

1. Informatii personale

Prenume, nume de familie: Alexandru KRISTÁLY

Data si locul nasterii: 22 martie 1975, Bălan, Romania

Pozitie academica ocupata in prezent: Conferentiar universitar, Universitatea Babes-Bolyai, FSEGA, Cluj-Napoca.

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2. Educatie

- 1998-2003 Facultatea de Matematica, Universitatea Babes-Bolyai, Cluj-Napoca, Romania.
Conducatorul tezei de doctorat: Wolfgang W. Breckner.
- 1997-1998 Facultatea de Matematica, Universitatea Babes-Bolyai, Cluj-Napoca, Romania.
Studii aprofundate (1998). Conducatorul tezei de master: Csaba Varga.
- 1993-1997 Facultatea de Matematica, Universitatea Babes-Bolyai, Cluj-Napoca, Romania.
Licentiat in Matematica (1997). Conducatorul tezei de licenta: Csaba Varga.
- 1989-1993 Liceul Teoretic 'Márton Áron', Miercurea-Ciuc, Romania.

3. Experienta profesionala

- 2007- prezent: Conferentiar universitar, Universitatea Babes-Bolyai, Cluj-Napoca.
- 2004 - 2007: Lector universitar, Universitatea Babes-Bolyai, Cluj-Napoca.
- 2001 - 2004: Asistent universitar, Universitatea Babes-Bolyai, Cluj-Napoca.

4. Zece publicatii selectate

1. **Kristály A**, Rădulescu V, Varga Cs, Variational Principles in Mathematical Physics, Geometry, and Economics, Encyclopedia of Mathematics and its Applications, No. 136, *Cambridge University Press*, Cambridge, UK. ISBN-10: 0521117828.
2. **Kristály A**, Location of Nash equilibria: a Riemannian geometrical approach, *Proc. Amer. Math. Soc.* 138:(5) 1803-1810 (2010).
3. **Kristály A**, On a new class of elliptic systems with nonlinearities of arbitrary growth, *J. Differential Equations*, 249:(8) 1917–1928 (2010).
4. **Kristály A**, Morosanu Gh, New competition phenomena in Dirichlet problems, *J. Math. Pures Appl.* 94:(6) 555-570 (2010).
5. **Kristály A**, Asymptotically critical problems on higher-dimensional spheres, *Discrete Cont. Dyn. Systems* 23: (3) 919-935 (2009).
6. **Kristály A**, Morosanu G, Roth A, Optimal placement of a deposit between markets: Riemann-Finsler geometrical approach, *J. Optim. Theory Appl.* 139: (2) 263-276 (2008).
7. **Kristály A**, Detection of arbitrarily many solutions for perturbed elliptic problems involving oscillatory terms, *J. Differential Equations* 245: (12) 3849-3868 (2008).
8. Kozma L, **Kristály A**, Metric characterization of Berwald spaces of non-positive flag curvature, *J. Geometry Physics* 56: 1257-1270 (2006).
9. **Kristály A**, Infinitely many solutions for a differential inclusion problem in \mathbb{R}^N , *J. Differential Equations* 220: (2) 511-530 (2006).
10. **Kristály A**, Varga Cs, Multiple solutions for elliptic problems with singular and sublinear potentials, *P. Amer. Math. Soc.* 135: (7) 2121-2126 (2007).

5. Domenii științifice de interes

Calculul variațiilor, teoria punctului critic, geometria Riemann-Finsler.

6. Burse și proiecte (lista selectiva)

1. Profesor invitat, IHES (Institut des Hautes Etudes Scientifiques), Paris (2011).
2. Profesor invitat, INDAM (Istituto Nazionale di Alta Matematica), Universitatea din Catania, Catania, Italia (2011, 2009, 2005).
3. Bursa J. Bolyai, Academia de Știință Maghiară, Budapesta, Ungaria, 2009-prezent.
4. Grant CNCSIS, PN II IDEI (director de proiect), Aplicarea unor metode variaționale recente la studiul ecuațiilor eliptice neliniare și al problemelor de optimizare, 2007-2010.
5. Junior Research Fellowship, Central European University, Special and Extension Programs, Budapesta, Ungaria (2005, 2006).
6. Young Researcher, Geometrical Analysis, EU Research Training Network PRN-CT-999-00118/2000-2004, Institute of Mathematics of the Polish Academy of Sciences, Varsovia, Polonia (2003, 2004).