

## **Lista de lucrari**

1. Harmonic multivalent functions defined by integral operator, "Studia Universitatis Babeş-Bolyai" – Mathematica, Cluj-Napoca, Nr. 1/2009, pag. 65-74;
2. Harmonic univalent functions defined by an integral operator, "Acta Universitatis Apulensis ", Nr.17/2009, pag. 95-104;
3. 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. Differential subordinations and superordinations for analytic functions defined by an integral operator, "Carpathian Journal of Mathematics" (revista cotata ISI), Impact factor: 0,792, Nr. 1/2009, pag. 49-54;
5. Some properties of a new class of certain analytic functions of complex order, "Studia Universitatis Babes - Bolyai „— Mathematica – Cluj-Napoca , Nr. 3/2010, pag. 115-122;
6. On a generalization class of bounded starlike functions of complex order, "Analele Universitatii de Vest" – Timisoara, Vol. XLVIII, Fasc.3/2010, pag.39-46;
7. Generalized almost starlikeness associated with extension operators for biholomorphic mappings, "Mathematica" - Cluj-Napoca, nr. 53 (76), No. 2 (December 2011, pag.115-120);
8. Harmonic multivalent functions defined by an integral operator, "Acta Universitatis Apulensis" , Nr. 21/2010, pag 55-63;
9. Properties of analytic functions defined by an integral operator "Demonstratio Mathematica" – Polonia, Nr. 4/2010, pag. 799-803;
10. Loewner chains and generalized almost starlike mappings, "Mathematica" - Cluj-Napoca, 2012
11. On harmonic univalent function defined by generalized Sălăgean derivatives, "Acta Universitatis Apulensis" , nr. 23/2010, pag. 179-188 (în colaborare, ca autor secund);
12. On a subclass of analytic functions defined by Ruscheweyh operator, "Creative Mathematics and Informatics", nr.1/2012, pag.49-56 (în colaborare, ca autor secund).
13. Sufficient conditions for starlikeness of some integral operators, "The Automation Computers, Applied Mathematics", Cluj-Napoca, Vol.21, nr. 1, 2012, pag.45-53 (în colaborare eu ca prim autor);

**14.** On harmonic uniformly starlike functions defined by an integral Operator, "International J. of Math. Sci. & Engg. Appl." (IJMSEA), revista ISI , Impact factor, 0.5029, Vol. 7 No. II (March, 2013), pp. 157-167;

**15.** 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 ;

**16.** Properties of the analytic functions defined by an integral operator ( eu ca unic autor), acceptat spre publicare;

- A differential sandwich theorem for p-valent functions defined by a generalized multiplier Transformations (in colaborare, eu ca prim autor), trimis spre publicare;

- A differential sandwich theorem for univalent and multivalent functions defined by a generalized multiplier transformations ,(in colaborare, ca autor secund), trimis spre publicare;

- New classes of analytic functions defined by an integral operator, (in colaborare, eu ca prim autor), trimis spre publicare;

- New classes of harmonic univalent functions defined by an integral operator, (eu ca unic autor), trimis spre publicare;

-New classes of harmonic univalent functions ( lucrare prezentata la conferinta in 2016);

#### **Carti:**

1. Culegere de probleme de algebra liniara si geometrie analitica, editura Utpress, 2014;
2. New classes of functions defined by operators, editura Lambert, Germania, 2016;
3. Coautor la Teste grila de matematica, editura Utpress, 2012-2016.

#### **Numărul de citări ale rezultatelor cercetărilor :**

**1. Harmonic univalent functions defined by an integral operator**  
L.I. Cotirla - Acta Universitatis Apulensis, 2009 - emis.ams.org  
Citat de 17 ori.

#### **Articolele in care aceasta lucrare este citata sunt:**

Harmonic p-Valent Functions with Respect to k-Symmetric Points, Faisal Al-Kasasbeh, World Applied Sciences Journal 23 (12): 103-109, 2013;

On a Certain Class of Harmonic Multivalent Functions Defined By Generalized Ruscheweyh Derivative Operator and Hadamard Product, Waggas Galib Atshan Ali Hamza Abada, Journal of College of Education for Pure Sciences Vol. 4 No.1, 2016.

On harmonic uniformly starlike functions defined by an integral operator HO Güney, FM Sakar - Acta Universitatis Apulensis, 2011 - emis.ams.org

A new class of harmonic multivalent functions defined by an integral operator LI Cotirla - Acta Universitatis Apulensis, 2010 - emis.ams.org

A new class of harmonic uniformly starlike functions defined by an integral operator HO Güney, FM Sakar - General Math, 2012 - depmath.ulbsibiu.ro

Harmonic multivalent functions defined by an integral operator C Selvaraj, G Gandhimathy - Acta Universitatis Apulensis, 2012 - emis.ams.org

On harmonic uniformly starlike functions with other points defined by an integral operator

SO Olatunji - International Journal of Mathematical Archive (IJMA) ..., 2012 - ijma.info  
Page 1. International Journal of Mathematical Archive-3(5), 2012, 2058-2064  
Available online through www.ijma.info ISSN 2229 – 5046 International Journal of Mathematical Archive- 3 (5), May – 2012 2058

Harmonic Univalent Functions With Varying Arguments Defined by Using Salagean Integral Operator

RM El-Ashwah, MK Aouf, AH Hassan - Acta Universitatis Apulensis, 2012 - emis.ams.org

Integral operators and analytic or harmonic functions

GS SALAGEAN - 2015 - iku.edu.tr  
Page 1. INTEGRAL OPERATORS AND ANALYTIC OR HARMONIC FUNCTIONS  
Grigore Stefan S'AL'AGEAN Babes-Bolyai University of Cluj-Napoca, Romania  
ISTANBUL May 29, 2015 1 Page 2.  $U := \{z \in \mathbb{C} : |z| < 1\}$ ,  $N := \{0 \dots\}$

A new class of harmonic functions of complex order defined by dual convolution RM EL-ASHWAH, MK AOUF, FM ABDULKAREM - fcag-egypt.com

Univalent harmonic functions defined by Salagean integral operator with respect to symmetric points

S El-Deeb, MK Aouf, RM El-Ashwah, A Shamandy - Le Matematiche, 2012 - dmi.unict.it

Certain Classes of Harmonic Functions Associated with Dual Convolution  
RM EL-Ashwah, MK Aouf... - European Journal of ..., 2013 - ejmathsci.org

Harmonic univalent functions with varying arguments defined by using integral operator  
MK AOUF, RM EL-ASHWAH, FM ABDULKAREM - Electronic Journal of Mathematical  
..., 2014

Harmonic Univalent Function with Varying Arguments Defined by using Salagean  
Integral Operator with Fixed Point  
NK Dixit, P Shukla - Global Journal of Science Frontier ..., 2015 - journalofscience.org

Neighbourhoods of two new classes of harmonic univalent functions with varying  
arguments  
E Yaşar, S Yalçın - Mathematica Slovaca, 2014 - Springer

On a new class of harmonic univalent functions

Abbas Kareem Wanas, Wagga Asthan, December 2013 · Matematicki Vesnik  
4(4):555-564

Certain Classes of Harmonic Functions Associated with Dual  
Convolution, R. M. EL-Ashwah, M. K. Aouf and F. M. Abdulkarem, European Journal  
of Mathematical Sciences, Vol. 2, No. 3, 2013, 296-310  
ISSN 2147-5512 – www.ejmathsci.com

**2. A new class of harmonic multivalent functions defined by an integral operator**  
L.I .Cotirla - Acta Universitatis Apulensis, 2010 - emis.ams.org  
Citat de 4 ori

**Articolele in care aceasta lucrare este citata sunt:**

On Certain Classes of Harmonic-Valent Functions Defined by an Integral Operator  
TM Seoudy - International Journal of Analysis, 2013 - downloads.hindawi.com  
Integral operators and analytic or harmonic functions  
GS SALAGEAN - 2015 - iku.edu.tr

On a new class of harmonic univalent functions  
WG Atshan, AK Wanas - МАТЕМАТИЧКИ ВЕСНИК, 2013 - emis.ams.org

A Class of Harmonic Multivalent Functions Defined by an Integral Operator  
R Ezhilarasi, TV Sudharsan, KG Subramanian - Gen, 2014 - emis.ams.org

**3. Differential subordinations and superordinations for analytic functions defined  
by an integral operator, L.I. Cotirla - CARPATHIAN JOURNAL OF ..., 2009 ;**

Citat de 3 ori

**Articolele in care aceasta lucrare este citata sunt:**

On differential Sandwich theorems of analytic functions defined by generalized Sălăgean integral operator  
MK Aouf, TM Seoudy - Applied Mathematics Letters, 2011 - Elsevier

Differential subordination and superordination for certain subclasses of analytic functions involving an extended integral operator  
RM El-Ashwah, MK Aouf - Acta Universitatis Apulensis, 2011 - emis.ams.org

Sandwich results of normalized analytic functions defined by generalized salagean integral operator  
TM Seoudy - International Journal of Open Problems in Complex ..., 2013 - go.galegroup.com

4. On harmonic univalent function defined by generalized salagean derivatives  
A.R.S. Juma, L.I. Cotirla - Acta Universitatis Apulensis, 2010 - emis.ams.org  
Citat de 1 ori

Lucrarea in care aceasta lucrare este citata este:

A new class of harmonic multivalent functions defined by an integral operator  
LI Cotirlă - Acta Universitatis Apulensis, 2010 - emis.ams.org

5. A differential sandwich theorem for analytic functions defined by the integral operator, Studia Univ, L.I. Cotirla - Babes-Bolyai, Mathematica, 2009

Citat de 2 ori

Integral operators and analytic or harmonic functions  
GS SALAGEAN - 2015 - iku.edu.tr

Some properties of a new class of certain analytic functions of complex order.  
LI Cotirlă - Studia Universitatis Babes-Bolyai, Mathematica, 2010 - search.ebscohost.com

6. Harmonic multivalent functions defined by integral operator, Studia Univ L.I. Cotirla - Babes-Bolyai Mathematica, LIV (1), 2009

Citat de 3 ori

**Articolele in care aceasta lucrare este citata sunt:**

Some properties of a new class of certain analytic functions of complex order.  
LI Cotirlă - Studia Universitatis Babes-Bolyai, Mathematica, 2010 - search.ebscohost.com

A Class of Harmonic Multivalent Functions Defined by an Integral Operator  
R Ezhilarasi, TV Sudharsan, KG Subramanian - Gen, 2014 - emis.ams.org

Partial sums of certain harmonic multivalent functions  
E Yasar, S Yalcin - J. Inequal. and special functions, 2013 - 91.187.98.171

**7. A differential sandwich theorem for analytic functions defined by the integral operator.**

L.I. Cotirlă - Studia Universitatis Babes-Bolyai, Mathematica, 2009 - search.ebscohost.com

Citat de 8 ori

Articolele in care aceasta lucrare este citata sunt:

Sandwich theorems for p-valent functions defined by a certain integral operator  
MK Aouf, AO Mostafa, R El-Ashwah - Mathematical and Computer ..., 2011 - Elsevier

Sandwich theorems for analytic functions defined by certain new operators  
SR Swamy - Journal of Global Research in Mathematical Archives ( ..., 2013 - jgrma.info

Sandwich theorems for p-valent functions defined by certain integral operator  
SR Swamy - International Journal of Mathematical Archive (IJMA) ..., 2013 - ijma.info  
4(3), March – 2013

Differential Sandwich theorems of p-valent functions defined by Noor integral operator  
P He, D Zhang - International Journal of Open Problems in Complex ..., 2013 - i-csrs.org

Differential sandwich theorems of p-valent functions  
P He - MATHEMATICAL REPORTS, 2014 - csm.ro

Sandwich theorems for analytic functions defined by certain new operators,  
journal of global research in mathematical archives,  
SR Swamy, Vol 1, No 2 (2013)