sibiu, 20.06.2024   Prof. univ. dr. Acu Mugur Alexandru