

## INFORMAȚII PERSONALE Păltănea Radu

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LOCUL DE MUNCA Universitatea Transilvania din Brașov  
Facultatea de Matematică și Informatică  
POZIȚIA Departamentul de Matematică și Informatică  
Profesor, conducător de doctorat – Matematică..

DOMENII DE COMPETENȚĂ PROFESIONALĂ / CERCETARE Analiza matematică, Teoria aproximării

EXPERIENȚA PROFESIONALĂ

2003 - prezent, profesor  
Universitatea Transilvania din Brașov, Facultate de Matematică și Informatică,  
Str. Iuliu Maniu, nr. 50, <https://mateinfo.unitbv.ro/>

1996-2003, Conferențiar  
Universitatea Transilvania din Brașov, Facultate de Matematică și Informatică

1991-1996 Lector,  
Universitatea Transilvania din Brașov, Facultate de Matematică și Informatică

1980-1991, Asistent  
Universitatea Transilvania din Brașov, Facultate de Matematică și Informatică

1977-1980 Programator,  
Oficiul de calcul CPJ Brașov

## EDUCAȚIE ȘI FORMARE

1990-1992 Doctorat în Matematică, Universitatea. "Babes-Bolyai" Cluj-Napoca

1976-1977 An V specializare Matematică-Informatică, Universitatea din Brașov

1972-1976 Licența, specializarea Matematică-Informatică, Universitatea din Brașov

## COMPETENȚE PERSONALE

Limba maternă Română

## Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Limba engleză	A2	A2	A2	A2	A2
Limba franceză	A2	A2	A2	A2	A2

Competențe de comunicare Competențe de comunicare dobândite în procesul educativ și lucru în echipă

Competențe  
organizaționale/manageriale

Sef de catedra Analiza matematica si Probabilitati, 2004-2010

Editor coordonator al Seriei III a Buletinului Universitatii Transilvania 2001-prezent

Coordonator al unor programe de studii 1995-prezent

Competențe dobândite la locul  
de muncă

Competente legate de controlul calității, Expert ARACIS

Competențe informatice

Cunostiinte Latex, Office, Limbaje de programare

INFORMATII  
SUPLIMENTARE

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Publicații

2 monografii științifice, din care una in editura internațională  
2 cărți cu caracter didactic  
102 articole de specialitate, din care 23 in publicatii indexate Web of Science,  
Peste 200 citari in reviste indexate Web of Science

Conferințe

Participarea la peste 50 de conferințe internaționale . sau naționale în alte centre  
universitare  
Membru in comitetul de stiintific și in comitetul de organizare a unor manifestări științifice

Proiecte

Director grand de cercetare national CNCSIS A431/2006 “Studii în teoria aproximării,  
optimizare, aproximare stochastică și aplicații” 2006-2008

Stagii de cercetare

Universitatea Duisburg-Essen, 2001 (1 lună), 2005 (1 lună), 2006 (1 lună), 2007 (1 lună)

Distincții

Premiul Academiei Române “Simion Stoilov”, 2007 pentru “ciclul de lucrări privind  
aproximarea prin operatori liniari și pozitivi”

Afilieri

SSMR. European Mathematical Society, American Mathematical Society

## ANEXE

## Lista publicațiilor

**Carti**

R. Păltănea, *Approximation Theory Using Positive Linear Operators*, Birkhauser, Boston, (Springer Media), (2004), ISBN: 0-8176-4350-8

R. Păltănea, *Approximation by Positive Linear Operators: Estimates with Second Order Moduli*, Transilvania University Publisher, Brașov, (2003), ISBN: 973-635-132-7

R. Păltănea, E. Păltănea *Elemente de analiză matematică și teoria aproximării*, Transilvania University Publisher, Brașov, (2009), ISBN: 978-973-598-656-8}.

R. Păltănea, E. Păltănea *Analiză matematică*, Transilvania University Publisher, Brașov, (2003), ISBN: 973-635-162-9}

**Articole**

1. R. Păltănea, *On the geometric series of linear positive operators*, Constructive Mathematical Analysis, 2 (2019), no. 2, 49-56.

2. C. L. Moldovan, R. Păltănea, *Second degree Schoenberg operators with knots at the roots of Chebyshev polynomials*, Rev. R. Acad. Cienc. Exactas Fis. Nat. Ser. A Math. 113 (2019), no. 3, 2793-2804. indexată WOS

3. R. Păltănea, M. Smuc, *Sharp estimates of asymptotic error of approximation by general positive linear operators in terms of the first and the second moduli of continuity*, Results Math (2019), 74:70, indexată WOS

4. N. Minculete, R. Păltănea, *Some improved inequality in an inner product space*, Journal of Mathematical Inequalities, vol. 13 (2019), issue 1, 147-157. indexată WOS

5. C. L. Moldovan, R. Păltănea, I. Vișa, *Experimental Assessment of the Meliss Simulation Model Accuracy of the direct solar irradiance in Brașov, Romania*, Annals of West University of Timișoara, Physics, vol. 60, (2018), no. 1, 24-37.

6. C. L. Moldovan, R. Păltănea, I. Vișa, *Comparison between measurements and Meliss simulations of the direct solar irradiance for a winter month in Brașov*, Annals of "Dunărea de Jos" University of Galați. Mathematics, Physics, Theoretical Mechanics, Fascicule II, vol. 10 (2018) no. 1, 94-103.

7. U. Abel, O. Agratini, R. Păltănea, *A complete asymptotic expansion for the quasi-interpolants of Gauss-Weierstrass operators*, Mediterr. J. Math., vol. 15 (2018), no. 4, Article number 156. indexată WOS

8. R. Păltănea, *Asymptotic Constant in Approximation of Twice Differentiable Functions by a Class of Positive Linear Operators*, Results Math. vol. 73 (2018), no. 2, Article 64 UNSP. indexată WOS
9. R. Păltănea, M. Talpău Dimitriu *Estimates for weighted  $K$ -functionals using the least concave majorant of weighted moduli of continuity*, Numer. Funct. Analysis Optimiz. (2017), vol 38, no. 12, 1589-1600, indexată WOS
10. N. Minculete, R. Păltănea, *Improved estimate for the triangle inequality* Journal of Inequalities and Applications, (2017): Article 17, indexată WOS
11. B. Minea, R. Păltănea, *Summation methods applied to Voronovskaya-type theorems for the partial sums of Fourier series and for Fejer operators*, Mathematica Slovaca vol. 66 (2016), no. 1, 235-244 indexată WOS
12. R. Păltănea, M. Smuc *General estimates of the weighted approximation on interval  $[0, \infty)$  using moduli of continuity*, Bull. Transilvania Univ. Braşov, Series III: Math. Inform. Physics, vol. 57, (2015), no. 2, 93-108.
13. U. Abel, M. Ivan, R. Păltănea *The Durrmeyer variant of an operator defined by D.D. Stancu*, Applied Mathematics and Computation, vol. 259 (2015), 116-123, indexată WOS
14. R. Păltănea, G. Stan, *Voronovskaja theorem for simultaneous approximation by Bernstein operators on a simplex*, Mediterr. J. Math. vol. 12 (2015), no. 3, 889-900. indexată WOS
15. R. Păltănea, G. Stan, *Transformation of the second order modulus by positive linear operators*, An. Şt. Univ. Ovidius Constanţa, vol. 23 (2015), 237-246. indexată WOS
16. R. Păltănea, *Approximation of fractional derivatives by Bernstein polynomials*, General Mathematics, vol. 22 (2014), no. 1, 91-98.
17. U. Abel, M. Ivan, R. Păltănea, *Geometric series of positive linear operators and the inverse Voronovskaya theorem on a compact interval*, J. Approx. Theory, vol. 184 (2014), 163-175. indexată WOS
18. R. Păltănea, *Simultaneous approximation by a class of Szasz-Mirakjan operators*, J. Applied Functional Analysis, vol. 9 (2014), no's 3-4, 356-368.
19. U. Abel, M. Ivan, R. Păltănea, *Geometric series of Bernstein operators revisited*, J. Math. Anal. Appl.}, vol. 400 (2013), no. 1, 22-24. indexată WOS
20. R. Păltănea, *A note on generalized Bernstein-Kantorovich operators*, Bulletin of the Transilvania University of Braşov, Series III: Mathematics, Informatics, Physics, vol. 6(55) (2013), no. 2, 27-32.
21. R. Păltănea, *Generalized Bernstein-Durrmeyer operators on a simplex*, General Mathematics, vol. 20, (2012), no. 5, 71-82.
22. R. Păltănea, *Estimates of approximation in terms of a weighted modulus of continuity*, Bulletin of the Transilvania University of Braşov, Series III: Mathematics, Informatics, Physics, vol. 4(53) (2011), no. 1, 67-74.

23. R. Păltănea, Gh. Zbăganu, *On the moments of iterated tail*, Mathematical Reports, vol. 13(63) no. 1 (2011), 65-74. indexată WOS
24. R. Păltănea, *Estimates for general positive linear operators on non-compact interval using weighted moduli of continuity*, Studia Univ. Babeș-Bolyai Math, vol. 56 (2011), no. 2, 497—504.
25. R. Păltănea, *On a constant in the lower estimate for Bernstein operators*, Annals of the Tiberiu Popoviciu Seminar}, vol 8, (2010), 45-53.
26. R. Păltănea, *Representation of the  $K$ -functional  $K(f, C[a, b], C^1[a, b], \cdot) - a$  new approach*, Bulletin of the Transilvania University of Brașov, Series III: Mathematics, Informatics, Physics, vol. 3(52) (2010) 93—100.
27. H. Gonska, R. Păltănea, *Quantitative convergence theorems for a class of Bernstein-Durrmeyer operators preserving linear functions*, Ukrainischi Matematichi Journal, vol. 62 (2010) 913—922. indexată WOS
28. H. Gonska, R. Păltănea, *Simultaneous approximation by a class of Bernstein-Durrmeyer operators preserving linear functions*, Czechoslovak Mathematical Journal, vol. 60 (135) (2010), no. 3, 783--799. indexată WOS
29. R. Păltănea, *The degree of approximation by Bernstein operators in the knots General Mathematics* vol. 18, no.1 (2010), 99—112.
30. H. Gonska, R. Păltănea, *General Voronovskaja and asymptotic theorems in simultaneous approximation*, Mediterranean Journal Math. vol. 7 (2010), 37—49. indexată WOS
31. R. Păltănea *A second order weighted modulus on a simplex*, Results in Mathematics, vol. 53 (3-4) (2009), 361—369. indexată WOS
32. S. Gal, H. Gonska, D. Kacso, R. Păltănea, E. Stănilă, A. Vernescu, *Luciana and Alexandru Lupaș: in memoriam*, Results in Mathematics, vol. 53 (3-4) (2009), 203-215. indexată WOS
33. R. Păltănea, *Asymptotic expansion for Durrmeyer operators in complex domains*, Proceedings of The 6-th Congress of Romanian Mathematicians, București, 2007}, Romanian Academy Publisher, 2008, 347--353,
34. R. Păltănea, *On approximation by Bernstein operators in the knots*, Ann. Tiberiu Popoviciu Semin. Funct. Equ. Approx. Convexity, vol. 6, (2008) 91--96.
35. R. Păltănea, *Modified Szasz-Mirakjan operators of integral form*, Carpathian Journal of Mathematics, vol. 24 (3-4) (2008), 378-385. indexată WOS
36. C. Cismașiu, R. Păltănea, *Asymptotic formulae for exponential operators*, Bulletin of the Transilvania University of Brașov, Series III: Mathematics, Informatics, Physics, vol. 1(50), (2008), 459-464.
37. R. Păltănea, *On some constants in approximation by Bernstein operators*, General Mathematics, vol. 16, no. 4 (2008), 137--148.

38. H. Gonska, R. Păltănea, *General Voronovskaja theorem in simultaneous approximation*, Schriftenreihe des Fachbereichs Mathematik, Univ. Duisburg-Essen, SM-DU-663, 2008.
39. H. Gonska, R. Păltănea, *Bernstein-Durrmeyer-type operators which preserve linear functions*, Schriftenreihe des Fachbereichs Mathematik, Univ. Duisburg-Essen, SM-DU-662, 2008.
40. R. Păltănea, A class of Durrmeyer type operators preserving linear functions, *Ann. Tiberiu Popoviciu Semin. Funct. Equ. Approx. Convexity*, vol. 5, (2007), 109—117.
41. H. Gonska, R. Păltănea, *Riesz-type representation for positive linear operators preserving continuity*, *Acta Math. Hungarica*, vol. 114 (1-2) (2007), 153-163. indexată WOS
42. R. Păltănea, *Estimates with adapted moduli of continuity for a Chebyshev system*, Proc. International Conference on Numerical Analysis and Approximation Theory, NAAT'06, Cluj-Napoca, July 2006, Casa Cărții de Știință, Cluj-Napoca, (2006), 337—352.
43. R. Păltănea, *The power series of Bernstein operators*, *Automation Computers Applied Mathematics*, Vol. 15, no.1, (2006), 7—14
44. R. Păltănea, *The estimate of the degree of approximation using an extended Chebyshev system*, *Bull. Univ. Transilvania, Brașov, serie B*, vol. 12(47), (2005), 1--8.
45. R. Păltănea, *Approximation of functions in Banach spaces using positive linear operators*, in *Mathematical Analysis and Approximation Theory RoGer 2004 Băișoara*, (ed. by Ioan Gavrea, Mircea Ivan), Mediamira Science Publisher, Cluj-Napoca, (2005), 5--20.
46. R. Păltănea, *An inequality involving linear positive operators and convex functions*, in Proc. Conference on Analysis, Functional Equations, Approximation and Convexity in Honour of Professor Elena Popoviciu on the Occasion of Her 80th Birthday, (ed. by L. Lupșa and M. Ivan), Risoprint Press, Cluj-Napoca, ISBN: 973-656-716-8 (2004), 183-187.
47. R. Păltănea, *Estimates for positive linear operators using an arbitrary Chebychev system*, *Annals of the Tiberiu Popoviciu Seminar of Functional Equations, Approximation and Convexity*, Mediamira, Cluj-Napoca, ISBN: 973-656-716-8, (2004), 75—84
48. R. Păltănea, *Optimal constant in approximation by Bernstein operators*, *Comput. Analysis Appl.* vol 5,, no. 2, (2003), 195--235. indexată WOS
49. I. Gavrea, H. Gonska, R. Păltănea and G. Tachev, *General estimates for the Ditzian--Totik Modulus*, *East Journal of Approximation*, Bulgarian Acad. vol. 9, no. 2, (2003), 175--194.
50. R. Păltănea, *Vector variants of some approximation theorems of Korovkin and of Sendov and Popov*, in: *Constructive Theory of functions Varna*, ISBN: 954-90126-6-2. 2002, (ed. by B.D. Bojanov), Darba Publ. House, Sofia
51. R. Păltănea, *Estimates with optimal constants for approximation of differentiable functions*, In: Proc. of the "Tiberiu Popoviciu" Itinerant Seminar of Functional Equations, Approximation and Convexity", (ed. by E. Popoviciu), Srima Publisher, Cluj-Napoca, (2003).



52. R. Păltănea, *Generalized convex functions*, Proc. of the 17-th. Sci. Sess. on Math. and Appl., (ed. by G. Orman), Transilvania Univ. Press, Brașov, ISBN: 973-635-213-7, (2003), 183-204.
53. R. Păltănea, *Approximation of derivatives by nonlinear operators*, L'Analyse Numer. et la Th. de l'Approx., Romanian Acad., vol. 31, no. 2, (2002), 187—194.
54. R. Păltănea, *Simultaneous approximation by generalized Durrmeyer operators with Jacobi weights*, Proc. of the 16-th. Sci. Sess. on Math. and Appl., (ed. by G. Orman), Univ. Transilvania Brașov, (2002), 59-64.
55. R. Păltănea, *Estimates of approximation by linear operators in the multidimensional case*, in: Mathematical Analysis and Approximation Theory, (The 5-th Romanian-German Seminar on Approximation Theory and its Applications RoGer 2002 - Sibiu, ed. by A. Lupaș, H. Gonska and L. Lupaș), Burg Verlag, Sibiu, ISBN: 973-85647-4-3, (2002), 207--220.
56. R. Păltănea, *Estimates with second order moduli*, Rend. Circ. Mat. Palermo, vol. 68, Suppl., (2002), 727--738.
57. R. Păltănea, *Approximation by Durrmeyer operators with general weights*, Proc. International Symposium on Numerical Analysis and Approximation Theory, Cluj-Napoca 2002, dedicated to the 75-th Anniversary of Professor Dr. Dimitrie D. Stancu, (ed. by R. Trimbițaș), Cluj Univ. Press, ISBN: 973-610-166-5, (2002), 396--403.
58. R. Păltănea, *Estimates with generalized second order moduli*, Proc. of the "Tiberiu Popoviciu" Itinerant Seminar of Functional Equations, Approximation and Convexity}, (ed. by E. Popoviciu), Srima Publisher, Cluj-Napoca, ISBN: 973-8296-04-8, (2002), 197-210.
59. R. Păltănea, *Generalized Brass operators*, Schriftenreihe des Fachbereichs Mathematik, Gerhard Mercator Univ. Duisburg, SM-DU-518, (2001), 17 pp.
60. R. Păltănea, *On the estimates with second order modulus with parameter*, Schriftenreihe des Fachbereichs Mathematik, Gerhard Mercator Univ. Duisburg, SM-DU-507, (2001), 14 pp.
61. R. Păltănea, *Approximation of continuous functions by a sequence of generalized Durrmeyer type operators*, Proc. Annual Meeting of the Romanian Society of Mathematical Sciences, Brașov 2001, (ed. by E. Păltănea et al.), vol I, Transilvania Univ. Press, Brașov, ISBN: 973-635-044-4, (2001), 198--201.
62. R. Păltănea, *On a limit operator*, Proc. of the "Tiberiu Popoviciu" Itinerant Seminar of Functional Equations, Approximation and Convexity, (ed. by E. Popoviciu), Srima Press, Cluj-Napoca, ISBN: 973-99781-5-0, (2001), 169--180.
63. R. Păltănea, *A note on Durrmeyer-type operators*, Proc. of the 15-th. Sci. Sess. on Math. and Appl., (ed. by G. Orman), Univ. Transilvania Brașov, (2001), 37-40.
64. R. Păltănea, *A representation of quasi-convex functions with respect to a n-parameter family*, Seminaire de la Theorie de la Meilleure Approximation, Convexite et Optimization 1960-2000}, Srima Publisher, Cluj-Napoca, ISBN: 973-99781-0-X, (2000), 235--241.

65. R. Păltănea, *New type of estimates with moduli of continuity*, Proc. of the 4<sup>th</sup> Romanian- German Seminar on Approximation Theory and its Applications, Braşov 2000}, (ed. by H.Gonska and al.), Schriftenreihe des Fachbereichs Mathematik, Gerhard Mercator Univ. Duisburg, SM-DU-485, (2000), 110-114.
66. R. Păltănea, *A characterization of algebraical polynomials by symmetry*, Proc. of the 2-nd.Int. Conf. on "Symmetry and antisymmetry in mathematics", Univ.Transilvania Braşov, (2000), 275--276.
67. R. Păltănea, *An improved estimate with the second order modulus of continuity*, Proc. of the "Tiberiu Popoviciu" Itinerant Seminar of Functional Equations, Approximation and Convexity, (ed. by E. Popoviciu), Srima Publisher, Cluj-Napoca, ISBN: 973-98591-9-4, (2000), 167--171.
68. R. Păltănea, *The optimality of some estimates with second order moduli of continuity*, Proc. of the 13-th. Sci. Sess. on Math. and Appl., Univ. Transilvania Braşov, (1999), 12-14. MR1758377
69. R. Păltănea, *Saturation theorem for certain sequence of positive linear operators*, in Analysis, functional equations, approximation and convexity, (Proc. Conf. in Honour of Professor Elena Popoviciu on the occasion of Her 75<sup>th</sup> Birthday, ed. by L. Lupşa and M. Ivan), Carpatica Press, Cluj-Napoca, ISBN: 979-97664-9-8, (1999), 227--230.
70. R. Păltănea, *Estimates of the degree of approximation with second order moduli of continuity*, Proc. Annual Meeting of the Romanian Society of Mathematical Sciences, Cluj-Napoca 1998}, (ed. by Gh. Micula, P. Mocanu, I. Şerb), Digital Data Publisher, Cluj-Napoca, ISBN: 973-98789-0-3, (1999), 131--134.
71. R. Păltănea, *On the transformation of the second order modulus by Bernstein operators*, L'Analyse Numer. et la Th. de l'Approx., Romanian Acad., vol. 27, no. 2, (1998), 309--313.
72. R. Păltănea, *On the invariant subspace of some type of linear operators*, Studii în metode de analiză numerică și optimizare, (Chişinău)}, vol. 1, no. 1, (1998), 44--46.
73. R. Păltănea, *On an optimal constant in approximation by Bernstein operators*, Rend. Circ. Mat. Palermo, vol. 52 suppl., (1998), 663--686.
74. R. Păltănea, *On the degree of approximation by Bernstein operators*, General Mathematics, vol. 6. (1998), 65--69.
75. R. Păltănea, *Optimal estimates with moduli of continuity*, Result. Math. Vol. 32, Birkhauser, Basel, (1997), 318--331.
76. R. Păltănea, *Improved estimates of the degree of approximation with second order moduli of continuity - applications*, Proc. Annual Meeting of the Romanian Society of Mathematical Sciences, Bucureşti, 1997}, (1997), 175--177.
77. R. Păltănea, *New second order moduli of continuity*, in: Approximation and optimization (Proc. Int. Conf. Approximation and Optimization, Cluj-Napoca 1996, ed. by D.D. Stancu et al.), vol I, Cluj-Napoca: Transilvania Press, (1997), 327--334.
78. R. Păltănea, *Convexity of higher order that is invariant under symmetries*, Proc. Internat. Conf. on "Symmetry and antisymmetry in mathematics", Univ. Transilvania Braşov, (1996), 93-96.



79. R. Păltănea, *The preservation of the quasiconvexity of higher order by the Bernstein's operators*, L'Analyse Num' er. et la Th. de l'Approx., Romanian Acad., vol. 25., no. 1-2, (1996), 195-201.
80. R. Păltănea, *Best constants in estimates with second order moduli of continuity*, in: Approximation Theory, (Proc. Int. Dortmund Meeting on Approximation Theory 1995, ed. by M.W. Muller, M. Felten, D.H. Mache), Akad Verlag, Berlin, serie Mathematica Research vol. 86, ISBN: 3-05-501673-4, (1995). indexată WOS
81. R. Păltănea *A property of an interpolating operator*, Studia Univ. Babeș-Bolyai, vol. 37, no. 4, (1992), 57-62.
82. I Popescu, R. Păltănea, B. Merfea, C. Cioară, *Algorithm for rounded and coaxial derivations measurement*, VDI Berichte, Duisburg, vol. 940, (1992), 55--60.
83. R. Păltănea, *Estimates of the approximation of functions by positive linear operators*, Proc.Sci. Sess. with teachers and researches of Rep. Moldova, Univ. Transilvania, Brașov, (1991), 101--104.
84. R. Păltănea, *Une generalization de la notion de convexite*, Research Semin. Fac. Math. "Babeș-Bolyai" Univ., vol. 6, (1990), 193--196.
85. R. Păltănea, *On the estimate of the pointwise approximation of functions by linear positive functionals*, Studia Univ. Babeș-Bolyai, vol. 53, no. 1, (1990), 11--24.
86. R. Păltănea, R. Sătnoianu, *Functions whose level sets are all perfect*, Real Analysis Exchange, vol. 15, no. 2 (1989-1990), 548--558.
87. R. Păltănea, *Une theoreme d'extremalite*, Proc. Sci. Sess. of the Dept. of Math. Univ. Brașov, (1989), 47-51.
88. R. Păltănea, *Sur la sommation des series entiers sur la frontiere de convergence, par des methodes d'Euler generalisees*, Bul. Univ. Brașov, serie C, vol. 31, (1989), 35—40.
89. R. Păltănea, *Estimates with second order moduli of continuity (Synthesis)*, Research Semin. Fac. Math. "Babeș-Bolyai" Univ., vol. 4, (1989), 47--78.
90. R. Păltănea, *General estimates for linear positive operators that preserve linear functions*, Anal. Numer. Theor. Approx., Romanian Acad., vol. 18, no. 2, (1989), 147--159.
91. R. Păltănea, *Improved estimates with the second order modulus of continuity in approximation by linear positive operators*, Anal. Numer. Theor. Approx., Romanian Acad., vol. 17, no. 2, (1988), 171--179.
92. R. Păltănea, *Methodes de sommation d'Euler generalisees*, Bul. Univ. Brașov, serie C, vol. 30, (1988), 124--131.
93. R. Păltănea, *Improved constant in approximation with Bernstein operators*, Research Semin. Fac. Math. "Babeș-Bolyai" Univ. vol. 6, (1988), 261--268.

94. R. Păltănea, *Une classe generale d'operateurs polynomiaux*. L'Analyse Numer. et la Th. de l'Approx., Romanian Acad., vol. 17, no. 1, (1988), 49—52.
95. R. Păltănea, *Sur une classe d'operateurs positifs*, Research Semin. Fac. Math. "Babeş-Bolyai" Univ.}, vol. 6 (1987), 251-254.
96. R. Păltănea, *L'estimation de l'approximation des derivees d'ordre r par les polynomes de Brass*, Research Semin. Fac. Math. "Babeş-Bolyai" Univ., vol. 7 (1986), 207—210.
97. R. Păltănea, *Une propriete d'extremalite des valeurs propres des operateurs polynomiaux de Durrmeier generalises*, L'Analyse Numer. et la Th. de l'Approx., Romanian Acad., vol. 15, no. 1, (1986), 57--64.
98. R. Păltănea, *Asupra legăturii dintre operatorii liniari și pozitivi și un sistem Cebîșev format din trei funcții*. in: Applied Mathematics and Mecanics, vol I, University of Braşov, (1985), 125-131.
99. R. Păltănea, *Inverse theorems for a polynomial operator*, Research Semin. Fac. Math. "Babeş-Bolyai" Univ., vol. 6, (1985), 149—152.
100. R. Păltănea, *L'estimation de l'approximation des fonctions continues par les operateurs de Brass*, Research Semin. Fac. Math. "Babeş-Bolyai" Univ., vol. 6, (1984), 261--263.
101. R. Păltănea, *Sur un operateur polynomial defini sur l'ensemble des fonctions integrables*, Research Semin. Fac. Math. "Babeş-Bolyai" Univ., vol. 2, 101--106, (1983).
102. R. Păltănea, *Un exemplu de gramatică care generează formulele adevărate din calculul propozițiilor*. Bul. Univ. Braşov, serie C, 22, (1980), 93--100.