

# LISTA DE LUCRARI

Prof.univ.dr. Emil C. Popa

## *1° Teza de doctorat*

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## *2° Carti publicate*

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**Cb1. Emil C. Popa**, *Elemente de calcul umbral*, Editura Universitatii ”Lucian Blaga” din Sibiu, ISBN 973-9410-48-0, p.105, 1999.

**Cb2. Emil C. Popa**, *Calcul umbral si operatori de aproximare*, Editura Alma Mater, Sibiu, ISBN(10)-973-632-287-4, ISBN(13)-978-973-632-287-7, p.150, 2006.

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**3° Articole/studii publicate:**

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**Ris3. Emil C. Popa**, *On Carlson's type functional inequalities and their applications*, Gen.Math., 2010.

**Ris4. Emil C. Popa** (with S. Barza and L-E Persson), *Some multiplicative inequalities for inner products and of Carlson type*, Journal of Inequalities and Applications, revista **ISI Thomson**, Volume 2008 , Article ID 890137, 7 pages, (**Zbl 1148.26022**), 2008.

**Ris5. Emil C. Popa**, *An inequality of Ostrowski type via a mean value theorem*, Gen. Math., Vol.15, Nr.1, 93-100, 2007( **Zbl 1164. 26349**).

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**Ris8. Emil C. Popa**, *Approximation properties for a certain class of positive linear operators*, *Advances in Applied Mathematical Analysis*, Vol.1, No.2, 2006.

**Ris9. Emil C. Popa** (with S. Barza), *Weighted multiplicative integral inequalities* (partially supported by a grant of Karlstad University for the author E. C. Popa), *J.Ineq. Pure and Appl. Math.*, Vol.7, No.5, (MR2268624(2007g:26022), Zbl 1232. 26022), Art.169, 2006.

**Ris10. Emil C. Popa**, *A certain class of approximation operators*, *Mathematical Inequalities & Applications*, Zagreb, Croatia, Vol 8, nr. 4, revista ISI Thomson, (MR2174896 (2006f:41033), Zbl 05004740), 693 – 703, October 2005.

**Ris11. Emil C. Popa**, *Continuity properties relative to the intermediate point in a mean value theorems*, *Gen. Math.*, Vol. 12, Nr. 3, (Zbl pre 05167688), 53 – 59, 2004.

**Ris12. Emil C. Popa**, *Sheffer polynomials and approximation operators*, *Tamkang Journal of Mathematics*, Tamsui, Taiwan, Vol. 34, No.2, (MR1976330 (2004b:41033), Zbl 1082.41019), 117 – 127, June 2003.

**Ris13. Emil C. Popa**, *On the rate of convergence of certain approximation operators*, *Gen. Math.*, Vol. 10, nr. 1-2, (MR2074721, Zbl 1073.41509), 85-89, 2002.

**Ris14. Emil C. Popa**, *On some approximation operators*, *Annals of the West University of Timisoara, Ser. Mat – Inf* , Vol. 11, Fasc. 2, (MR2106003, Zbl 1073.41507), 97-105, 2002.

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**Ris16. Emil C. Popa**, *Some properties of two linear operators*, *Univ. Beograd, Publ. Elektrotehn. Fak., Yugoslavia, Ser, Mat.* 12, (MR1920356 (2003d:05020), Zbl 1051.05010), 41-47, 2001.

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**Ris22. Emil C. Popa**, *On the Sheffer polynomials*, Buletinul Stiintific al Universitatii “Politehnica” Timisoara, Ser. Mat. – Fiz, Tom. 43 (57). (MR1667138 (99k:33032), Zbl 0974.44006), 21-23, 1998.

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**Ris29. Emil C. Popa**, *An injective morphism of linear spaces*, Gen. Math., Nr. 3, (Zbl 0876.47025), 169 - 172, 1994.

**Ris30. Emil C. Popa, On a Schur's conjecture, Gen. Math., Nr.1, 2, (Zbl 0974.41508 ), 71-77, 1994.**

**Ris31. Emil Popa, Sur quelques critères d'oscillation pour les équations différentielles linéaires du second ordre, Revue Roum. de Math. Pures et Appl., Nr. 1, Vol. 26, (MR0616029 (82h:34045), Zbl 0466.34013), 135-138, 1981.**

***b) In alte reviste de specialitate de circulatie nationala***

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**Rno4. Emil C. Popa, Contributions to the umbral calculus, Ed. Univ. "L.Blaga" din Sibiu, p.27, 1998.**

**Rno5. Emil C. Popa, On a normed linear space, Acta Universitatis Cibiniensis XI(1) 75 – 77, 1997.**

**Rno6. Emil C. Popa, Asupra unei proprietati a punctului intermediar "c" din unele teoreme de medie, Gaz.Mat.Bucur., 138-145,1994.**

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**Rno10. Emil C. Popa, Asupra unei teoreme de medie, Gaz. Mat.Bucur. Nr.5, (Zbl 0716. 26003), 113 – 114, 1989.**

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**Vi2. Emil C. Popa**, *An extension of a Flett's mean value theorem*, Proceedings of The 10<sup>th</sup> Romanian- German Seminar on Approximation Theory and its Applications, Gen.Math.,Special issue, vol.20-no.5 ,p.93- 97, Sibiu, 24-27 May, 2012.

**Vi3. Emil C. Popa**, *A note on the constants of Landau*, Proceedings of the „Romanian-German Symposium on Mathematics and its Applications”, Sibiu, mai 2009 , Gen.Math., Vol.18, No.1, 119-123, 2010.( **Zbl 1212. 26068**).

**Vi4. Emil C. Popa**, *On some inequality for the constants of Landau and Lebesgue*, Proceedings of the 12<sup>th</sup> Symposium of Matematics and its Applications, „Politehnica” University of Timisoara, November, 5-7, 2009, Ed. Politehnica,p.159-161, 2010,( **Zbl 1212. 33004**).

**Vi5. Emil C.Popa**, *On an expansion theorem in the finite operator calculus of G-C. Rota*, Proceedings of the 8th Romanian-German Seminar on

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**Vi6. Emil C. Popa**, *On a problem of A.Shafie*, Proceedings of the fifth International Symposium „Mathematical Inequalities”, Sibiu, 25-27 September, 2008. (**Zbl 1212. 26056**).

**Vi7. Emil C. Popa**, *On a sequence of approximation operators constructed by means of generating functions for binomial polynomials*, Proceedings of the 11- th WSEAS International Conference on Computers, Special session 3 ( Topics: Approximation and Interpolation), Crete Island, Greece, **ISSN: 1790-5117, ISBN: 978-960-8457-92-8**, 333-337, July 23-28, 2007, **Nr. 2138 in Thomson Reuters, Conference Proceedings citation index (List of conferences 2004-2008, 15 september 2008)**.

**Vi8. Emil C. Popa**, *Certain inequalities concerning some complex and positive functionals*, Proceedings of International Symposium on Complex Analysis, Sibiu, 26-29 Aug., 2007, (Organizers: „L. Blaga” University of Sibiu, Romania; Kinki University, Japan; TC Istanbul Kültür University, Turkey), Gen. Math., Vol.15, No.2-3, 108-117, 2007,( **Zbl 1164. 26331**).

**Vi9. Emil C. Popa**, *On the rate of convergence of a linear approximation process*, Proceedings of the tenth International symposium of mathematics and its applications, Romanian Academy and “Politehnica” University of Timisoara, **ISSN 1224-6069, 498-503, 6-9 nov 2003**.

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**Vi14. Emil C. Popa**, *Generalization of the Pincherle derivative*, Proceedings of the Seventh International Symposium of Mathematics and its Applications, Timisoara, Research Center of the Romanian Academy and “Politehnica” University of Timisoara, , 195-198, Nov. 6-9 1997.

#### **5° Proiecte de cercetare/dezvoltare pe baza de contract**

**Pi1.** Karlstad University, Sweden, Department of Mathematics, , april-mai, 2010, **Contract ERASMUS cu caracter didactic si de cercetare.**

- 27.04.2010 “*Estimates and asymptotics for the Landau constants*”, conferinta sustinuta in cadrul Departamentului de matematica, Karlstad University, Sweden.

**Pi2.** Karlstad University, Sweden, Department of mathematics, 15.10 – 15.11 2005: **Grant for visiting professors UFO 2004/303 of Karlstad University**, constand in elaborarea unor lucrari stiintifice in domeniul inegalitatilor integrale si a unor domenii inrudite, precum si sustinerea conferintei “*Finite operator calculus and approximation operators*” in 1.11.2005 in cadrul Seminarului stiintific al Departamentului de matematica al Universitatii .

**Pi3.** Romanian – Japanese Mathematical Research Center – No. 68/31 august 2006 – Contract de cercetare intre Departamentul de Matematica al Universitatii “Lucian Blaga” din Sibiu si Departamentul de Matematica al Universitatii “Kinki” din Osaka, 2006 – 2010, **Emil C. Popa** – membru

**Pi4**Romanian – Malaysian Mathematical Research Center – Basic Contract – Nr. 1003/19.05.2008 – Contract de cercetare intre Departamentul de Matematica al Universitatii “Lucian Blaga” din Sibiu si Facultatea de Stiinte si Tehnologie din cadrul Universitatii Kebangsaan – Malaezia, 2008 – 2012, **Emil C. Popa** – membru



Pn1. Proiect de cercetare national, Nr. 1905/04.06.2008 – Contract de cercetare intre Facultatea de Stiinte a Universitatii “Lucian Blaga” din Sibiu si SC CONSECA ROMANIA – Sisteme dinamice aplicate in modelarea si conducerea optimala a activitatii companiilor, **Emil C. Popa** – membru, 2008 – 2010

Pn2. Contract de cercetare nr. 15/10.05.2004 - 2007

**Emil C. Popa** - Director contract

Beneficiar SC Compa IT SRL Sibiu.

Tema: “*Calcul umbral, teoria operatorilor de aproximare*”

Pn3. Contract nr.27, Tema 10, Cod CNSU240

**Emil C. Popa** - Membru

Predat 1998.

Beneficiar M.E.I.

Tema: “*Restul in teoria operatorilor de aproximare*”

**08.2014**

**Prof. univ. dr. Emil C. Popa**