

## Lista publicațiilor (A. Kristály)

### 1. Cărți:

- C1. A. Kristály**, *Introducere în matematica economică și financiară*, Casa Cărții de Știință, Cluj-Napoca, 2006 (148 pg.), ISBN 973-686-965-2. (Romanian)
- C2. A. Kristály**, *Bevezetés a gazdasági és pénzügyi matematikába*, Casa Cărții de Știință, Cluj-Napoca, 2006 (148 pg.), ISBN 973-686-966-0. (Hungarian)
- C3. A. Kristály**, Cs. Varga, *An introduction to critical point theory for non-smooth functions*, Casa Cărții de Știință, Cluj-Napoca, 2004 (232 pg.), ISBN 973-686-604-1.
- C4. A. Kristály**, Cs. Varga, *Critical points*, pp. 245-326, *Lectures on Nonlinear Analysis and its Applications*, Scientia Publishing House, Cluj-Napoca, 2003, ISBN 973-7953-02-9.

### 2. Articole publicate în reviste indexate ISI:

- S1. A. Kristály**, I. Lazăr, N. S. Papageorgiou, *A variational inequality on the half line*, *Nonlinear Analysis. Theory, Methods & Applications*, Volume 71, Issue 10, 2009, 5003-5009
- S2.A. Kristály**, *Asymptotically critical problems on higher-dimensional spheres*, *Discrete and Continuous Dynamical Systems - Series A*, 23 (2009), no. 3, 919–935.
- S3.M. Filippakis, A. Kristály, N.S. Papageorgiou**, *Existence of five nonzero solutions with exact sign for a  $p$ -Laplacian equation*. *Discrete Contin. Dyn. Syst.* 24 (2009), no. 2, 405-440
- S4.A. Kristály, Cs. Varga**, *Multiple solutions for a degenerate elliptic equations involving sublinear terms at infinity*, *Journal of Mathematical Analysis and Applications*, 352 (2009), no. 1, 139-148.
- S5.A. Kristály**, N. S. Papageorgiou, *Multiplicity theorems for semilinear elliptic problems depending on a parameter*, *Proceedings of the Edinburgh Mathematical Society*, 52 (2009), no. 1, 171-180.
- S6.A. Kristály**, M. Mihăilescu, V. Rădulescu, *Two nontrivial solutions for a non-homogeneous Neumann problem: an Orlicz-Sobolev space setting*, *Proceedings of the Royal Society of Edinburgh*, 139 (2009), no. 2, 367–379.
- S7.A. Kristály**, V. Rădulescu, *Sublinear eigenvalue problems on compact Riemannian manifolds with applications in Emden-Fowler equations*. *Studia Math.* 191 (2009), no. 3, 237-246
- S8.A. Kristály**, Gh. Moroșanu, Á. Róth: *Optimal placement of a deposit between markets: a Riemann-Finsler geometrical approach*, *Journal of Optimization Theory and Applications*, 139 (2008), no. 2, 263--276.
- S9.A. Kristály**, W. Marzantowicz, *Multiplicity of symmetrically distinct sequences of solutions for a quasilinear problem in  $\mathbf{R}^N$* , *NoDEA-Nonlinear Differential Equations and applications*, 15 (2008), no. 1-2, 209–226.

- S10. A. Kristály**, *Detection of arbitrarily many solutions for perturbed elliptic problems involving oscillatory terms*, Journal of Differential Equations, 245 (2008), no. 12, 3849–3868.
- S11. A. Kristály**, H. Lisei, Cs. Varga, *Multiple solutions for  $p$ -Laplacian type equations*, Nonlinear Analysis, Theory, Methods, Applications, 68(2008), 1375-1381.
- S12. A. Kristály**, D. Motreanu, *Nonsmooth Neumann-type problems involving the  $p$ -Laplacian*, Numerical Functional Analysis and Optimization, 28 (2007), no. 11-12, 1309-1326.
- S13. A. Kristály**, *Multiple solutions of a sublinear Schrodinger equation*, NoDEA-Nonlinear Differential Equations and applications, Vol. 14, no. 3-4, 2007, 291 – 302.
- S14. A. Kristály, Gh. Morosanu, S. Tersian**, *Quasilinear elliptic problems in  $\mathbf{R}^N$  involving oscillatory nonlinearities*, J. Differential Equations, 235, no. 2 , 2007, 366 – 375.
- S15. A. Kristály, F. Faraci**, *On an open question of Ricceri concerning a Neumann problem*, Glasgow Mathematical Journal, Vol. 49, Issue 2, 2007, 189 – 195.
- S16. F. Faraci, A. Kristály**, *One-dimensional scalar field equations involving an oscillatory nonlinear term*, Discrete and Continuous Dynamical Systems - Series A, 18, no.1 (2007), 107-120.
- S17. A. Kristály**, Cs. Varga, *Multiple solutions for elliptic problems with singular and sublinear potentials*, Proceedings of the American Mathematical Society, 135 (2007), 2121-2126.
- S18. A. Kristály**, Cs. Varga, V. Varga, *A nonsmooth principle of symmetric criticality and variational-hemivariational inequalities*, Journal of Mathematical Analysis and Applications, 325(2007), no. 2, pp. 975-986.
- S19. A. Kristály**, *Infinitely many solutions for a differential inclusion problem in  $R^N$* , J. Differential Equations, 220(2006), no. 2, pp. 511-530.
- S20. A. Kristály**, L. Kozma, *Metric characterization of Berwald spaces of non-positive flag curvature*, J. Geometry and Physics, 56(2006), no. 8, pp. 1257-1270.
- S21. A. Kristály**, *Existence of nonzero weak solutions for a class of elliptic variational inclusions systems in  $R^N$* , Nonlinear Analysis, Theory, Methods, Applications, 65/8(2006), pp. 1578-1594.
- S22. A. Kristály**, *Multiplicity results for an eigenvalue problem for hemi-variational inequalities in strip-like domains*, Set-Valued Analysis, 13 (2005), pp. 85-103.
- S23. A. Kristály**, *Existence of two nontrivial solutions for a class of quasilinear elliptic variational systems on strip-like domain*, Proceedings of the Edinburgh Mathematical Society, 48(2005), pp. 465-477.
- S24. A. Kristály**, *Infinitely many radial and non-radial solutions for a class of hemivariational inequalities*, Rocky Mountain Journal of Mathematics, 35(2005), pp. 1173-1190.
- S25. A. Kristály**, Cs. Varga, *On a class of a quasilinear elliptic problem in  $R^N$* , Mathematische Nachrichten, 275(2005), pp. 1756-1765.
- S26. A. Kristály**, Cs. Varga, V. Varga, *An eigenvalue problem for hemivariational inequalities with combined nonlinearities on an infinite strip*, Nonlinear Analysis, Theory, Methods, Applications, 63(2005), pp. 260-272.
- S27. A. Kristály**, *An existence result for gradient-type systems with a non-differentiable term on unbounded strips*, Journal of Mathematical Analysis and Applications, 299(2004), pp. 186-204.
- S28. A. Kristály**, L. Kozma, Cs. Varga, *The dispersing of geodesics in Berwald spaces of non-positive flag curvature*, Houston Journal of Mathematics, 30(2)(2004), pp. 413-420.
- S29. A. Kristály**, Cs. Varga, *A set-valued approach to hemivariational inequalities*, Topological Methods in Nonlinear Analysis, 24(2)(2004), pp. 297-306.

**S30. A. Kristály, Cs. Varga, Set-valued versions of Ky Fan's inequality with application to variational inclusion theory, Journal of Mathematical Analysis and Applications, 282(2003), no. 1, pp. 8-20.**

### **3. Articole publicate în reviste internaționale**

Articole de specialitate indexate în baze de date internaționale (Zentralblatt MATH (Zbl), Mathematical Reviews (MR))

**D1. A. Kristály, V. Motreanu, Cs. Varga, A minimax principle with general Palais-Smale conditions, Communication on Applied Analysis, Vol. 9, No.2 (2005), pp. 285-299. MR2168763, Zbl pre05017140**

**D2. A. Kristály, Hemivariational inequality systems and applications, Mathematica (Cluj), 46(2)(2004), pp. 161-168. MR2102187, Zbl pre05036682**

**D3. A. Kristály, L. Kozma, Cs. Varga, Critical point theorems on Finsler manifolds, Beitrage zur Algebra und Geometrie, 45(1)(2004), pp. 47-59. MR2070632, Zbl pre02096230**

**D4. A. Kristály, Cs. Varga, Coercivity of set-valued mappings on metric space, Mathematica Pannonica, 13/2 (2003), pp. 241-248. MR1932430, Zbl 1012.58014**

**D5. A. Kristály, Cs. Varga, Cerami (C) condition and mountain pass theorem for multivalued mappings, Serdica Mathematical Journal, 28 (2002), pp. 95-108. MR1911856, Zbl 1032.58004**

**D6. A. Kristály, Cs. Varga, Location results for multivalued functionals, Acta Universitatis Carolinae, 42 (2001), pp. 59-68. MR1900392, Zbl 1031.49007**

**D7. A. Kristály, Cs. Varga, Coerciveness property for a class of set-valued mappings, Nonlinear Analysis Forum 6(2) (2001), pp. 353-362. MR1891720, Zbl 1005.58008**

**D8. A. Kristály, Cs. Varga, A note on minmax results for continuous functionals, Studia Univ. „Babeş-Bolyai”, Mathematica, XLIII(1998), no. 3, pp. 35-55. MR1854539, Zbl 1010.49003**

### **4. Articole publicate în volume ale unor conferințe internaționale cu referenți**

**Vi1. L. Kozma, A. Kristály, Cs. Varga, Isometry-invariant geodesics with Lipschitz obstacle, Differential Geometry and its Applications, Proc. Conf. Opava (Czech Republic), August 27-31, 2001, Silesian University, Opava, 2001, pp. 203-214. MR1978777, Zbl 1038.58008**

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