



Curriculum vitae Europass

Informații personale

Nume / Prenume PETRUȘEL ADRIAN-OLIMPIU
Adresă Cluj-Napoca, str. M. Kogalniceanu nr. 1, cod 400084
Telefon +40-264405327
Fax(uri) +40-264591906
E-mail petrusel@math.ubbcluj.ro
Naționalitate română
Data nașterii 09.02.1963
Sex barbatesc

Locul de muncă Universitatea „Babeș-Bolyai” Cluj-Napoca
Domeniul ocupațional Învățământ universitar

Experiența profesională

Perioada 1986-1989
Funcția sau postul ocupat Profesor de matematică
Activități și responsabilități principale Activități didactice
Numele și adresa angajatorului Școala generală nr. 2 Gherla, Cluj
Tipul activității sau sectorul de activitate Învățământ preuniversitar
Perioada 1989-1990
Funcția sau postul ocupat matematician
Activități și responsabilități principale Modelare matematică
Numele și adresa angajatorului Institutul de Tehnică de Calcul și Informatică Cluj-Napoca
Tipul activității sau sectorul de activitate cercetare
Perioada 1990-1994
Funcția sau postul ocupat Asistent titular
Activități și responsabilități principale Activitate didactică și activitate de cercetare
Numele și adresa angajatorului Universitatea „Babeș-Bolyai” Cluj-Napoca
Tipul activității sau sectorul de activitate Învățământ universitar
Perioada 1994-1998
Funcția sau postul ocupat Lector titular
Activități și responsabilități principale Activitate didactică și activitate de cercetare
Numele și adresa angajatorului Universitatea „Babeș-Bolyai” Cluj-Napoca
Tipul activității sau sectorul de activitate Învățământ universitar
Perioada 1998-2003

Funcția sau postul ocupat Conferențiar titular
 Activități și responsabilități principale Activitate didactică și activitate de cercetare
 Numele și adresa angajatorului Universitatea „Babeș-Bolyai” Cluj-Napoca
 Tipul activității sau sectorul de activitate Învățământ universitar
 Perioada 2003 - prezent

Funcția sau postul ocupat Profesor titular
 Activități și responsabilități principale Activitate didactică și activitate de cercetare
 Numele și adresa angajatorului Universitatea „Babeș-Bolyai” Cluj-Napoca
 Tipul activității sau sectorul de activitate Învățământ universitar

Educație și formare

Perioada 1977-1981
 Calificarea / diploma obținută Diplomă de bacalaureat
 Disciplinele principale studiate / competențe profesionale dobândite Competențe profesionale conform profilului absolvit: Matematică-Fizică
 Numele și tipul instituției de învățământ / furnizorului de formare Liceul „Mihai Eminescu” Satu-Mare
 Nivelul în clasificarea națională sau internațională bacalaureat

Perioada 1981-1986
 Calificarea / diploma obținută Diplomă de licență
 Disciplinele principale studiate / competențe profesionale dobândite Competențe profesionale conform specializării absolvite: Matematică
 Numele și tipul instituției de învățământ / furnizorului de formare Universitatea „Babeș-Bolyai” Cluj-Napoca
 Nivelul în clasificarea națională sau internațională licențiat

Perioada 1990-1994
 Calificarea / diploma obținută Diplomă de doctor
 Disciplinele principale studiate / competențe profesionale dobândite Competențe profesionale pe domeniul: Ecuații diferențiale și cu derivate parțiale
 Numele și tipul instituției de învățământ / furnizorului de formare Universitatea „Babeș-Bolyai” Cluj-Napoca
 Nivelul în clasificarea națională sau internațională Doctor în matematică

Aptitudini și competențe personale

Limba maternă română

Limbi străine cunoscute **Engleză, franceză**

Autoevaluare
 Nivel european (*)

Engleză

Franceză

Înțelegere		Vorbire		Scriere
Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scrisă
bine	Foarte bine	bine	bine	bine
Bine	Bine	Bine	Bine	bine

Competențe și abilități sociale	Membru în 5 organizații științifice și profesionale interne și internaționale
Competențe și aptitudini organizatorice	Cancelar Facultate (1998-2008), Prodecan (2008-2012), Decan (2012-)
Competențe și aptitudini tehnice	Conducător de doctorat pe domeniul Matematică, Expert CNCSIS pe domeniul Matematică, Director de grant, Membru Comisia de Matematică CNATDCU
Competențe și aptitudini de utilizare a calculatorului	Windows, Softuri matematice, LaTeX
Competențe și aptitudini artistice	
Alte competențe și aptitudini	Editor șef al revistelor Fixed Point Theory (Casa Cărții de Știință) și Fixed Point Theory and Applications (Springer) Membru în comitetul editorial la mai multe reviste științifice din țară și străinătate, Referent științific la numeroase reviste internaționale, Visiting professor/researcher la mai multe universități din lume
Permis de conducere	Permis de conducere B
Informații suplimentare	
Anexe	Lista publicațiilor și a conferințelor

Data,

30 decembrie 2018

Semnătura,

1. Domenii de interes științific: Operatori neliniari și ecuații diferențiale: Teoria punctului fix, Ecuații și incluziuni diferențiale și integrale, Sisteme dinamice.

2. Limbi străine cunoscute: Engleza, Franceza

3. Alte diplome și grade: Premiul Universității "Babes-Bolyai" pe anul 2002 pentru monografia: I. A. Rus, A. Petrusel, G. Petrusel: Fixed Point Theory 1950-2000 : Romanian Contributions, House of the Book of Science Cluj-Napoca, 2002, 325 pp.

4. Alte funcții deținute:

Cancelar al Facultății de Matematică și Informatică, Universitatea "Babes-Bolyai" Cluj Napoca (2000-2008)

Prodecan al Facultății de Matematică și Informatică, Universitatea "Babes-Bolyai" Cluj Napoca (din 2008-2012)

Decan al Facultății de Matematică și Informatică, Universitatea "Babes-Bolyai" Cluj Napoca (din 2012-)

5. Membru în organizații științifice și profesionale:

- Societatea de Științe Matematice din România (din 1994)
- American Mathematical Society (din 1994)
- European Society of Mathematics (din 2003)
- Working Group on Generalized Convexity / Monotonicity (din 1998)
- Academia Oamenilor de Știință din România (din 2016)

7. Activitate didactică: Cursuri și seminarii de

- Ecuații diferențiale, Anul 2, (curs, seminar) la Universitatea Babes-Bolyai
- Ecuațiile fizicii matematice, Anul 2, (curs, seminar) la Universitatea Babes-Bolyai
- Analiză neliniară aplicată, Master (curs, seminar) la Universitatea Babeș-Bolyai
- Economii matematice, Master (curs, seminar) la Universitatea Babes-Bolyai
- Analiza operatorilor multivoci, Master (curs, seminar) la Universitatea Babes-Bolyai
- Ecuații și incluziuni operatoriale, Anul 4 (curs, seminar) la Universitatea Babes-Bolyai
- Dinamici economice, Anul 4 (curs, seminar) la Universitatea Babes-Bolyai
- Relații Diferențiale, Master (curs, seminar) la Universitatea Babes-Bolyai
- Teoria punctului fix și aplicații, Anul 4 (curs, seminar) la Universitatea Babes-Bolyai

8. Activități de coordonare științifică și didactică

Conducător de Doctorat din anul 2004. Domeniul: Matematică; **Teze de doctorat coordonate:** Monica Boriceanu (Bota) (2009), Petru Tunde Petra (2009), Liliana Guran (2010), Tania Lungu (2010), Ioana Tise (2010), Adriana Nicolae (2011), Darius Filip (2011), Vasile Lazar (2012), Ioan-Radu Petre (2012), Casian Butaci (2012), Oana Mleşnițe (2013), Cristina Urs (2013), Coroian Iulia (2016).

- Director la Grant nr. B03/2000 și Grant nr. A13/2001 (Granturi ANSTI)
- Director la Grant nr. 187/2005-2007 (Grant CNCSIS).

9. Cercetător invitat

1. 2003, Octombrie: Sevilla University, Spain
2. 2004, Septembrie: Valencia University, Spain
3. 2008, Mai-Iunie Valencia University, Spain
4. 2011, Iunie: Amirkabir University of Technology, Tehran, Iran.
5. 2012, Februarie: Chiang mai University, Chiang mai, Thailand
6. 2012, Februarie, King Mongkut's University of Technology Thonburi, Bangkok, Thailand
7. 2013, Mai: Universite de Sfax, Sfax, Tunisia
8. 2014, Noiembrie: University of Lublin, Poland
9. 2015, Octombrie, National Sun Yat-sen University, Kaohsiung, Taiwan
10. 2016 și 2017, Mai respectiv Octombrie, National Sun Yat-sen University, Kaohsiung, Taiwan

11. 2016 și 2017, Mai respectiv Octombrie, Hangzhou Dianzi University, Hangzhou, P.R. China
12. 2017, Octombrie, Institute of Fundamental and Frontier Sciences, Chengdu, P.R. China
13. 2018, Septembrie, National Sun Yat-sen University, Kaohsiung, Taiwan.

10. Profesor invitat

Department of Applied Mathematics, Sun Yat-sen University, Kaohsiung, Taiwan, Februarie-Iunie 2007.

11. Editor și referent științific la reviste internaționale

Editor-șef al revistei cotate SCIE Thomson-Reuters: "Fixed Point Theory" (Casa Cărții de Știință)

Co-Editor-șef al revistei : "Fixed Point Theory and Applications" (Springer)

în Editorial Board-ul revistelor:

"Scientiae Mathematicae Japonicae", "Studia Universitatis Babes-Bolyai, Mathematica", "Annals of the Tiberiu Popoviciu Seminar", "Mathematica" (Cluj), "The Journal of Nonlinear Sciences and its Applications", "FILOMAT", "Applicable Analysis and Discrete Mathematics", "Journal of Function Spaces", "Discrete Dynamics in Nature and Society", "Miskolc Math. Notes", "Linear and Nonlinear Analysis", "Communications in Nonlinear Analysis", "Applied Analysis and Optimization", "Journal of Nonlinear and Variational Analysis", „Acta Universitatis Sapientiae”, Mathematica.

Referent științific la revistele:

"Carpathian Journal of Mathematics"
 "Taiwanese Journal of Mathematics"
 "Journal of Mathematical Analysis and Applications"
 "Sarajevo Journal of Mathematics"
 "International Journal of Mathematics and Mathematical Sciences"
 "Nonlinear Analysis-Theory, Methods and Applications"
 "Journal of Integral Equations and Applications"
 "Applied Mathematics Letters"
 "Fixed Point Theory and Applications"
 "Optimization"
 "Journal of Applied Mathematics and Computing"
 "Computers and Mathematics with Applications"
 "Applied Analysis and Discrete Mathematics"
 "Central European Journal of Mathematics"
 "Mathematica Slovaca"
 "Mathematical and Computer Modelling"
 "Mathematical Modelling and Analysis-The Baltic Journal on Mathematical Applications, Numerical Analysis and Differential Equations"
 "Mathematical Communications"
 "Rendiconti del Seminario Matematico della Universita di Padova"
 "Journal of Inequalities and Applications"
 "MATEMATICKI VESNIK"
 "Differential Equations and Applications"
 "Journal of Applied Analysis"
 "Bulletin of the London Math. Society"
 "Discrete Dynamics in Nature and Society"
 "Journal of Convex Analysis"
 "Analele Stiintifice ale Universitatii Ovidius Constanta, Seria Matematica"
 "Abstract and Applied Analysis"
 "Journal of Optimization Theory and Applications"
 "International Journal of Bifurcation and Chaos", etc.

12. Editor de volume internaționale

- 1) Volumul: Fixed Point Theory and its Applications, Yokohama Publishers, Yokohama, Japan, 2010.

- 2) Editor al unor numere speciale ale revistei *Abstract and Applied Analysis* (2013-2014):
- i) E. Karapinar, W.S. Du, P. Kumam, A. Petrusel, S. Romaguera (Editors): Existence and uniqueness of fixed points in various abstract spaces and related results, Special issue- *Abstract and Applied Analysis*, Hindawi, 2015.
 - ii) J.C. Yao, A. Latif, C. Li, A. Petrusel (Editors): Variational Analysis, Optimization and Fixed Point Theory, Special issue-*Abstract and Applied Analysis*, Hindawi, 2014.

13. Cărți și capitole de cărți publicate

1. A. Petrusel: *Multifunctions and Applications*, Cluj University Press, Cluj-Napoca, 2002, 215 pp.
2. A. Petrusel: *Operator Inclusions*, House of the Book of Science Cluj-Napoca, 2002, 165 pp.
3. I. A. Rus, A. Petrusel, G. Petrusel: *Fixed Point Theory 1950-2000 : Romanian Contributions*, House of the Book of Science, Cluj-Napoca, 2002, 325 pp.
4. A. Petrusel, G. Mot : *Multivalued Analysis and Mathematical Economics*, House of the Book of Science, Cluj-Napoca, 2004, 148 pp.
5. G. Mot, A. Petrusel, G. Petrusel: *Topics in Nonlinear Analysis and Applications to Mathematical Economics*, House of the Book of Science, Cluj-Napoca, 2007, 154 pp.
6. I. A. Rus, A. Petrusel, G. Petrusel: *Fixed Point Theory*, Cluj University Press, 2008, 515 pp.
7. Adrian Petrușel, I.A. Rus: A class of functional-differential equations with applications to a bilocal problem, in: *Topics in Mathematical Analysis and Applications* (Themistocles M. Rassias, L. Toth-Eds.), Springer 2014, pp.609-632.
8. V. Berinde, A. Petrușel, I.A. Rus, M.A. Șerban: The retraction-displacement condition in the theory of fixed point equation with a convergent iterative algorithm, in: *Mathematical Analysis, Approximation Theory and Their Applications* (Th.M. Rassias, V. Gupta-Eds), Springer 2016, pp. 75-106.
9. A. Petrușel, I.A. Rus, M.A. Șerban: Fixed point structures, invariant operators, invariant partitions, and applications to Caratheodory integral equations, *Contributions in Mathematics and Engineering*, Springer Verlag, 2016, 497-515.
10. A. Petrusel, G. Petrusel: Coupled fixed points and coupled coincidence points via fixed point theory, *Mathematical Analysis and Applications: Selected Topics* (M. Ruzhansky, H. Dutta, R.P. Agarwal - Eds.), Wiley, 2018, 661-708.

14. Articole cotate Web of Science Thomson Reuters (listă selectivă)

1. A. Petrusel: Generalized multivalued contractions, *Nonlinear Analysis T.M.A.*, 47(2001), 649-659.
2. A. Petrusel, A. Sintamarian: Single-valued and multi-valued Caristi type operators, *Publ. Math. Debrecen*, 60(2002), 167-177.
3. I. A. Rus, A. Petrusel, A. Sintamarian: Data dependence of the fixed points set of some multivalued weakly Picard operators, *Nonlinear Anal.*, 52(2003), no. 8, 1947-1959.
4. R. Espinola, A. Petrusel: Existence and data dependence of fixed points for multivalued operators on gauge spaces, *J. Math. Anal. Appl.* 309 (2005), 420-432.
5. A. Petrusel, I. A. Rus: Fixed point theorems in ordered L-spaces. *Proc. Amer. Math. Soc.*, 134(2006), no. 2, 411-418.
6. A. Petrusel, I. A. Rus, J.-C. Yao: Well-posedness in the generalized sense of the fixed point problems for multivalued operators, *Taiwanese J. Math.*, 11(2007), 903-914.
7. C. Chifu, A. Petrusel: Multivalued fractals and multivalued generalized contractions, *Chaos, Solitons & Fractals*, 36(2008), 203-210.
8. T. Lazar, D. O'Regan, A. Petrusel: Fixed points and homotopy results for Ciric-type multivalued operators on a set with two metrics, *Bull. Korean Math. Soc.*, 45(2008), 67-73.
9. Donal O'Regan, Adrian Petrusel: Fixed point theorems for generalized contractions in ordered metric spaces *Journal of Mathematical Analysis and Applications*, 341(2008), 1241-1252.
10. Lu-Chuan Ceng, A. Petrusel, J.-C. Yao: Weak convergence theorem by a modified extragradient method for nonexpansive mappings and monotone mappings, *Fixed Point Theory*, 9(2008), 73-87.
11. Lu-Chuan Ceng, A. Petrusel, J.-C. Yao: Strong convergence theorems of averaging iterations of nonexpansive nonself mappings in Banach spaces, *Fixed Point Theory*, 8(2007), 219-236.
12. A. Petrusel, J.-C. Yao: Viscosity approximation to common fixed points of families of nonexpansive mappings with generalized contractions mappings, *Nonlinear Analysis*, 69(2008), 1100-1111.
13. A. Petrusel, I.A. Rus, M.A. Serban: Fibre Picard operators on gauge spaces and applications, *Journal for Analysis and its Applications*, 27 (2008), no.4, 399-415.
14. Lu-Chuan Ceng, A. Petrusel, S.Y. Wu: On hybrid proximal-type algorithms in Banach spaces, *Taiwanese J. Mathematics*, Vol. 12 (2008), No. 8, pp. 2009-2029.
15. Lu-Chuan Ceng, A. Petrusel, C. Lee, M.M. Wong: Two extragradient approximation methods for variational inequalities and fixed point problems of strict pseudo-contractions, *Taiwanese J. Math.* 13(2009), no. 2A, 607-632.
16. G. Mot and A. Petrusel: Fixed point theory for a new type of contractive multivalued operators, *Nonlinear Anal.*, 70 (2009), 3371-3377.
17. A. Petrusel, J.-C. Yao: Viscosity Approximations by generalized contractions for resolvents of accretive operators in Banach spaces, *Acta Mathematica Sinica, English Series*, 25 (2009), No. 4, 553-564.
18. Lu-Chuan Ceng, A. Petrusel, J.-C. Yao: Strong convergence of modified implicit iterative algorithms with perturbed mappings for continuous pseudocontractive mappings, *Applied Mathematics & Computation*, 209 (2009), 162-176.
19. T.A. Lazar, A. Petrusel, N. Shahzad: Fixed points for non-self operators and domain invariance theorems, *Nonlinear Anal.*, 70 (2009), no. 1, 117-125.

20. A. Petrusel, J.-C. Yao: An extragradient iterative scheme by viscosity approximation methods for fixed point problems and variational inequality problems, *Central European Journal of Mathematics*, 7(2) (2009), 335-347.
21. E. Llorens-Fuster, A. Petrusel, J.-C. Yao: Iterated function systems and well-posedness, *Chaos, Solitons and Fractals*, 41 (2009) 1561-1568.
22. L.C. Ceng, A. Petrusel, J.C. Yao: Iterative approaches to solving equilibrium problems and fixed point problems of infinitely many nonexpansive mappings, *J. Optim. Theory Appl.*, 143(2009), 37-58.
23. Lu-Chuan Ceng, S. Huang, A. Petrusel: Generalized projection methods and iterative methods for approximating fixed points of asymptotically weakly suppressive operators, *Taiwanese J. Mathematics*, Vol. 14(2010), No. 1, 59-80.
24. A.-D. Filip, A. Petrușel: Fixed point theorems on spaces endowed with vector-valued metrics, *Fixed Point Theory and Applications*, Volume 2010, Article ID 281381, 15 pages, doi:10.1155/2010/281381.
25. M. Boriceanu, M. Bota, A. Petrușel: Multivalued fractals in b-metric spaces, *Central European Journal of Mathematics*, 8(2010), no. 2, 367-377.
26. M.A. Șerban, I.A. Rus, A. Petrușel: A class of abstract Volterra equations, via weakly Picard operators technique, *Mathematical Inequalities & Applications*, 13(2010), 255-269.
27. Lu-Chuan Ceng, A. Petrusel, M.M. Wong: Strong convergence theorems by a relaxed extragradient-like scheme, *Taiwanese J. Math.*, 14(2010), no. 4, 1689-1711.
28. Lu-Chuan Ceng, A. Petrusel, M.M. Wong: Strong convergence theorem for a generalized equilibrium problem and a pseudocontractive mapping in a Hilbert space, *Taiwanese J. Math.*, 14(2010), No. 5, 1881-1901.
29. Lu-Chuan Ceng, A. Petrusel: Krasnoselski-Mann Iterations for Hierarchical Fixed Point Problems for a Finite Family of Nonself Mappings in Banach Spaces, *J. Optim. Theory Appl.*, 146(2010), 617-638.
30. L.-C. Ceng, A. Petrușel, S. Szentesi, J.-C. Yao: Approximation of Fixed Common Points and Variational Solutions for One-Parameter Family of Lipschitz Pseudocontractions, *Fixed Point Theory*, 11(2010), No. 2, 203-224.
31. L.-C. Ceng, A. Petrușel, J.-C. Yao: Iterative Approximation of fixed points for asymptotically strict pseudocontractive type mappings in the intermediate sense, *Taiwanese J. Mathematics*, 15(2011), No. 2, 587-606.
32. D.R. Sahu, Adrian Petrusel: Strong convergence of iterative methods by strictly pseudocontractive mappings in Banach spaces, *Nonlinear Analysis*, 74(2011), 6012-6023.
33. Lu-Chuan Ceng, Adrian Petrusel, Mu-Ming Wong, Su-Jane Yu: Strong convergence of implicit viscosity approximation methods for pseudocontractive mappings in Banach spaces, *Optimization*, 60(2011), No. 6, 659-670.
34. Adriana Nicolae, Donal O'Regan, Adrian Petrusel: Fixed point theorems for singlevalued and multivalued generalized contractions in metric spaces endowed with a graph, *Georgian Math. J.*, 18(2011), 307-327.
35. L.C. Ceng and A. Petrusel: Relaxed extragradient-like method for general system of generalized mixed equilibria and fixed point problem, *Taiwanese J. Math.*, 16(2012), No. 2, 445-478.
36. A. Petrusel and G. Petrusel: Multivalued Picard operators, *J. Nonlinear Convex Anal.*, 13(2012), no. 1, 157-171.
37. L.C. Ceng, Yen-Cherng Lin and Adrian Petrusel: Hybrid method for designing explicit hierarchical fixed point approach to monotone variational inequalities, *Taiwanese J. Math.*, 16(2012), No. 4, 1531-1555.
38. L.-C. Ceng, A. Petrusel and J.-C. Yao: Multi-step hybrid iterative method for triple hierarchical variational inequality problem with equilibrium problem constraint, *J. Nonlinear Convex Anal.*, 13(2012), no. 3, 475-502.
39. L.C. Ceng, A. Petrusel, J.-C. Yao: Relaxed Extragradient Methods with Regularization for General System of Variational Inequalities with Constraints of Split Feasibility and Fixed Point Problems, *Abstract and Applied Analysis*, 2013, Article Number: 891232 DOI: 10.1155/2013/891232.
40. D.R. Sahu, A. Petrusel, J.-C. Yao: : On fixed points of pointwise Lipschitzian type mappings, *Fixed Point Theory*, 14(2013), 171-184.
41. A. Petrusel, I.A. Rus, M.A. Serban: The role of equivalent metrics in fixed point theory, *Topol. Meth. Nonlinear Anal.*, 41(2013), No. 1, 85-112.
42. D.A. Filip, A. Petrușel: Fixed point theorems for operators in generalized Kasahara spaces, *Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales. Serie A. Matematicas*, 109(2015), no.1, 15-26.
43. Lu-Chuan Ceng, Adrian Petrușel, Mu-Ming Wong, and Jen-Chih Yao: Hybrid algorithms for solving variational inequalities, variational inclusions, mixed equilibria, and fixed point problems, *Abstract and Applied Analysis*, Volume 2014 (2014), Article ID 208717, 22 pages.
44. L.C. Ceng, A. Petrușel and J.C. Yao: Composite viscosity approximation methods for equilibrium problem, variational inequality and common fixed points, *J. Nonlinear Convex Anal.*, 15(2014), no. 2, 219-240.
45. S. Abbas, M. Benchohra, A. Petrusel, Ulam stability for partial fractional differential inclusions via Picard operators theory, *Electronic J. Qualitative Th. Differ. Eq.*, 51(2014), 1-13.
46. M. Jleli, E. Karapinar, A. Petrusel, B. Samet, C. Vetro, Optimization Problems via Best Proximity Point Analysis, *Abstract Applied Anal.*, Article Number: 178040, DOI: 10.1155/2014/178040, 2014.
47. J.-C. Yao, A. Latif, C. Li, A. Petrusel, *Variational Analysis, Optimization, and Fixed Point Theory*, *Abstract and Applied Analysis*, Volume 2015, 19 January 2015, Article number 312823.
48. A. Petrusel, D.R. Sahu, V. Sagar, Vidya, An extragradient iterative scheme for common fixed point problems and variational inequality problems with applications, *Analele St. Univ. Ovidius Constanta, Seria Matematica*, 23(2015), No. 1, 247-266.
49. A.D. Filip, A. Petrusel, Fixed point theorems for operators in generalized Kasahara spaces, *Revista Real Academia Ciencias Exactas, Fisicas y Naturales. Serie A. Matematicas*, 109(2015), 15-26.
50. L.-C. Ceng, Q.H. Ansari, A. Petrușel and J.-C. Yao: Approximation methods for triple hierarchical variational inequalities (I), *Fixed Point Theory*, 16(2015), 67-90.

51. E. Karapinar, W.S. Du, P. Kumam, A. Petrusel, S. Romaguera, Existence and uniqueness of fixed points in various abstract spaces and related results, *Abstract Anal. Appl.*, Vol. 2015, Article ID 123984.
52. A. Petrusel, I.A. Rus, M.A. Şerban: Fixed Points, Fixed sets and iterated multifunction systems for nonself multivalued operators, *Set-Valued Var. Anal.* 23(2015), 223-237.
53. A. Petrusel, G. Petrusel: Nonlinear dynamics, fixed points and coupled fixed points in generalized gauge spaces with applications to a system of integral equations, *Discrete Dynamics in Nature and Society*, Volume 2015 (2015), Article ID 143510, 10 pages, <http://dx.doi.org/10.1155/2015/143510>
54. A. Petrusel, B. Satco: Semilinear evolution equations with distributed measures, *Fixed Point Theory and Applications* 2015, 2015:145 doi:10.1186/s13663-015-0392-4.
55. L.-C. Ceng, Q. H. Ansari, A. Petrusel, J.-C. Yao: Approximation methods for triple hierarchical variational inequalities (II), *Fixed Point Theory* 16(2015), no. 2, 237-260.
56. A. Petrusel, A. Soos: Self-similar sets and fractals generated by Ćirić type operators, *J. Nonlinear Sci. Appl.*, 8(2015), 1048-1058.
57. A. Amini-Harandi, A. Petrusel: An endpoint theorem in generalized L-spaces with applications, *J. Nonlinear Convex Anal.*, 16(2015), no.2, 265-271.
58. A. Petruşel, I.A. Rus, M.A. Şerban: Basic problems of the metric fixed point theory and the relevance of a metric fixed point theorem for a multivalued operator, *J. Nonlinear Convex Anal.*, 15(2014), no. 3, 493-513.
59. M.-F. Bota, A. Petrusel, G. Petrusel, B. Samet: Coupled fixed point theorems for single-valued operators in b-metric spaces, *Fixed Point Theory and Applications* 2015, 2015:231.
60. Y. Su, A. Petrusel, J.-C. Yao: Multivariate fixed point theorems for contractions and nonexpansive mappings with applications, *Fixed Point Theory Appl.* 2016, 2016:9, 19 pp.
61. A. Petrusel, G. Petrusel, B. Samet: A study of the coupled fixed point problem for operators satisfying a max-symmetric condition in b-metric spaces with applications to a boundary value problem, *Miskolc Math. Notes*, 17 (2016), no. 1, 501-516.
62. A. Petrusel, G. Petrusel, J.-C. Yao: A study of a system of operator inclusions via a fixed point approach and applications to functional-differential inclusions, *Carpathian J. Math.*, 32 (2016), No. 3, 349-361.
63. A. Petrusel, G. Petrusel, B. Samet, J.-C. Yao: Coupled fixed point theorems for symmetric multi-valued contractions in b-metric space with applications to systems of integral inclusions, *J. Nonlinear Convex Anal.*, 17 (2016), No. 7, 1265-1282.
64. A. Petruşel, I.A. Rus, M.A. Şerban: Diagonal operators and coupled fixed points via weakly Picard operator technique, *Ann. Acad. Rom. Sci. Ser. Math. Appl.*, 8(2016), No. 2, 155-162.
65. A. Petruşel, I.A. Rus, M.A. Şerban: Contributions to the theory of diagonal operators, *Fixed Point Theory Appl.*, 2016:95, 2016, 1-21.
66. S. Abbas, M. Benchohra, A. Petruşel: Ulam stability for Hilfer type fractional differential inclusions via the weakly Picard operator theory, *Fractional Calc. Appl. Anal.*, 20(2017), no.2, 384-398.
67. A. Petrusel, G. Petrusel, J.-C. Yao: Fixed point and coincidence point theorems in complete b-metric spaces with applications, *Appl. Anal. Discrete Math.* 11(2017), no. 1, 199-215.
68. M. Bota, V. Ilea, A. Petruşel: Krasnoselskii's theorem in generalized b-Banach spaces and applications, *J. Nonlinear Convex Anal.*, 18(2017), no. 4, 575-587.
69. Y. Yao, Yonghong; A. Petruşel, X. Qin: An improved algorithm based on Korpelevich's method for variational inequalities in Banach spaces, *J. Nonlinear Convex Anal.* 19(2018), no. 3, 397-406.
70. J. Brzdęk, E. Karapınar, Erdal; A. Petruşel: A fixed point theorem and the Ulam stability in generalized dq-metric spaces, *J. Math. Anal. Appl.* 467 (2018), no. 1, 501-520.
71. X. Qin, A. Petruşel, J.-C. Yao: CQ iterative algorithms for fixed points of nonexpansive mappings and split feasibility problems in Hilbert spaces, *J. Nonlinear Convex Anal.* 19 (2018), no. 1, 157-165.
72. A. Petruşel, Adrian; G. Petrusel, Y.-B. Xiao, J.-C. Yao: Fixed point theorems for generalized contractions with applications to coupled fixed point theory, *J. Nonlinear Convex Anal.* 19 (2018), 71-88.
73. A. Petruşel, A. Soos: Coupled fractals in complete metric spaces, *Nonlinear Anal. Model. Control* 23 (2018), no. 2, 141-158.

15. Lucrări publicate în Proceedings-uri cotate Web of Science Thomson Reuters/SCOPUS/AMS (listă selectivă)

1. A. Petrusel, I. A. Rus: Multivalued Picard and weakly Picard operators, *Proc. of the International Conference on Fixed Point Theory and Applications*, Yokohama Publ., 2004, 207-226.
2. A. Petrusel: Fixed point theory: The Picard operator technique, *Proc. Seminar on Mathematical Analysis*, University of Malaga and University of Sevilla, 2004, 175-193.
3. A. Petrusel, I. A. Rus: Well-posedness of the fixed point problem for multivalued operators, *Applied Analysis and Differential Equations* (O. Carja and I. I. Vrabie eds.), World Scientific 2007, pp. 295-306.
4. A. Petrusel, I.A. Rus: The theory of a metric fixed point theorem for multivalued operators, *Proc. of the Ninth Intern. Conf. on Fixed Point Theory and its Applications*, Changhua, Taiwan, July 16-22, 2009, Yokohama Publ. 2011, 161-175.
5. A. Petrusel, G. Mot: Convexity and decomposability in multivalued analysis, *Proc. of the Generalized Convexity/Monotonicity Conference*, Samos, Greece, 1999, *Lecture Notes in Economics and Mathematical Sciences*, Springer-Verlag, 2001, 333-341.
6. A. Petrusel, I. A. Rus: Multivalued Picard and weakly Picard operators, *Proc. of the International Conf. on Fixed Point Theory and Applications*, Yokohama Publ., 2004, 207-226.
7. A. Petrusel: Fixed point theory: The Picard operator technique, *Proc. Seminar on Mathematical Analysis*, University of Malaga and University of Sevilla, 2004, 175-193.

8. A. Petrusel, I. A. Rus: Well-posedness of the fixed point problem for multivalued operators, Applied Analysis and Differential Equations (O. Cârja and I. I. Vrabie-Eds.), World Scientific 2007, pp. 295-306.
9. A. Petrusel, I.A. Rus: The theory of a metric fixed point theorem for multivalued operators, Proc. of the Ninth Intern. Conf. on Fixed Point Theory and its Applications, Changhua, Taiwan, July 16-22, 2009, Yokohama Publ. 2011, 161-175.
10. A. Petrusel: Fixed point and coincidence point theorems for multivalued operators, Topics in Nonlinear Analysis and Optimization, (Q.H. Ansari-Ed.), World Education Delhi, 2012, 137-158.
11. I. A. Rus, A. Petrusel, G. Petrusel: Fixed point theorems for set-valued Y-contractions, Fixed Point Theory and its Applications (J. Jachymski and S. Reich-Eds.), Banach Center Publ., 77 (2007), 227-237.
12. A. Petrusel, G. Mot: Convexity and decomposability in multivalued analysis, Proc. of the Generalized Convexity/Monotonicity Conference, Samos, Greece, 1999, Lecture Notes in Economics and Mathematical Sciences, Springer-Verlag, 2001, 333-341.

16. Articole cotate BDI (listă selectivă)

1. A. Petrusel: On a theorem by Roman Wegrzyk, Demonstratio Math., 29(1996), 637-641.
2. A. Petrusel: Fixed points for multifunctions on generalized metric spaces with applications to a multivalued Cauchy problem, Comment. Math. Univ. Carolinae, 38(1997), 657-663.
3. E. Kirr, A. Petrusel: Continuous dependence on parameters of the fixed points set for some set-valued operators, Discuss. Math. - Differential Inclusions, 17(1997), 29-41.
4. E. Kirr, A. Petrusel: Continuous dependence and fixed points for some multivalued operators, Revue d'Anal. Num. et de Th.de l'Approx., 26(1997), 99-101.
5. A. Petrusel: A topological property of the fixed points set for a class of multivalued operators, Mathematica, 40(63), No.2(1998), 269-275.
6. A. Petrusel: Multivalued operators and continuous selections, Pure Math. Appl., 9(1998), 165-170.
7. A. Petrusel: Integral inclusions. fixed point approaches., Ann. Soc. Math. Polon., Commentationes Math., XL(2000), 147-158.
8. A. Petrusel: On the fixed points set for some contractive multivalued operators, Mathematica, Tome 42(65), No. 2(2000), 181-188.
9. A. Petrusel: Multivalued operators and fixed points, Pure Math. Appl., 11(2000), 361-368.
10. A. Petrusel, I. A. Rus: Dynamics on $(P_{cp}(X), H_d)$ generated by a finite family of multi-valued operators on (X, d) , Math. Moravica, 5(2001), 103-110.
11. A. Petrusel: Singlevalued and multivalued Meir-Keeler type operators, Revue d'Anal. Num. et de Th. de l'Approx., 30(2001), 75-80.
12. A. Petrusel: On Frigon-Granas type multifunctions, Nonlinear Analysis Forum, 7(2002), 113-121.
13. A. Petrusel: Dynamic systems, fixed points and fractals, Pure Math. Appl., 13(2002), 275-281.
14. B. C. Dhage, U.P. Dolhare, A. Petrusel, Some common fixed point theorems for sequences of nonself multivalued operators in metrically convex metric spaces, Fixed Point Theory, 4(2003), 143-158.
15. A. Petrusel: Iterated function system of locally contractive operators, Revue d'Analyse Numerique et de Theorie de l'Approximation, 33(2004), 215-219.
16. A. Petrusel : Multivalued weakly Picard operators and applications, Scientiae Mathematicae Japonicae, 59(2004), 169-202.
17. G. Mot, A. Petrusel: Fixed points and game theory, Intern. J. Pure Applied Math., 14(2004), 521-530.
18. A. Petrusel, G. Petrusel: Selections theorems for multivalued generalized contractions, Math. Moravica, 9(2005), 43-52.
19. B.C. Dhage, A. Petrusel: The method of upper and lower solutions for perturbed n-th order differential inclusions, Discuss. Math. Differ. Incl. Control Optim., 26(2006), 57-76.
20. A. Petrusel: Fixed points and integral inclusions, Revue d'Analyse Numerique et de Theorie de l'Approximation, 35(2006), 183-188.
21. A. Petrusel, G. Petrusel: A note on multivalued Meir-Keeler type operators, Studia Univ. Babeş-Bolyai, Mathematica, 51(2006), no. 4, 181-188.
22. I. A. Rus, A. Petrusel, M. A. Şerban: Weakly Picard operators: Weakly Picard operators, equivalent definitions, applications and open problems, Fixed Point Theory, 7(2006), 3-22.
23. Lu-Chuan Ceng, A. Petrusel, J.-C. Yao: Implicit Iteration Scheme with Perturbed mapping for common fixed points of a finite family of lipschitz pseudocontractive mappings, J. Mathematical Inequalities, 1(2007), 243-258.
24. R. Espinola, G. Lopez, A. Petrusel: Crossed Cartesian product of multivalued operators, Nonlinear Funct. Anal. Appl., 12(2007), No. 4, 563-575.
25. A. Petrusel, I. A. Rus: Mathematical contributions of Professor D.V. Ionescu, Notices from the ISMS (Novae Scientiae Mathematicae), January 2008, 1-10, <http://www.jams.or.jp/notice/Notices0801.pdf>
26. A. Petrusel: Existence and data dependence for integral equations and inclusions, J. Applied Math., 1(2008), 201-208.
27. D. O'Regan, A. Petrusel, T.P. Petru: Fixed point results for Ćirić type contractions on a set with two separating gauge structures, Sci. Math. Jpn., 68(2008), no.3, 361-369.
28. G. Mot, A. Petrusel: Some remarks on well-posed problems, Bull. Applied Computer Mathematics, (Proceedings of the Pannonian Applied Mathematics Meetings BAM-CXII Nr. 2357, 25-28 October 2007, Arad, Romania), CXII(2008), 59-66.
29. L. Guran, A. Petruşel: Existence and data dependence for multivalued weakly Ćirić-contractive operators, Acta Univ. Sapientiae Math. 1 (2009), no. 2, 151-159.
30. A. Petruşel, I.A. Rus, M.A. Şerban: Fixed points for operators on generalized metric spaces, Cubo 10 (2008), no. 4, 45-66.
31. M. Boriceanu, A. Petruşel, I.A. Rus: Fixed point theorems for some multivalued generalized contractions in b -metric spaces, International J. Math. and Statistics, 6(2010), S10, 65-76.

32. L. Guran, A. Petrușel: Existence and data dependence for multivalued weakly Ćirić-contractive operators, *Acta Univ. Sapientiae Math.*, 1 (2009), no. 2, 151-159.
33. A. Petrușel: On a theorem by Miron Nicolescu, *Seminar on Fixed Point Theory*, Babes-Bolyai Univ., 1984, 51-54.
34. A. Petrușel: On the fixed points set of multivalued mappings, *Seminar on Fixed Point Theory*, Babes-Bolyai Univ., 1985, 53-58.
35. A. Petrușel: Starshaped and fixed points, *Seminar on Fixed Point Theory*, Babes-Bolyai Univ., 1987, 19-24.
36. A. Petrușel: Fredholm-Volterra integral equations and Maia's theorem, *Seminar on Fixed Point Theory*, Babes-Bolyai Univ., 1988, 79-82.
37. A. Petrușel: Coincidence points, fixed points and surjectivity, *Seminar on Fixed Point Theory*, Babes-Bolyai Univ., 1989, 165-172.
38. A. Petrușel: Coincidence theorems for p-proximate multivalued mappings, *Seminar on Fixed Point Theory*, Babes-Bolyai Univ., 1990, 21-28.
39. A. Petrușel: A generalization of Peetre-Rus theorem, *Studia Univ. Babes-Bolyai, Mathematica*, 35(1990), 81-85.
40. A. Petrușel: (ϵ, ϕ) -locally contractive multivalued mappings and applications, *Studia Univ. Babes-Bolyai, Mathematica*, 36(1991), 24-36.
41. A. Petrușel: Fixed point theorems of Krasnoselskii type for (ϵ, ϕ) -locally contractive multivalued mappings, *Studia Univ. Babes-Bolyai, Mathematica*, 37(1992), 91-96.
42. A. Petrușel: A generalization of the Krasnoselskii's fixed point theorem, *Seminar on Fixed Point Theory*, Babes-Bolyai Univ., 1993, 11-16.
43. A. Petrușel: Fixed points of retractible multivalued operators, *Studia Univ. Babes-Bolyai, Mathematica*, 38(1993), 57-63.
44. A. Petrușel: Multivalued operators in generalized metric spaces, *Seminar on Fixed Point Theory*, Babes-Bolyai Univ., 1994, 11-16.
45. A. Petrușel: An existence result for a multivalued Cauchy problem, *Seminar on Fixed Point Theory*, Babes-Bolyai Univ., 1995, 19-28.
46. A. Petrușel: A-fixed point theorems for locally contractive multivalued operators and applications to fixed point stability, *Studia Univ. Babes-Bolyai, Mathematica*, 41(1996), 79-92.
47. A. Petrușel: Continuous selections for multivalued operators with decomposable values, *Studia Univ. Babes-Bolyai, Mathematica*, 41(1996), 97-100.
48. A. Petrușel, A. Muntean: On Browder's fixed point theorem, *Studia Univ. Babes-Bolyai, Mathematica*, 43(1998), 103-106.
49. A. Petrușel, G. Petrușel: Publications of the Cluj-Napoca Seminar on Fixed Point Theory, *Seminar on Fixed Point Theory*, Babes-Bolyai Univ., 1999, 1-18.
50. A. Petrușel: Coincidence theorems and applications, *Analele Stiintifice ale Univ. Ovidius Constanta*, 8(2000), 93-100.
51. I. A. Rus, A. Petrușel, A. Sîntamarian, Data dependence of the fixed point set of multivalued weakly Picard operators, *Studia Univ. Babes-Bolyai, Mathematica*, 46 (2), (2001), 111-121.
52. A. Petrușel: Fixed points and selections for multivalued operators, *Sem. on Fixed Point Theory Cluj-Napoca*, 2(2001), 3-22.
53. A. Petrușel: Singlevalued and multivalued Meir-Keeler type operators, *Revue d'Anal. Num. et de Th. de l'Approx.*, 30(2001), 75-80.
54. A. Petrușel: Fixed point theory with applications to dynamical systems and fractals, *Sem. on Fixed Point Theory Cluj-Napoca*, 3 (2002), 305-316.
55. A. Petrușel: Caristi type operators and applications, *Studia Univ. "Babes-Bolyai", Mathematica*, 48(2003), 115-123.
56. A. Petrușel: Locally contractive operators and self-similarity, *Annals of the Tiberiu Popoviciu Seminar on Functional Equations, Approximation and Convexity*, 1(2003), 115-122.
57. G. Mot, A. Petrușel: Selection theorems for multivalued operators, *Annals of the Tiberiu Popoviciu Seminar on Functional Equations, Approximation and Convexity*, 3(2005), 151-156.
58. A. Petrușel, G. Petrușel: A note on multivalued Meir-Keeler type operators, *Studia Univ. "Babes-Bolyai", Mathematica*, 51(2006), no. 4, 181-188.
59. A. Petrușel, I.A. Rus: An abstract point of view on iterative approximation schemes of fixed points for multivalued operators, *J. Nonlinear Sci. Appl.*, 6(2013), No. 2, 97-107.

17. Prezentări la conferințe științifice internaționale (listă selectivă)

1. A. Petrușel: A fixed point theorem of Krasnoselskii type for locally contractive multivalued operators, *Proc. of the 23-rd Conf. on Geometry and Topology* (Editor: D. Andrica), Cluj-Napoca, 1993, 117-121.
2. G. Mot, A. Petrușel: A characterization of the ϵ -chainable generalized metric spaces, *Lucrările Sesiunii de Comunicari Stiintifice a Univ. "Aurel Vlaicu" Arad University Press*, Arad, 1994, 135-138.
3. A. Petrușel: A generalization of Krasnoselskii's fixed point theorem, *Proc. Sc. Comm. Meeting of Aurel Vlaicu University* (Editor: Gh. Halic), Arad University Press, Arad, 1996, 109-112.
4. A. Petrușel: A topological property of the solutions set of lipschtzian differential inclusions, "Tiberiu Popoviciu" Seminar, (Editor E. Popoviciu), Srima Publ. House, Cluj-Napoca, 1997, 79-82.
5. A. Petrușel: The fixed points set for some multivalued operators and applications to integral inclusions, *Proc. P. A. M. M. Conference 1552/98*, Arad, Romania, May, 1998, (Editor: F. Fazekas), *Bull. Applied and Computer Math.*, LXXXVI-A(1998), 389-396.
6. A. Petrușel: Existence theorems for some nonlinear integral inclusions, *Conference on Analysis, Functional Equations, Approximation and Convexity in Honor of Prof. Dr. Elena Popoviciu* (Editor: Mircea Ivan), Srima Publ. House, Cluj-Napoca, 1999, 238-243.
7. A. Muntean, A. Petrușel: Coincidence theorems for l.s.c. multifunctions in topological vector spaces, *Proc. of the "Tiberiu Popoviciu" Itinerant Seminar* (Editor E. Popoviciu), Srima Publ. House, Cluj-Napoca, 2000, 147-151.
8. A. Petrușel: On the topological dimension of the fixed points set for some multivalued operators, *Proc. of the "Tiberiu Popoviciu" Itinerant Seminar* (Editor E. Popoviciu), Srima Publ. House, Cluj-Napoca, 2000, 173-178.
9. A. Petrușel: Coincidence theorems and applications, *Analls "Aurel Vlaicu" University Arad*, 2000, 145-156.

10. A. Petrusel, A. Sîntamarian: On Caristi-type operators, Proc. of the "Tiberiu Popoviciu" Itinerant Seminar (Editor E. Popoviciu), Srma Publ. House, Cluj-Napoca, 2001, 181-190.
11. A. Petrusel: Weakly pseudo-Picard multifunctions, Sem. Th. de la Meill. Approx., Conv. et Optim. (Editor: E. Popoviciu), Srma Publ. House, Cluj-Napoca, 2001, 93-102.
12. A. Petrusel: Fixed points and selections for multi-functions with decomposable values, Proc. of the "Tiberiu Popoviciu" Itinerant Seminar (Editor E. Popoviciu), Srma Publ. House, Cluj-Napoca, 2002, 211-221.
13. A. Petrusel: Caristi type operators and applications, Proc. of the International Conference on Applied Math., Baia-Mare- Borsa, October 2002, Sci. Bull. Nord University Baia-Mare, 18(2002), 297-302.
14. A. Petrusel: A topological property of the fixed point set, Proc. of the "BOLYAI 200" International Conference (Editor D. Andrica), Cluj University Press, Cluj-Napoca 2002, 123-130.
15. A. Petrusel: Fixed points and coincidence points for multifunctions, Conference on Analysis, Functional Equations, Approximation and Convexity in Honour of Professor Elena Popoviciu.
16. A. Petrusel: "Contributions of Tudor Zamfirescu to fixed point theory", Geometry Conference dedicated to Tudor Zamfirescu, Univ. Mulhouse, Franta, September 7-11, 2014.
17. A. Petrusel: Fixed point and coincidence point theory via multivalued weakly Picard operator technique, Second Workshop on Fixed Point Theory and Applications, Amirkabir Univ. of Technology Tehran, Iran, June 14-15, 2011.
18. A. Petrusel: Equivalent metrics in fixed point theory, University of Sfax, Tunisia, June 19-26, 2013.
19. A. Petrusel: On some open problems in fixed point theory, ANCNA, University of Bolu, Turkey, July 2-6, 2013.
20. A. Petruşel: Applications of some fixed point theorems in R^m -metric spaces, The 14th International Conference on Mathematics and its Applications - ICMA 2015, Timișoara.
21. A. Petruşel: Fixed point theory for diagonal operators, International Workshop on Applied Anal. Optim., China Medical University Taichung, Taiwan, May 25-28, 2016.
22. A. Petruşel: Coupled fixed point problems and applications, Workshop on Fixed Point theory and Its Appl. –on the occasion of Enrique Llorens'70th birthday, Univ. Valencia, December 15-16, 2017.
23. A. Petruşel: Coupled coincidence point theory, Workshop on Nonlinear Anal. Optim.-in honour of Aram Arutyunov, Univ. Porto, April 19-21, 2017.
24. A. Petrusel: An extended version of the multi-valued contraction principle, Intern. Workshop on Nonlinear and Variational Analysis, Kaohsiung Medical Univ., July 21-22, 2017.

Data:

30 decembrie 2018