List of publications (A. Kristály)

1. Books:

1. **A. Kristály,** *Introducere în matematica economică şi financiară,* Casa Cărţii de Ştiinţă, Cluj-Napoca, 2006 (148 pg.), ISBN 973-686-965-2. (Romanian)
2. **A. Kristály,** *Bevezetés a gazdasági és pénzügyi matematikába,* Casa Cărţii de Ştiinţă, Cluj-Napoca, 2006 (148 pg.), ISBN 973-686-966-0. (Hungarian)
3. **A. Kristály**, Cs. Varga, *An introduction to critical point theory for non-smooth functions,* Casa Cărţii de Ştiinţă, Cluj-Napoca, 2004 (232 pg.), ISBN 973-686-604-1.
4. **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. Papers in I.S.I. journals (S1, S2 etc.), in reviewed journals (D1, D2, etc.), in conference publications (Vi1, Vi2 etc.)

2.1 Papers in I.S.I. journals (S1, S2 etc.):

1. **A. Kristály,** *Asymptotically critical problems on higher-dimensional spheres*, Discrete and Continuous Dynamical Systems - Series A, 23 (2009), no. 3, 919—935.
2. 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
3. **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.
4. **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.
5. **A. Kristály,** M. Mihailescu, V. Radulescu**,** *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.
6. **A. Kristály,** V. Rădulescu, *Sublinear eigenvalue problems on compact Riem*annian manifolds with applications in Emden-Fowler equations. *Studia Math.* 191 (2009), no. 3, 237--246
7. **A. Kristály**, Gh. Moroşanu, 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.
8. **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.
9. **A. Kristály,** *Detection of arbitrarily many solutions for perturbed elliptic problems involving oscillatory terms*, Journal of Differential Equations, 245 (2008), no. 12, 3849—3868.

10. **A. Kristály**, H. Lisei, Cs. Varga, *Multiple solutions for p-Laplacian type equations,* Nonlinear Analysis, Theory, Methods, Applications, 68(2008), 1375-1381.
11. **A. Kristály,** D. Motreanu, *Nonsmooth Neumann-type problems involving the p-Laplacian,* Numerical Functional Analysis and Optimization, 28 (2007), no. 11-12, 1309-1326.
12. **A. Kristály**, *Multiple solutions of a sublinear Schrodinger equation*, NoDEA-Nonlinear Differential Equations and applications, Vol. 14, no. 3-4, 2007, 291 – 302.
13. **S4. 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.
14. **A. Kristály, F. Faraci**, *On an open question of Ricceri concerning a Neumann problem,* Glasgow Mathematical Journal, Vol. 49, Issue 2, 2007, 189 – 195.
15. 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.
16. **A. Kristály,** Cs. Varga, *Multiple solutions for elliptic problems with singular and sublinear potentials,* Proceedings of the American Mathematical Society, 135 (2007), 2121-2126.
17. **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.
18. **A. Kristály,** *Infinitely many solutions for a differential inclusion problem in R^N*, J. Differential Equations, 220(2006), no. 2, pp. 511-530.
19. **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.
20. **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.
21. **A. Kristály**, *Multiplicity results for an eigenvalue problem for hemi-variational inequalities in strip-like domains*, Set-Valued Analysis, 13 (2005), pp. 85-103.
22. **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.
23. **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.
24. **A. Kristály**, Cs. Varga, *On a class of a quasilinear elliptic problem in R^N*, Mathematische Nachrichten, 275(2005), pp. 1756-1765.
25. **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.
26. **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.
27. **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.
28. **A. Kristály**, Cs. Varga, *A set-valued approach to hemivariational inequalities*, Topological Methods in Nonlinear Analysis, 24(2)(2004), pp. 297-306.
29. **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.

2.2 Papers in reviewed journals (D1, D2 etc.) (Mathematical Reviews (MR), Zentralblatt Math (Zbl))

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 mapings 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**

2.3 Papers in conference publications (Vi1, Vi2 etc.)

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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