

COTIRLA LUMINITA-IOANA

Lista de lucrari

1. Lista celor maximum 10 lucrari considerate de candidat a fi cele mai relevante pentru realizarile profesionale proprii, care sunt incluse in format electronic in dosar:

1. Cotirla, L.I. and Szasz, R. , The Monotony of the Lommel Functions, **Results in Mathematics, (ISI-Q1)**, Volume 78, Issue 4, 2023, DOI 10.1007/s00025-023-01888-5;

2. Orhan, H; Caglar, M and Cotirla, L.I., Third Hankel Determinant for a Subfamily of Holomorphic Functions Related with Lemniscate of Bernoulli, **Mathematics, (ISI-Q1)**, Volume 11, Issue 5, 2023, DOI 10.3390/math11051147;

3. Yildiz, C. and Cotirla, L.I. , Examining the Hermite-Hadamard Inequalities for k-Fractional Operators Using the Green Function, **Fractal and Fractional, (ISI-Q1)**, Volume 7, Issue 2, 2023, DOI 10.3390/fractalfract7020161;

4. Cotirla, L.I. and Murugusundaramoorthy, G, Starlike Functions Based on Ruscheweyh q -Differential Operator defined in Janowski Domain, **Fractal and Fractional, (ISI-Q1)**, Volume 7, Issue 2, 2023, DOI 10.3390/fractalfract7020148;

5. Breaz, D ; Cotirla, L.I., The study of coefficient estimates and Fekete-Szego inequalities for the new classes of m -fold symmetric bi-univalent functions defined using an operator, **Journal of Inequalities and Applications, (ISI-Q1)**, Volume 23, Issue 1, 2023, DOI 10.1186/s13660-023-02920-6;

6. Cotirla, L.I. and Szasz, R., On Sendov's Conjecture, **Filomat, (ISI-Q2)**, Volume 37, Issue 16, 2023, DOI 10.2298/FIL2316283C;

7. Cetinkaya, A and Cotirla, L.I., Briot-Bouquet Differential Subordinations for Analytic Functions Involving the Struve Function, **Fractal and Fractional, (ISI-Q1)**, Volume 6, Issue 10, 2022, DOI 10.3390/fractalfract6100540

8. Wanas, AK and Cotirla, L.I., New Applications of Gegenbauer Polynomials on a New Family of Bi-Bazilevic Functions Governed by the q -Srivastava-Attiya Operator, **Mathematics, (ISI-Q1)**, Volume 10, Issue 8, 2022, DOI 10.3390/math10081309;

9. Murugusundaramoorthy, G and **Cotirla, L.I.**, Bi-univalent functions of complex order defined by Hohlov operator associated with legendrae polynomial, **Aims Mathematics, (ISI-Q1)**, Volume 7, Issue 5, 2022, DOI 10.3934/math.2022488;

10. **Cotirla, L.I.**, New classes of analytic and bi-univalent functions, **Aims Mathematics, (ISI-Q1)**, Volume 6 , Issue 10 , 2021, DOI 10.3934/math.2021618.

2. **Teza de doctorat:** Clase special de functii univalente, Conducator stiintific Prof. Univ. Dr. Grigore-Stefan Salagean, Sustinerea publica a avut loc in data de 1 octombrie 2010 ;

3. Carti:

- Culegere de probleme de algebra liniara si geometrie analitica , UTPRESS, 2013;

-New classes of functions defined by operators, Lambert Academic Publishing, 2016;

Autor in

-Teste grila de Matematica pentru Admiterea la Universitatea Tehnica din Cluj-Napoca, UTPRESS 2012-2023;

4. Alte lucrari si contributii stiintifice:

Articole ISI indexate in

WEB OF SCIENCE (ISI) - 44

1. **Cotirla, LI** and Szasz, R, The Monotony of the Lommel Functions, **Results Mathematics(Q1)**, 78(4), 2023.
2. Breaz D., Alahmari A.A. **Cotirla L.I.**, Shah S.A., On Generalizations of the Close-To-Convex Functions Associated with q-Srivastava–Attiya Operator, **Mathematics(Q1)**, 11(9),2023;
3. Breaz, D ; Yildiz, C ; **Cotirla, LI** ; Rahman, G ; Yergoz, B , New Hadamard Type Inequalities for Modified h-Convex Functions, **Fractal and Fractional(Q1)**, 7(3), 2023;
4. Orhan, H; Caglar, M and **Cotirla, LI**, Third Hankel Determinant for a Subfamily of Holomorphic Functions Related with Lemniscate of Bernoulli, **Mathematics(Q1)**, 11(5), 2023;
5. Azzam, AF; Shah, SA; Catas, A; **Cotirla, LI** , On Fuzzy Spiral-like Functions Associated with the Family of Linear Operators, **Fractal and Fractional(Q1)**, 7(2), 2023;

6. Breaz, D ; Orhan, H ; **Cotirla, LI** ; Arıkan, H . A New Subclass of Bi-Univalent Functions Defined by a Certain Integral Operator, **Axioms(Q2)**, 12(2), 2023.
7. **Cotirla, LI** and Juma, ARS, Properties of Differential Subordination and Superordination for Multivalent Functions Associated with the Convolution Operators, **Axioms(Q2)**, 12(2), 2023.
8. **Cotirla, LI** and Murugusundaramoorthy, G, Starlike Functions Based on Ruscheweyh q -Differential Operator defined in Janowski Domain, **Fractal and Fractional(Q1)**, 7(2), 2023
9. **Cotirla, LI** and Wanas, AK, Applications of Laguerre Polynomials for Bazilevic and theta-Pseudo-Starlike Bi-Univalent Functions Associated with Sakaguchi-Type Functions, **Symmetry Basel(Q2)**, 15(2), 2023.
10. El-Deeb, SM and **Cotirla, LI**, Basic Properties for Certain Subclasses of Meromorphic p -Valent Functions with Connected q -Analogue of Linear Differential Operator, **Symmetry-Basel(Q2)** 12(2), 2023
11. Wanas, AK ; Sakar, FM ; Oros, GI; **Cotirla, LI** , Toeplitz Determinants for a Certain Family of Analytic Functions Endowed with Borel Distribution, **Symmetry-Basel(Q2)**, 15(2), 2023
12. Yildiz, C and **Cotirla, LI**, Examining the Hermite-Hadamard Inequalities for k -Fractional Operators Using the Green Function, **Fractal and Fractional(Q1)**, 7(2), 2023.
13. Breaz, D and **Cotirla, LI**, The study of coefficient estimates and Fekete-Szego inequalities for the new classes of m -fold symmetric bi-univalent functions defined using an operator, **Journal of Inequalities and Applications(Q1)**, 2023(1), 2023.
14. **Cotirla, LI** and Szasz, R, On Sendov's conjecture, **Filomat(Q2)**, 37(16), 2023.
15. Breaz, D; Murugusundaramoorthy, G and **Cotirla, LI**, Geometric Properties for a New Class of Analytic Functions Defined by a Certain Operator, **Symmetry-Basel(Q2)**, 14(12), 2022.
16. Deniz, E; Ozkan, Y and **Cotirla, LI**, Subclasses of Uniformly Convex Functions with Negative Coefficients Based on Deniz-ozkan Differential Operator, **Axioms(Q2)**, 11(12), 2022.
17. Buyankara, M; Caglar, M and **Cotirla, LI**, New Subclasses of Bi-Univalent Functions with Respect to the Symmetric Points Defined by Bernoulli Polynomials, **Axioms(Q2)**, 11(11), 2022.
18. **Cotirla, LI** and Wanas, AK, Coefficient-Related Studies and Fekete-Szego Type Inequalities for New Classes of Bi-Starlike and Bi-Convex Functions, **Symmetry-Basel(Q2)**, 14(11), 2022.

19. Shah, SA ; Cotirla, LI ; Catas, A; Dubau, C; Cheregi, G, A Study of Spiral-Like Harmonic Functions Associated with Quantum Calculus, **Journal of Functions Spaces(Q2)**, 2022, DOI 10.1155/2022/5495011
20. Cetinkaya, A and Cotirla, LI, Briot-Bouquet Differential Subordinations for Analytic Functions Involving the Struve Function, **Fractal and Fractional(Q1)**, 6(10), 2022.
21. Orhan, H and Cotirla, LI, Fekete-Szego Inequalities for Some Certain Subclass of Analytic Functions Defined with Ruscheweyh Derivative Operator, **Axioms(Q2)**, 11(10), 2022.
22. Swamy, SR and Cotirla, LI, On $-tau$ -Pseudo- ν -Convex κ -Fold Symmetric Bi-Univalent Function Family, **Symmetry-Basel(Q2)**, 14(10), 2022.
23. Khan, A ; Haq, M; Cotirla, LI ; Oros, GI, Bernardi Integral Operator and Its Application to the Fourth Hankel Determinant, **Journal of Function Spaces(Q2)**, 2022, DOI 10.1155/2022/4227493.
24. Breaz, D ; Cotirla, LI; Umadevi, E; Karthikeyan, KR , Properties of Meromorphic Spiral-Like Functions Associated with Symmetric Functions, **Journal of Function Spaces(Q2)**, 2022, DOI 10.1155/2022/3444854.
25. Caglar, M; Cotirla, LI and Buyankara, M, Fekete-Szego Inequalities for a New Subclass of Bi-Univalent Functions Associated with Gegenbauer Polynomials, **Symmetry-Basel(Q2)**, 14(8), 2022.
26. Cotirla, LI; Kupan, PA and Szasz, R, New Results about Radius of Convexity and Uniform Convexity of Bessel Functions, **Axioms(Q2)**, 11(8), 2022.
27. Cotirla, LI and Karthikeyan, KR, Classes of Multivalent Spirallike Functions Associated with Symmetric Regions, **Symmetry-Basel(Q2)**, 14(8), 2022.
28. Tatoi, EA and Cotirla, LI, Preserving Classes of Meromorphic Functions through Integral Operators, **Symmetry-Basel(Q2)**, 14(8), 2022.
29. Cotirla, LI and Wanas, AK, Symmetric Toeplitz Matrices for a New Family of Prestarlike Functions, **Symmetry-Basel(Q2)**, 14(7), 2022.
30. Murugusundaramoorthy, G and Cotirla, LI, Holder Inequalities for a Generalized Subclass of Univalent Functions Involving Borel Distributions, **Mathematics(Q1)**, 10(14), 2022.
31. Raza, M ; Malik, SN ; Xin, Q ; Din, MU ; Cotirla, LI, On Kudriasov Conditions for Univalence of Integral Operators Defined by Generalized Bessel Functions, **Mathematics(Q1)**, 10(9), 2022.
32. Cetinkaya, A and Cotirla, LI, Quasi-Hadamard Product and Partial Sums for Sakaguchi-Type Function Classes Involving q -Difference Operator, **Symmetry-Basel(Q2)**, 14(4), 2022.

33. Wanas, AK and **Cotirla, LI**, New Applications of Gegenbauer Polynomials on a New Family of Bi-Bazilevic Functions Governed by the q -Srivastava-Attiya Operator, **Mathematics(Q1)**, 10(8), 2022.
34. Akgul, A and **Cotirla, LI**, Coefficient Estimates for a Family of Starlike Functions Endowed with Quasi Subordination on Conic Domain, **Symmetry-Basel(Q2)**, 14(3), 2022.
35. Ahmad, B; Khan, MG and **Cotirla, LI**, Applications of Borel-Type Distributions Series to a Class of Janowski-Type Analytic Functions, **Symmetry(Q2)**, 14(2), 2022.
36. Breaz, D; Catas, A and **Cotirla, LI**, On the Upper Bound of the Third Hankel Determinant for Certain Class of Analytic Functions Related with Exponential Function, **Analele Stiintifice ale Universitatii Ovidius, Constanta**, 30(1), 2022.
37. Wanas, AK and **Cotirla, LI**, Applications of (M, N) -Lucas Polynomials on a Certain Family of Bi-Univalent Functions, **Mathematics(Q1)**, 10(4), 2022.
38. Breaz, D and **Cotirla, LI**, The Study of the New Classes of m -Fold Symmetric bi-Univalent Functions, **Mathematics(Q1)**, 10(1), 2022.
39. Murugusundaramoorthy, G and **Cotirla, LI**, Bi-univalent functions of complex order defined by Hohlov operator associated with legendrae polynomial, **Aims-Mathematics(Q1)**, 7(5), 2022.
40. Oros, GI and **Cotirla, LI**, Coefficient Estimates and the Fekete-Szego Problem for New Classes of m -Fold Symmetric Bi-Univalent Functions, **Mathematics(Q1)**, 10(1), 2022.
41. Wanas, AK and **Cotirla, LI**, Initial Coefficient Estimates and Fekete-Szego Inequalities for New Families of Bi-Univalent Functions Governed by $(p - q)$ -Wanas Operator, **Symmetry-Basel(Q2)**, 13(11), 2021.
42. **Cotirla, LI**, New classes of analytic and bi-univalent functions, **Aims-Mathematics(Q1)**, 6(10), 2021.
43. **Cotirla, LI** and Catas, A, Differential sandwich theorem for certain class of analytic functions associated with an integral operator, **Studia Universitatis Babes-Bolyai Mathematica**, 65(4), 2020.
44. **Cotirla, LI**, Differential subordinations and superordinations for analytic functions defined by an integral operator, **Carpathian Journal of Mathematics(Q2)**, 25(1), 2009.

SCOPUS

45 de lucrari. A se vedea linkul

[https://www.scopus.com/authid/detail.uri?authorId=36165163700;](https://www.scopus.com/authid/detail.uri?authorId=36165163700)

Lucrari (ISI) acceptate recent spre publicare - 5:

1. Frasin B.A., **Cotirla L.I.**, Partial Sums of the Normalized Le Roy-Type Mittag-Leffler Function, **Axioms(Q2)**, 12, 441, 2023;
2. Kazımoğlu S., Deniz E., **Cotirla L.I.**, Certain subclasses of analytic and bi-univalent functions governed by the Gegenbauer polynomials linked with q-derivative, **Symmetry(Q2)**, 26 may 2023.
3. Sheza M. El-Deeb, **Cotirla L.I.**, Coefficient Bounds for Symmetric Subclasses of q-Convolution-Related Analytical Functions, **Symmetry(Q2)**, 15(6),2023.
4. Wanas A.K., **Cotirla L.I.**, New Family of Bi-Univalent Functions with Respect to Symmetric Conjugate Points Associated with Borel Distribution, **Acta Universitatis Sapientiae**, 2023.
5. S. Kazımoğlu, E. Deniz, **L.I. Cotirla**, Geometric Properties of Generalized Integral Operators Related to the Miller-Ross Function, **Axioms**, 1 iunie, 2023.

ALTE BAZE INTERNATIONALE – 20 (BDI)

1. **Cotirla, LI**, Harmonic multivalent functions defined by integral operator, "Studia Universitatis Babeş-Bolyai"– **Mathematica**, Cluj-Napoca, Nr. 1/2009, pag. 65-74;
2. **Cotirla, LI**, Harmonic univalent functions defined by an integral operator, "Acta Universitatis Apulensis ", Nr.17/2009, pag. 95-104;

3. **Cotirla, LI**, A differential sandwich theorem for analytic functions defined by the integral operator, "**Studia Universitatis Babeş-Bolyai**" - **Mathematica**, Cluj-Napoca, Nr.2/2009, pag. 13-22;
4. **Cotirla, LI**, Some properties of a new class of certain analytic functions of complex order, "**Studia Universitatis Babeş - Bolyai** „- **Mathematica** – Cluj-Napoca , Nr. 3/2010, pag. 115-122;
5. **Cotirla, LI**, On a generalization class of bounded starlike functions of complex order, "**Analele Universitatii de Vest**" – Timisoara, Vol. XLVIII, Fasc.3/2010, pag.39-46;
6. **Cotirla, LI**, Generalized almost starlikeness associated with extension operators for biholomorphic mappings, "**Mathematica**" - Cluj-Napoca, nr. 53 (76), No. 2 (December 2011, pag.115-120);
7. **Cotirla, LI**, Harmonic multivalent functions defined by an integral operator,"**Acta Universitatis Apulensis**" , Nr. 21/2010, pag 55-63;
8. **Cotirla, LI**, Properties of analytic functions defined by an integral operator, "**Demonstratio Mathematica**" – Polonia, Nr. 4/2010, pag. 799-803;
9. **Cotirla, LI**, Loewner chains and generalized almost starlike mappings, "**Mathematica**" - Cluj-Napoca, 2012;
10. Juma A.R., **Cotirla, LI**, On harmonic univalent function defined by generalized Sălăgean derivatives, "**Acta Universitatis Apulensis**" , nr. 23/2010, pag. 179-188;
11. Juma, **Cotirla, LI**, On a subclass of analytic functions defined by Ruscheweyh operator, "**Creative Mathematics and Informatics**", nr.1/2012, pag.49-56.

12. Cotirla L.I., Salagean G.St., Sufficient conditions for starlikeness of some integral operators, "Automation, Computers, Applied Mathematics", Cluj-Napoca, Vol.21, nr. 1, 2012, pag.45-53;
13. Cotirla, LI, On harmonic uniformly starlike functions defined by an integral Operator, "International J. of Math. Sci. & Engg. Appls." (IJMSEA), Vol. 7 No. II (March, 2013), pp. 157-167;
14. Cotirla, LI, A New Class of Harmonic Univalent Functions Defined by an Integral Operator, **Global Journal of Science Frontier Research Mathematics and Decision Sciences**, Volume 12, Issue 10 Version 1.0 ,Year 2012 ;
15. Cotirla L.I, Properties of analytic functions defined by an integral operator, **Automat. Comput. Appl. Math.** 25 (1), 21-29, 2016;
16. Salagean, G.St., Cotirla L.I., NEW CLASSES OF HARMONIC UNIVALENT FUNCTIONS, **Acta Universitatis Apulensis**, 56/2018, pp. 101-110;
17. Cotirla L.I., Catas A., A new class of harmonic univalent functions defined by an operator **Libertas Mathematica (new series)** ,39 (1), 51-62, 2019;
18. Cotirla L.I., Catas A., A differential sandwich theorem for analytic functions defined by an integral operator, **Acta Universitatis Apulensis**, 62/2020, pp.19-28;
19. Pall-Szabo A.O.,Cotirla L.I., On a class of functions associated with Salagean integral operator, **Acta Universitatis Apulensis**, 16/2020, pp.81-90;
20. Caglar M., Cotirla L.I., Catas A. , A new family of harmonic functions defined by an integral operator, **Acta Universitatis Apulensis** 72, 1-13, 2022;

27.05.2023

