

Lista de publicații – prof. dr. Petru JEBELEAN

I. Teza de doctorat

Soluții clasice și soluții generalizate pentru p -Laplacian, Universitatea București, 1995.

II. Articole în reviste de specialitate

Autori	Articol, referința bibliografică (titlu articol, revista, vol. (anul), pag _{început} - pag _{sfârșit})	Revista	Tip articol	Anul apariției
A. Chinni, B. Di Bella, P. Jebelean , C. Șerban	Periodic solutions for systems with p -relativistic operator and unbounded discontinuous nonlinearities, <i>Mediterr. J. Math.</i> 18 (22) (2021).	<i>Mediterr. J. Math.</i>	ISI	2021
P. Jebelean , C. Șerban	Fisher-Kolmogorov type perturbations of the mean curvature operator in Minkowski space, <i>Electron. J. Qual. Theory Differ. Equ.</i> 81 (2020), 1-12.	<i>Electron. J. Qual. Theory Differ. Equ.</i>	ISI	2020
P. Jebelean , J. Mawhin, C. Șerban	Multiple critical orbits to partial periodic perturbations of the p -relativistic operator, <i>Appl. Math. Lett.</i> 104 (2020), ID: 106220.	<i>Appl. Math. Lett.</i>	ISI	2020
D. Gurban, P. Jebelean , C. Șerban	Non-potential and non-radial Dirichlet systems with mean curvature operator in Minkowski space, <i>Discrete Contin. Dyn. Syst. A</i> 40 (1) (2020), 133-151.	<i>Discrete Contin. Dyn. Syst. A</i>	ISI	2020
A. Chinní, B. Di Bella, P. Jebelean , R. Precup	A four-point boundary value problem with singular ϕ -Laplacian, <i>J. Fixed Point Theory Appl.</i> 21 (2019), no. 2, Art. 66, 16 pp.	<i>J. Fixed Point Theory Appl.</i>	ISI	2019
P. Jebelean , R. Precup	Symmetric positive solutions to a singular ϕ -Laplace equation, <i>J. Lond. Math. Soc. (2)</i> 99 (2019), no. 2, 495-515.	<i>J. Lond. Math. Soc.</i>	ISI	2019
D. Gurban, P. Jebelean	Positive radial solutions for multiparameter Dirichlet systems with mean curvature operator in Minkowski space and Lane-Emden type nonlinearities, <i>J. Differential Equations</i> 266 (2019), no. 9, 5377-5396.	<i>J. Differential Equations</i>	ISI	2019

P. Jebelean , C. Şerban	Fisher-Kolmogorov type perturbations of the relativistic operator: differential vs difference, <i>Proc. Amer. Math. Soc.</i> 146 (2018), 2005-2014.	<i>Proc. Amer. Math. Soc.</i>	ISI	2018
D. Gurban, P. Jebelean	Positive radial solutions for systems with mean curvature operator in Minkowski space, <i>Rend. Istit. Mat. Univ. Trieste</i> 49 (2017), 245-264.	<i>Rend. Istit. Mat. Univ. Trieste</i>	BDI	2017
G. Bonanno, P. Jebelean , C. Şerban	Three periodic solutions for discontinuous perturbations of the vector p -Laplacian operator, <i>Proc. Roy. Soc. Edinburgh Sect. A: Mathematics</i> 147A (2017), 673-681.	<i>Proc. Roy. Soc. Edinburgh Sect. A: Mathematics</i>	ISI	2017
D. Gurban, P. Jebelean , C. Şerban	Nontrivial solutions for potential systems involving the mean curvature operator in Minkowski space, <i>Adv. Nonlinear Stud.</i> 17 (4) (2017), 769-780.	<i>Adv. Nonlinear Stud.</i>	ISI	2017
P. Jebelean , J. Mawhin, C. Şerban	A vector p -Laplacian type approach to multiple periodic solutions for the ϕ -relativistic operator, <i>Commun. Contemp. Math.</i> 19 (3) (2017), 16 pages.	<i>Commun. Contemp. Math.</i>	ISI	2017
P. Jebelean , J. Mawhin, C. Şerban	Morse theory and multiple periodic solutions of some quasilinear difference systems with periodic nonlinearities, <i>Georgian Math. J.</i> 24 (1) (2017), 103-112.	<i>Georgian Math. J.</i>	ISI	2017
P. Jebelean , J. Mawhin, C. Şerban	Multiplicity results for some quasilinear differential systems with periodic nonlinearities, <i>Minimax Theory and its Applications</i> 2 (1) (2017), 69-78.	<i>Minimax Theory and its Applications</i>	ISI	2017
G. Bonanno, P. Jebelean , C. Şerban	Superlinear discrete problems, <i>Appl. Math. Lett.</i> 52 (2016), 162-168.	<i>Appl. Math. Lett.</i>	ISI	2016
P. Jebelean , J. Mawhin, C. Şerban	Periodic solutions for discontinuous perturbations of the relativistic operator, <i>Bull. Sci. Math.</i> 140 (2016), 99-117.	<i>Bull. Sci. Math.</i>	ISI	2016
C. Bereanu, P. Jebelean , C. Şerban	Dirichlet problems with mean curvature operator in Minkowski space, <i>New Trends in Differential Equations, Control Theory and Optimization</i> , Proceedings of The 8 th Congress of Romanian Mathematicians, Editors: V. Barbu, C. Lefter and I. Vrabie, World Scientific, Singapore, 2016, 20 pages.	<i>New Trends in Differential Equations, Control Theory and Optimization</i> , Proceedings of The	BDI	2016

		8 th Congress of Romanian Mathematicians		
C. Bereanu, P. Jebelean , C. Şerban	The Dirichlet problem for discontinuous perturbations of the mean curvature operator in Minkowski space, <i>Electron. J. Qual. Theory Differ. Equ.</i> 35 (2015), 1-7.	<i>Electron. J. Qual. Theory Differ. Equ.</i>	ISI	2015
P. Jebelean , J. Mawhin, C. Şerban	Multiple periodic solutions for perturbed relativistic pendulum systems, <i>Proc. Amer. Math. Soc.</i> 143 (2015), 3029-3039.	<i>Proc. Amer. Math. Soc.</i>	ISI	2015
P. Jebelean , C. Şerban	Boundary value problems for discontinuous perturbations of singular ϕ -Laplacian operator, <i>J. Math. Anal. Appl.</i> 431 (2015), 662-681.	<i>J. Math. Anal. Appl.</i>	ISI	2015
G. Infante, P. Jebelean , F. Madjid	Infinite first order differential systems with nonlocal initial conditions, <i>Bound. Value Probl.</i> 2015, 2015:53, 10 pp.	<i>Bound. Value Probl.</i>	ISI	2015
P. Jebelean , C. Popa, C. Şerban	Numerical extremal solutions for a mixed problem with singular ϕ -Laplacian, <i>NoDEA Nonlinear Differ. Equ. Appl.</i> 21 (2014), 289-304.	<i>NoDEA Nonlinear Differ. Equ. Appl.</i>	ISI	2014
C. Bereanu, P. Jebelean , J. Mawhin	The Dirichlet problem with mean curvature operator in Minkowski space – a variational approach, <i>Adv. Nonlinear Stud.</i> 14 (2014), 479-490.	<i>Adv. Nonlinear Stud.</i>	ISI	2014
C. Bereanu, P. Jebelean , J. Mawhin	Multiple radial solutions at resonance for Neumann problems involving the mean extrinsic curvature operator, <i>Analysis and Topology in Nonlinear Differential Equations</i> , Editors: Djairo G. de Figueiredo, João Marcos do Ó, Carlos Tomei, Springer 2014, 87-102.	<i>Analysis and Topology in Nonlinear Differential Equations</i>	ISI Proceedings	2014
P. Jebelean , C. Popa	Numerical solutions to singular ϕ -Laplacian with Dirichlet boundary conditions, <i>Numer. Algor.</i> 67 (2014), 305-318.	<i>Numer. Algor.</i>	ISI	2014
C. Bereanu, P. Jebelean , C. Şerban	Periodic and Neumann problems for discrete $p(\cdot)$ -Laplacian, <i>J. Math. Anal. Appl.</i> 399 (2013), 75-87.	<i>J. Math. Anal. Appl.</i>	ISI	2013
G. Bonanno, P. Jebelean , C. Şerban	Three solutions for discrete anisotropic periodic and Neumann problems, <i>Dynam. Systems Appl.</i> 22 (2013), 183-196.	<i>Dynam. Systems Appl.</i>	ISI	2013

C. Bereanu, P. Jebelean , P. J. Torres	Multiple positive radial solutions for a Dirichlet problem involving the mean curvature operator in Minkowski space, <i>J. Funct. Anal.</i> 265 (2013), 644-659.	<i>J. Funct. Anal.</i>	ISI	2013
C. Bereanu, P. Jebelean , J. Mawhin	Radial solutions of Neumann problems involving mean extrinsic curvature and periodic nonlinearities, <i>Calc. Var. Partial Differ. Equ.</i> 46 (2013), no. 1-2, 113-122.	<i>Calc. Var. Partial Differ. Equ.</i>	ISI	2013
C. Bereanu, P. Jebelean , P. J. Torres	Positive radial solutions for Dirichlet problems with mean curvature operators in Minkowski space, <i>J. Funct. Anal.</i> 264 (2013), no. 1, 270-287.	<i>J. Funct. Anal.</i>	ISI	2013
C. Bereanu, P. Jebelean	Multiple critical points for a class of periodic lower semicontinuous functionals, <i>Discrete Contin. Dyn. Syst.</i> 33 (2013), no. 1, 47-66.	<i>Discrete Contin. Dyn. Syst.</i>	ISI	2013
C. Bereanu, P. Jebelean , C. Şerban	Ground state and mountain pass solutions for discrete $p(\cdot)$ -Laplacian, <i>Bound. Value Probl.</i> 104 (2012), 1-13.	<i>Bound. Value Probl.</i>	ISI	2012
C. Bereanu, P. Jebelean , C. Şerban	Nontrivial solutions for a class of one-parameter problems with singular ϕ -Laplacian, <i>Ann. Univ. Buchar. Math. Ser.</i> 3 (LXI) (2012), 155-162.	<i>Ann. Univ. Buchar. Math. Ser.</i>	BDI	2012
P. Jebelean , C. Şerban	Ground state periodic solutions for difference equations with discrete p -Laplacian, <i>Appl. Math. Comput.</i> 217 (23) (2011), 9820-9827.	<i>Appl. Math. Comput.</i>	ISI	2011
P. Jebelean , N. S. Papageorgiou	On noncoercive periodic systems with vector p -Laplacian, <i>Topol. Methods Nonlinear Anal.</i> 38 (2011), no. 2, 249-263.	<i>Topol. Methods Nonlinear Anal.</i>	ISI	2011
C. Bereanu, P. Jebelean , J. Mawhin	Multiple solutions for Neumann and periodic problems with singular ϕ -Laplacian, <i>J. Funct. Anal.</i> 261 (2011), no. 11, 3226-3246.	<i>J. Funct. Anal.</i>	ISI	2011
C. Bereanu, P. Jebelean , J. Mawhin	Variational methods for nonlinear perturbations of singular ϕ -Laplacians, <i>Atti Accad. Naz. Lincei Cl. Sci. Fis. Mat. Natur. Rend. Lincei (9) Mat. Appl.</i> 22 (2011), no. 1, 89-111.	<i>Atti Accad. Naz. Lincei Cl. Sci. Fis. Mat. Natur. Rend. Lincei (9) Mat. Appl.</i>	ISI	2011
P. Jebelean , R. Precup	Poincaré inequalities in reflexive cones, <i>Appl. Math. Lett.</i> 24 (2011), no. 3, 359-363.	<i>Appl. Math. Lett.</i>	ISI	2011

C. Bereanu, P. Jebelean , J. Mawhin	Periodic solutions of pendulum-like perturbations of singular and bounded ϕ -Laplacians, <i>J. Dynam. Differential Equations</i> 22 (2010), no. 3, 463-471.	<i>J. Dynam. Differential Equations</i>	ISI	2010
C. Bereanu, P. Jebelean , J. Mawhin	Radial solutions for Neumann problems with ϕ -Laplacians and pendulum-like nonlinearities, <i>Discrete Contin. Dyn. Syst. A</i> 28 (2010), 637-648.	<i>Discrete Contin. Dyn. Syst. A</i>	ISI	2010
C. Bereanu, P. Jebelean , J. Mawhin	Radial solutions for Neumann problems involving mean curvature operators in Euclidean and Minkowski spaces, <i>Math. Nachr.</i> 283 (2010), no. 3, 379-391.	<i>Math. Nachr.</i>	ISI	2010
P. Jebelean , R. Precup	Solvability of p, q -Laplacian systems with potential boundary conditions, <i>Appl. Anal.</i> 89 (2010), no. 2, 221-228.	<i>Appl. Anal.</i>	ISI	2010
C. Bereanu, P. Jebelean , J. Mawhin	Radial solutions for systems involving mean curvature operators in Euclidean and Minkowski spaces, <i>Mathematical models in engineering, biology and medicine</i> , AIP Conf. Proc., 1124, Editors: A. Cabada, E. Liz, J. J. Nieto, Amer. Inst. Phys., Melville, NY, 2009, 50-59.	<i>Mathematical models in engineering, biology and medicine</i> , AIP Conf. Proc.	ISI Proceedings	2009
C. Bereanu, P. Jebelean , J. Mawhin	Non-homogeneous boundary value problems for ordinary and partial differential equations involving singular ϕ -Laplacians, <i>Mat. Contemp.</i> 36 (2009), 51-65.	<i>Mat. Contemp.</i>	BDI	2010
C. Bereanu, P. Jebelean , J. Mawhin	Radial solutions for some nonlinear problems involving mean curvature operators in Euclidean and Minkowski spaces, <i>Proc. Amer. Math. Soc.</i> 137 (2009), no. 1, 161-169.	<i>Proc. Amer. Math. Soc.</i>	ISI	2009
P. Jebelean	Variational methods for ordinary p -Laplacian systems with potential boundary conditions, <i>Adv. Differential Equations</i> 13 (2008), no. 3-4, 273-322.	<i>Adv. Differential Equations</i>	ISI	2009
P. Jebelean , N. S. Papageorgiou	Existence of solutions for a class of nonvariational quasilinear periodic problems, <i>Set-Valued Anal.</i> 16 (2008), no. 7-8, 923-941.	<i>Set-Valued Anal.</i>	ISI	2008

P. Jebelean, D. Motreanu, V. V. Motreanu	A unified approach for a class of problems involving a pseudo-monotone operator, <i>Math. Nachr.</i> 281 (2008), no. 9, 1283-1293.	<i>Math. Nachr.</i>	ISI	2008
G. Dincă, P. Jebelean	A priori estimates for the vector p -Laplacian with potential boundary conditions, <i>Arch. Math. (Basel)</i> 90 (2008), no. 1, 60-69.	<i>Arch. Math. (Basel)</i>	ISI	2008
P. Jebelean	Infinitely many solutions for ordinary p -Laplacian systems with nonlinear boundary conditions, <i>Commun. Pure Appl. Anal.</i> 7 (2008), no. 2, 267-275.	<i>Commun. Pure Appl. Anal.</i>	ISI	2008
P. Jebelean	On the vector p -Laplacian operator with nonlinear boundary conditions, <i>Mathematical analysis and applications</i> , AIP Conf. Proc., 835, Amer. Inst. Phys., Melville, NY, 2006, 110-118.	<i>Mathematical analysis and applications</i> , AIP Conf. Proc.	ISI Proceedings	2006
P. Jebelean, Gh. Moroşanu	Ordinary p -Laplacian systems with nonlinear boundary conditions, <i>J. Math. Anal. Appl.</i> 313 (2006), no. 2, 738-753.	<i>J. Math. Anal. Appl.</i>	ISI	2006
P. Jebelean, Gh. Moroşanu	Mountain pass type solutions for discontinuous perturbations of the vector p -Laplacian, <i>Nonlinear Funct. Anal. Appl.</i> 10 (2005), no. 4, 591-611.	<i>Nonlinear Funct. Anal. Appl.</i>	ISI	2005
P. Jebelean	Existence results for a class of inequality problems with p -Laplacian, <i>Proceedings of the Seventh Franco-Romanian Conference on Applied Mathematics - Craiova 2004</i> , <i>Annals Univ. Craiova, Math. Comp. Sci. Ser.</i> 32 (2005), 26-38.	<i>Proceedings of the Seventh Franco-Romanian Conference on Applied Mathematics, Annals Univ. Craiova</i>	ISI	2005
P. Jebelean, J. Mawhin	Periodic solutions of forced dissipative p -Liénard equations with singularities, <i>Vietnam J. Math.</i> 32 (2004), Special Issue, 97-103.	<i>Vietnam J. Math.</i>	BDI	2004
P. Jebelean, V. V. Motreanu	Approximation for a class of discontinuous boundary value problems, <i>Int. J. Comput. Numer. Anal. Appl.</i> 3 (2003), no. 3, 277-296.	<i>Int. J. Comput. Numer. Anal. Appl.</i>	BDI	2003
G. Dincă, P. Jebelean, D. Motreanu	Existence results for general inequality problems with constraints, <i>Abstr. Appl. Anal.</i> 2003 (2003), no. 10, 601-619.	<i>Abstr. Appl. Anal.</i>	ISI	2003

P. Jebelean , J. Mawhin	Periodic solutions of singular nonlinear perturbations of the ordinary p -Laplacian, <i>Adv. Nonlinear Stud.</i> 2 (2002), no. 3, 299-312.	<i>Adv. Nonlinear Stud.</i>	ISI	2002
G. Dincă, P. Jebelean , D. Motreanu	Existence and approximation for a general class of differential inclusions, <i>Houston J. Math.</i> 28 (2002), no. 1, 193-215.	<i>Houston J. Math.</i>	ISI	2002
G. Dincă, P. Jebelean , J. Mawhin	Variational and topological methods for Dirichlet problems with p -Laplacian, <i>Port. Math. (N.S.)</i> 58 (2001), no. 3, 339-378.	<i>Port. Math. (N.S.)</i>	ISI	2001
G. Dincă, P. Jebelean	Some existence results for a class of nonlinear equations involving a duality mapping, <i>Nonlinear Anal.</i> 46 (2001), no. 3, 347-363.	<i>Nonlinear Anal.</i>	ISI	2001
G. Dincă, P. Jebelean	Quelques résultats d'existence pour les applications de dualité (French) [Some existence results for duality mappings], <i>C. R. Acad. Sci. Paris Sér. I Math.</i> 329 (1999), no. 2, 125-128.	<i>C. R. Acad. Sci. Paris Sér. I Math.</i>	ISI	1999
P. Jebelean	Finite-dimensional approximation and coerciveness in a problem with p -Laplacian, <i>Nonlinear Anal.</i> 33 (1998), no. 3, 253-259.	<i>Nonlinear Anal.</i>	ISI	1998
G. Dincă, P. Jebelean	Une méthode de point fixe pour le p -Laplacien (French) [A fixed point method for the p -Laplacian] <i>C. R. Acad. Sci. Paris Sér. I Math.</i> 324 (1997), no. 2, 165-168.	<i>C. R. Acad. Sci. Paris Sér. I Math.</i>	ISI	1997
P. Jebelean	Finite-dimensional approximation in a multivalued problem with p -Laplacian, <i>East-West J. Numer. Math.</i> 5 (1997), no. 2, 99-111.	<i>East-West J. Numer. Math.</i>	BDI	1997
P. Jebelean , M. Reghiș	The comparison theorem of Stokes for infinite systems of differential equations, <i>Rev. Roumaine Math. Pures Appl.</i> 41 (1996), no. 7-8, 487-496.	<i>Rev. Roumaine Math. Pures Appl.</i>	BDI	1996
G. Dincă, P. Jebelean	Radial solutions for a nonlinear problem with p -Laplacian, <i>Differential Integral Equations</i> 9 (1996), no. 5, 1139-1146.	<i>Differential Integral Equations</i>	ISI	1996
G. Dincă, P. Jebelean , J. Mawhin	A result of Ambrosetti-Rabinowitz type for p -Laplacian, <i>Qualitative problems for differential equations and control theory</i> , Editor: C. Corduneanu, World Sci. Publ., River Edge, NJ, 1995, 231-242.	<i>Qualitative problems for differential equations and control theory</i>	ISI Proceedings	1995

P. Jebelean	Remarks on approximating critical points, <i>Proceedings of the Sixth Symposium of Mathematics and its Applications</i> , Timișoara, 1995, 81-84.	<i>Proceedings of the Sixth Symposium of Mathematics and its Applications</i>		1995
P. Jebelean	How many smooth functions are singular, <i>Bul. St. Technical Univ. Timișoara - Math. Fiz. series</i> , Tom 36 (50) (1991), 38-40.	<i>Bul. St. Technical Univ. Timișoara - Math. Fiz. series</i>	BDI	1991
P. Jebelean	A method for interactive smooth free-form curves and surfaces, <i>Proceedings of ISATA</i> , vol.II, Munich, Allied Autom., Croydon, U.K., 1987, 87181, 18 pages.	<i>Proceedings of ISATA</i>	BDI	1987
P. Jebelean	An indefinite derivable function which is equal to zero only on the Cantor set, <i>G.M. Perfecționare Metodică și Metodologică în Matematică și Informatică</i> , 1986, 141-144.	<i>G.M. Perfecționare Metodică și Metodologică în Matematică și Informatică</i>	BDI	1986
P. Jebelean	Double condensation of singularities for symmetric mappings, <i>Studia Univ. Babeș-Bolyai Math.</i> 29 (1984), 47-52.	<i>Studia Univ. Babeș-Bolyai Math.</i>	BDI	1984
P. Jebelean	A note on inexhaustible locally convex vector groups, <i>Proceedings of the Itinerant Seminar on Functional Equations, Approximation and Convexity</i> , 1984, Cluj, 85-90.	<i>Proceedings of the Itinerant Seminar on Functional Equations, Approximation and Convexity</i>		1984
P. Jebelean	On the dense divergence of Lagrange interpolation in a complex domain, <i>Revue d'Analyse Numer. et la Théorie de l'Approx.</i> 12 (1) (1983), 61-64.	<i>Revue d'Analyse Numer. et la Théorie de l'Approx.</i>	BDI	1983
P. Jebelean	On the set of functions with bounded n -variation, <i>Proceedings of the Itinerant Seminar on Functional Equations, Approximation and Convexity</i> , 1982, Cluj, 157-162.	<i>Proceedings of the Itinerant Seminar on Functional Equations, Approximation and Convexity</i>		1982

III. Cărți și capitole de cărți

Autori	Referința bibliografică	Editura	Țara	Anul apariției
M. Frigon, G. Infante, P. Jebelean	<i>Fixed Point Theory and Variational Methods for Nonlinear Differential and Integral Equations</i> , Lecture Notes in Nonlinear Analysis, Vol. 16, published by Juliusz Schauder Center for Nonlinear Studies, Torun, 2017.	Juliusz Schauder Center for Nonlinear Studies	Polonia	2017
P. Jebelean	<i>Elliptic Boundary Value Problems (Probleme la limită eliptice)</i> , Editura de Vest, Timișoara, 2008 (in romanian).	Editura de Vest	România	2008
P. Jebelean	<i>Methods of Nonlinear Analysis with Applications in Boundary Value Problems with p-Laplacian (Metode de analiză neliniară cu aplicații în probleme la limită cu p-Laplacian)</i> , Editura Universității de Vest, Timișoara, 2001 (in romanian).	Editura Universității de Vest	România	2001
P. Jebelean	<i>Numerical Analysis (Analiză Numerică – teme pentru lucrări de laborator)</i> , Tipografia Universității de Vest, Timișoara, 1998 (in romanian).	Tipografia Universității de Vest	România	1998

