

Curriculum Vitae 2016

I. Personal data:

a. Name: Csaba Gyorgy Varga

II. Academic degrees:

1) (1983) - B.Sc.

- Babes-Bolyai University, Faculty of Mathematics - Cluj-Napoca, Romania

- Title of the B.Sc. thesis: *Principles of Condensation Singularities.*

Adviser: Prof. Dr. József Kolumbán.

2) (1996, April 17) - Ph.D.

- Babes-Bolyai University, Faculty of Mathematics - Cluj-Napoca, Romania

- Title of the thesis: *Topological Methods in Optimizations*

Adviser: Prof. Dr. József Kolumbán

III. University education:

1) September 1979 - July 1983

- Babes-Bolyai University, Faculty of Mathematics - Cluj-Napoca, Romania

2) October 1990 - April 1996 (Doctorate)

- Babes-Bolyai University, Faculty of Mathematics - Cluj-Napoca, Romania

IV. Professional background:

1) September 1983 - September 1990

- teacher of Mathematics - Secondary School Bistrita No. 2., Bistrita-Nasaud County, Romania.

2) October 1990 - September 1992

- teaching assistant - "Babes-Bolyai" University Cluj-Napoca, Faculty of Mathematics and Computer Science.

3) October 1992 - September 1998

- assistant professor - "Babes-Bolyai" University Cluj-Napoca, Faculty of Mathematics and Computer Science.

4) October 1998 - March 2005

- associate professor - "Babes-Bolyai" University Cluj-Napoca, Faculty of Mathematics and Computer Science.

5) from March 2005 - professor - "Babes-Bolyai" University Cluj-Napoca, Faculty of Mathematics and Computer Science.

V. Membership:

- Romanian Mathematical Society.

VI. PhD Students:

- Mezei Ildikó Ilona, Nonlinear Methods in the study of hemivariational inequalities and elliptic problems, University of Babes-Bolyai, 2008.
- Molnár Andrea Éva, Variational principles with applications, University of Babes-Bolyai, 2013.
- Farkas Csaba, Symmetrization methods in the study of sublinear elliptic problem, University of Babes-Bolyai, 2014.

VII. PRIZES

- Scientific excellence diploma of the Babes-Bolyai University, awarded by the Babes-Bolyai University in 2004 for scientific publications and research funding.
- Merit diploma, awarded as a prize of the Babes-Bolyai University in 2005 for the book "Topological methods in calculus of variations".
- Merit diploma of the Babes-Bolyai University, awarded in 2007 as recognition for my contributions to the development of Babes-Bolyai University.
- Prize "Professor of the year 2009", awarded by the Babes-Bolyai University.
- Scientific excellence diploma of the Babes-Bolyai University, awarded by the Babes-Bolyai University in 2011 for scientific publications.
- Scientific excellence diploma of the Babes-Bolyai University, awarded by the Babes-Bolyai University in 2013 for scientific publications.
- Scientific excellence diploma of the Babes-Bolyai University, awarded by the Babes-Bolyai University in 2014 for scientific publications.

VIII. ADMINISTRATIVE POSITIONS

SEPTEMBER 1996 – SEPTEMBER 1998 : *VICE-DEAN* – BABES-BOLYAI UNIVERSITY, FACULTY OF MATHEMATICS AND COMPUTER SCIENCE.

IX. DIDACTIC ACTIVITIES:

- *Analytic geometry*

- *Curves and surfaces*
- *Affine geometry*
- *Calculus on manifolds*
- *Riemannian geometry*
- *Non-Euclidian geometry*
- *Fundaments of geometry*
- *Projective geometry*
- *Homotopy theory*
- *Homology and Cohomology*
- *Characteristic classes*
- *Computer graphics*
- *Critical points theory*
- *Algorithmic geometry*
- *Geometric constructions*
- *Morse theory and applications in PDE*

IX. EDITORIAL ACTIVITY

- Editor of the journal *Studia Mathematica*
- in the Editorial Board of the journal "Mathematica" (Cluj-Napoca)
- in the Editorial Board of the journal "Abstract and Applied Analysis"-ISI
- reviewer for the journal "Journal of Mathematical Analysis and Applications"
- reviewer for the journal "Journal of Global Optimization"
- reviewer for the journal "Studia Universitatis Babes-Bolyai", seria Mathematica.
- reviewer for the journal "Nonlinear Analysis TMA"
- reviewer for the journal "Communication on Pure and Applied Analysis"
- reviewer for the journal "Mathematical and Computer Modelling"
- reviewer for the journal „Publicationes Mathematica Debrecen"
- reviewer for the journal „Journal of Convex Analysis"
- reviewer for the journal „Boundary Value Problems"
- reviewer for the journal „Complex Variable"
- reviewer for the journal „Nonlinear Analysis Real and Words"
- reviewer for the journal „Applied Mathematics and Computations"
- reviewer for the journal "Journal of Optimization Theory and Applications"
- reviewer for the journal "Fixed Point Theory and Applications"
- reviewer for the journal "Electronic Journal of Differential Equations"
- reviewer for the journal "Journal of Fixed Points Theory"
- reviewer for the journal "Mathematische Nachrichten"
- reviewer for the journal "Annalele Polonici"

X. RESEARCH INTEREST:

- Riemann-Finsler geometry
- Critical points and Morse theory
- Heemivariational inequalities and differential inclusions
- Partial differential equations

XI. Preprints:

1. Roberta Filippucci, Patrizia Pucci and Csaba Varga, Nonexistence and existence results for Finsler--Laplace equations with--singular weight.

XII. PAPERS IN ISI JOURNALS

1. R. Precup, P. Pucci, Cs. Varga, A three critical points result in a bounded domain of a Banach space and applications accepted paper in *Differential and Integral Equations*, 2016
- 2.
3. R. Precup, Cs. Varga, Localization of positive critical points in Banach space and applications, accepted paper in *Topological Methods in Nonlinear Analysis*, 2016
4. Nicusor Costea, Mihaly Csirik, Csaba Varga, Linking-type results in nonsmooth critical point theory and applications, *Set-Valued and Variational Analysis*, DOI 10.1007/s11228-016-0383-6, 2016.
5. H. Lisei, R. Precup, Cs. Varga, A Schecter type critical point result in annular conical domains of a Banach space and applications, *Discrete Contin. Dyn. Syst.* 36 (2016), no. 7, 3775–3789.
6. H. Lisei, Cs. Varga, A multiplicity result for a class of elliptic problems on a compact Riemannian manifold, *J. Optim. Theory Appl.* 167 (2015), no. 3, 912–927.
7. Brigitte Breckner, Csaba Varga, "Multiple solutions of Dirichlet problems on the Sierpinski gasket, *J. Optim. Theory Appl.* 167 (2015), no. 3, 842–861.
8. A. Baricz, S. Ponnusamy, Cs. Varga, Julia's lemma on hyperbolic disk, *Annales Academia Scientiarum Fennica Mathematica* Volumen 40, 2015, 939–948

9. Roberta Filippucci, Patrizia Pucci and Csaba Varga, Symmetry and multiple solutions for certain quasilinear elliptic equations, *Advances of Differential Equations*, Volume 20, Number 7/8 (2015), 601-634.
10. Cs. Farkas, A. Kristály, Cs. Varga, Singular Poisson Equation on Finsler-Hadamard Manifolds, *Calculus of Variations and Partial Differential Equations: Volume 54*, Issue 2 (2015), Page 1219-1241.
11. Nicusor Costea, Mihály Csirik, Csaba Varga, Weak solvability via bipotential method for contact models with nonmonotone boundary conditions, *Z. Angew. Math. Phys.* 66 (2015), 2787–2806.
12. Mihai Mihailescu, Denisa Stancu-Dumitru, Csaba Varga, Multiplicity of solutions for a nonlinear degenerate problem in Orlicz-Sobolev space, *Nonlinear Differ. Equ. Appl.* 22 (2015), 1067–1087.
13. Brigitte Breckner, Csaba Varga, A note on gradient-type systems on fractals, *Nonlinear Analysis Series B: Real World Applications*, 21, (2015), Pages 142–152.
14. Csaba Farkas, Csaba Varga, Multiple symmetric invariant solutions for a class of quasilinear elliptic variational system, *Applied Mathematics and Computation* (2014), pp. 347-355.
15. Kanishka Perera, Patrizia Pucci, Csaba Varga, An existence result for a class of quasilinear elliptic eigenvalue problems in unbounded domains, *NoDEA Nonlinear Differential Equations Appl.* 21 (2014), no. 3, 441–451.
16. G. Autuori, P. Pucci and Cs. Varga, *Existence theorems for quasilinear elliptic eigenvalue problems in unbounded domains*, *Advances in Differential Equations*, Volume 18, Number 1/2 (2013), 1-48.
17. Nicusor Costea, Csaba Varga, *Systems of nonlinear hemivariational inequalities and applications*, *Topological Methods in Nonlinear Analysis*, Volume 41, No. 1, 2013, 39–65.
18. Nicusor Costea, Csaba Varga, *Multiple critical points for non-differentiable parametrized functionals and applications to differential inclusion*, *Journal of Global Optim.*, (2013) 56:399–416
19. Brigitte Breckner, Csaba Varga, *One-parameter Dirichlet problems on the Sierpinski Gaskets*, *Applied Mathematics and Computation*, 219 (2012) 1813–1820.
20. F. Colasuonno, P. Pucci and Cs. Varga, *Multiple solutions for an eigenvalue problem involving p -Laplacian type operators*, *Nonlinear Analysis TMA*, 75(2012), No. 12, 4496-4512.

21. Mihai Mihailescu, Csaba Varga, *Multiplicity results for some elliptic problems with nonlinear boundary conditions involving variable exponents*, Computers and Mathematics with Applications, 62 (2011) 3464–3471.
22. Brigitte E. Breckner, Vicentiu Rădulescu, Csaba Varga, *Infinitely many solutions for the Dirichlet problem on the Sierpinski gasket*, Analysis and Applications, Vol. 9, No. 3 (2011) 235–248.
23. Dušan Repovš, Csaba Varga, *A Nash type solution for hemivariational inequality systems*, Nonlinear Analysis TMA, 74 (2011) 5585–5590.
24. Brigitte Breckner, Csaba Varga, *Infinitely many solutions for a class of systems of differential inclusions*, Proceedings of the Edinburgh Mathematical Society (2011) 54, 9–23.
25. Hannelore Lisei, Andrea Éva Molnár, Csaba Varga, *On a class of inequality problems with lack of compactness*, Journal of Mathematical Analysis and Applications Volume 378, Issue 2, 15 June 2011, Pages 741-748.
26. Hannelore Lisei, Csaba Varga, *Multiple Solutions for Gradient Elliptic Systems with Nonsmooth Boundary Conditions*, Mediterr. J. Math. 8 (2011), 69–79.
27. F. Faraci, A. Iannizzotto, Cs. Varga, *Infinitely many bounded solutions for the p -Laplacian with nonlinear boundary condition*, Monatshefte für Mathematik, Volume 163, Number 1(2011), 25-38.
28. Monica Bota, Andrea Eva Molnar, Csaba Varga, *On Ekeland's variational principle in b -metric spaces*, Fixed Point Theory, 12(2011), No.2, 21-28.
29. Brigitte E. Breckner, Dusan Repovs, Csaba Varga, *On the existence of three solutions for the Dirichlet problem on the Sierpinski gasket*, Nonlinear Analysis TMA, 73(2010), 2980-2990.
30. Alexandru Kristály, Nikolaos S. Papageorgiu, Csaba Varga, *Multiple solutions for a class of Neumann elliptic problems on compact Riemannian manifolds*, Canadian Mathematical Bulletin 53(2010), 674-683
31. Alexandru Kristály, Waclaw Marzantowicz, Csaba Varga, *A non-smooth three critical points theorem with applications in differential inclusions*, Journal of Global Optimization, Vol. 46, Issue 1 (2010),49-62.
32. Hannelore Lisei, Csaba Varga, *Multiple solutions for a differential inclusion problem with nonhomogeneous boundary condition*, Numerical Functional Analysis and Optimization, 30(5-6)(2009), 566-581.
33. Alexandru Kristaly, Csaba Varga, *Multiple solutions for a degenerate elliptic equation involving sublinear terms at infinity*, Journal of Math. Analysis and Appl. 352 (2009), 139-148.
34. Brigitte E. Breckner, Alexandru Horváth, Csaba Varga, *A multiplicity result for a special class of gradient- type systems with non-differenriable term*, Nonlinear Analysis TMA, 70 (2009) 606-6020.

35. Hannelore Lisei, Gheorghe Morosanu, Csaba Varga, *Multiplicity Results for Double Eigenvalue Problems Involving the p -Laplacian*, Taiwanese Journal of Mathematics, **13**. No.3(2009), 1095-1110.
36. Ildiko Mezei, Csaba Varga, *Multiplicity result for a double eigenvalue quasilinear problem on unbounded domain*, Nonlinear Analysis TMA, **69**(2008), 4099-4105.
37. Hannelore Lisei, Alexandru Horváth, Csaba Varga, *Multiplicity results for a class of quasilinear eigenvalue problems on unbounded domain*, Archiv der Mathematik., Vol. **90**., No.3. (2008), pp 256-266.
38. Brigitte E. Breckner, Csaba Varga, *A multiplicity result for gradient type systems with non-differentiable term*, Acta Mathematica Hungarica, **118** (2008), pp. 85-104.
39. Alexandru Kristaly, Hannelore Lisei, Csaba Varga, *Multiple solutions for p -Laplacian type Equations.*, Nonlinear Anal. TMA, **68** (2008), pp.1375-1381.
40. Francesca Faraci, Antonio Iannizzotto, Pál Kupán, Csaba Varga, *Existence and Multiplicity Results for Hemivariational Inequalities with two Parameters*, Nonlinear Anal. TMA, **67**(2007), No. 9, pp. 2654-2669.
41. Alexandru Kristaly, Csaba Varga, *Multiple solutions for elliptic problems with singular and sublinear potential*, Proc. AMS, **135**(2007),pp. 2121-2126.
42. Francesca Faraci, Antonio Iannizzotto, Hannelore Lisei, Csaba Varga, *A multiplicity result for hemivariational inequalities*, Journal of Math. Anal. And Appl. **330**(2007). No.1., pp. 683-698.
43. Alexandru Kristaly, Csaba Varga, Viorica Varga, *A nonsmooth principle of symmetric criticality and variational-hemivariational inequalities*, Journal of Math. Anal. And Appl. **325** (2007), No. 2., pp. 975- 986.
44. Hannelore Lisei, Csaba Varga, *Some applications to variational-hemivariational inequalities of the principle of symmetric criticality for Motreanu- Panagiotopoulos type functionals*, Journal of Global Optimization, **36** (2006), pp. 283-305.
45. Alexandru Kristály, Csaba Varga, *On a class of quasilinear eigenvalue problems in R^N* , Math. Nachr, **278**, No. 15, (2005), pp. 1-10.
46. Alexandru Kristály, Csaba Varga and Viorica Varga, *An eigenvalue problem for hemivariational inequalities with combined nonlinearities on an infinite strip*, Nonlinear Analysis, Volume **63**, Issue 2, (2005), pp. 260-272.
47. Csaba Varga, *Existence and infinitely many solutions for an abstract class of hemivariational inequality*, Journal of Inequalities and Applications, Vol **.8** (2005), pp. 1-16.
48. Alexandru Kristály, L. Kozma, Csaba Varga, *The dispersing of geodesics on Berwald space of negative flag curvature*, Houston Journal of Math., **30** (2), 2004, pp. 413-420.
49. Alexandru Kristály, Csaba Varga, *A Set-Valued Approach to Hemivariational Inequalities*, Topological Meth. in Nonl. Analysis, Vol.24, 2004, pp. 297-307.

50. Alexandru Kristály, Csaba Varga, *Set-valued version of Ky Fan's inequality with application to variational inclusion theory*, Journ of Math. Anal. and its Applications, **282**, 2003, pp. 8-20.
51. M. Crainic, Csaba Varga, *A note on the denseness of complete invariant metrics*, Public. Math. Tom. **51**. 3-4, 1997, pp. 265-271.
52. Csaba Varga, *An application of the transversality theorem*, Publ. Mathematicae, Tom. **46**. 1-2, 1995, pp. 121-124.

XIII. PAPERS IN INTERNATIONAL JOURNALS

1. Alexandru Kristály, D. O' Regan, Cs. Varga, *Parametrized nonlinear equations on Dirichlet forms*, Comm. Appl. Analysis, **13** (2009), no. 3, pp. 317-326
2. Alexandru Kristály, V. Motreanu, Cs. Varga, *A minimax principle with general Palais-Smale conditions*, Comm. Appl. Analysis, Vol **9**, No.2 (2005), pp. 285-299.
3. L. Kozma, Alexandru Kristály, Cs. Varga, *Critical point theorems of Finsler manifolds*, Beitragen fur Algebra und Geometrie, Vol. **45**, No.1, 2004, pp. 47-59.
4. Zs. Dályai, Cs. Varga, *An existence result for hemivariational inequalities*, Electronic Journal of Differential Equations, 2004, No. **37**, pp. 1-17.
5. Alexandru Kristály, Cs. Varga, *Coercivity of set-valued mappings on metric space*, Mathematica Pannonica, **13/2** (2003), pp. 241-248.
6. Alexandru Kristály, Cs. Varga, *(C) condition and mountain pass theorem for multivalued mappings*, Serdica Math. Journal, **28** (2002), pp. 98-108.
7. L. Kozma, R. Peter, Cs. Varga, *Warped product on Finsler manifolds*, Annales Univ. Sci. Budapest, **44**, 2001, pp. 157-170.
8. Alexandru Kristály, Cs. Varga, *Location results for multivalued functionals*, Acta Universitatis Carolinae, **42.2**, 2001, pp. 59-68.
9. Alexandru Kristály, Cs. Varga, *Coerciveness Property for a Class of Set-Valued Mappings*, Nonlinear Analysis Forum **6**(2), 2001, pp. 353-362.
10. D. Motreanu, Cs. Varga, *A nonsmooth equivariant minimax principl.*, Communications in Applied Analysis, **3.1**, 1999, pp. 115-130.
11. W. Breckner, T. Trif, Cs. Varga, *Some applications of the condensation of the singularities of families of nonnegative functions*. Analysis Mathematica, **25**, 1999, pp. 15-32.
12. D. Motreanu, Cs. Varga, *Some critical point results for locally Lipschitz functionals*, Comm. on Appl. Nonlinear Anal. **4.**, 1997, pp. 17-33.

XIV. PAPERS IN PROCEEDINGS OF INTERNATIONAL CONFERENCES

1. Francesca Faraci, Antonio Iannizzotto, Csaba Varga, *Multiplicity results for constrained Neumann problems*, Contemporary Mathematics, 2013

2. L. Kozma, R. Peter, Cs. Varga, *Double warped product on Finsler manifold*, Memorial Volume Gr. Tsagas in Radu Miron (Ed), Handbooks, Treatises, Monographs: Lagrange and Hamilton Spaces, pg. 45-53, 2004, Fair Partners Publishers, Bucharest.
3. L. Kozma, Alexandru 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.
4. W. Breckner, T. Trif, Cs. Varga, *Some applications of the condensation of the singularities of families of nonnegative functions (II)*, Proc. Int. Conf. Appr. and Optim-ICAOR, Cluj-Napoca, 1. 1996, pp. 193-202.
5. V. Varga, Cs. Varga, *A note on the Palais-Smale Condition for non-differentiable functionals*, Proc. of 23rd Conference on Geometry and Topology, 1993, pp. 209-214.
6. H. Lisei, Cs. Varga, *Multiple Solutions for Nonlinear Equations Involving Dirichlet Forms*. Topics in Mathematics, Computer Science and Philosophy. St. Cobzas (Ed.), Presa Universitara Clujeana, Cluj-Napoca, ISBN: 978-973-610-672-9, p. 135-145 (2008).

XV. PAPERS IN ROMANIAN JOURNALS

1. Brigitte Breckner, Csaba Varga, *A note on elliptic problems on the Sierpinski gasket*, Studia Univ. "Babes-Bolyai", Mathematica, Vol, LX, (2014), No.4, pp.469-477.
2. Alexandru Kristály, Csaba Varga, *Variational-hemivariational inequalities on unbounded domains*, Studia Univ. "Babes-Bolyai", Mathematica, Vol, LV, (2010), No.2, pp.3- 87.
3. Csaba Varga, Pál Kupán, István Székely, *Multiple solutions for a class of parametrized elliptic problems with singular and sublinear potentials*, Analele Universitatii de Vest, Timisoara, Seria Matematica-Informatica, XLV, 2 (2007), 231-242.
4. Cs. Varga, H. Csapó, *Contingent Nash points for set-valued maps*, Fixed Point Theory, Vol.6, No.1 (2005), pp.139-148.
5. E. Buzogany, I. Mezei, Cs. Varga, *A special hemivariational inequalities*, Mathematica, Tome 45(68), No.2, 2003, pp.115-120.
6. Alexandru Kristály, Cs. Varga, *A note on minmax results for continuous functionals*, Studia Univ. "Babes-Bolyai", Math, 43, 3, 1998, pp. 35-55.
7. P. Curt, Cs. Varga, *Jack, Miller and Mocanu Lemma for Holomorphic mappings in C^N* , Studii si Cercetări Matematica, Tome 49, 1-2, 1997, pp. 39-45.
8. Cornel Pinteá, Cs. Varga, *A note on homology and homotopy groups of fiber spaces*, Mathematica, Tome. 39(62). 1. 1997, pp. 95-101.
9. G. Farkas, Cs. Varga, *A multiplicity theorem in equivariant case*, Mathematica, Tome 38(61). 1-2. 1996, pp. 221-226.
10. V. Varga, Cs. Varga, *A note on linking problems in equivariant case*. Studia Univ. "Babes-Bolyai", Mathematica, 41. 4, 1996, pp. 113-119.

11. P. Curt, Cs. Varga, *Jack, Miller and Mocanu Lemma for Holomorphic Mappings defined domains with differentiable boundary of class C^2* , Studia Univ. "Babeş-Bolyai", Mathematica, **40**. 2, 1995, pp. 41–52.
12. G. Farkas, Cs. Varga, *Ljusternik-Schnirelmann theory on closed subsets of C^1 -manifold*, Studia Univ., "Babeş-Bolyai", Mathematica, **38**. 2, 1993.,pp.
13. G. Farkas, Cs. Varga, *On completeness of metrics space*. Studia Univ., Mathematica, **37**. 4, 1992, pp. 95–102.
14. Cs. Varga, *A note of the relative category in Hurcwitz fibration.*, Research Seminars, Seminar on Geometry, Preprint **1**, 1992, pp. 197–202.
15. Cs. Varga, *Extensions of function to proper functions*, Research Seminars, Seminar on Geometry, Preprint **2**, 1991, pp. 93–96.
16. Cs. Varga, *A global existence theorem for hyperbolic differential equations*, Seminar on fixed point theory, Preprint **3**, 1991, pp. 47–53.

XVI. BOOKS and CHAPTER BOOK

1. BRIGITTE BRECKNER, CSABA VARGA, ELLIPTIC PROBLEMS ON THE SIERPINSKI GASKET, TOPICS IN MATHEMATICAL ANALYSIS AND APPLICATIONS,(2014), PAGES 119-173, SPRINGER,
Themistocles M. Rassias, László Tóth, ISBN: 978-3-319-06553-3..
2. Alexandru Kristály, Vicentiu Radulescu and Csaba Varga, *Variational Principles in Mathematical Physics, Geometry, and Economics*,
Cambridge University Press, Cambridge, (2010) , ISBN-13: 9780521117821. 400pp
3. Csaba Varga, *Metode topologice in calcul variational*, Casa Cartii de Stiinta, Cluj-Napoca, 2005, p.250., ISBN 973-686-702-1.
4. Alexandru Kristály, Csaba Varga, *An introduction to critical point theory for non-smooth functions*, Casa Cartii de Stiinta, Cluj-Napoca, p. 232, ISBN 973-686-604-1.
5. Alexandru Kristály, Csaba Varga, *Critical points*, pp. 245-326, Lectures on Nonlinear Analysis and its Applications, Scientia Publishing House, Cluj-Napoca, 2003., ISBN 937-7953-02-9.

XVII. TEXTBOOKS

1. Ildiko Ilona Mezei, Csaba Varga, *Analitikus mértan*, Egyetemi Könyvkiado(2010).
2. Ildiko Ilona Mezei, Csaba Varga, *Gorbek es feluletek elmelete*, Abel Kado, (2011), p. 180, ISBN 978-973-114-139-8.
3. Dorin Andrica., Csaba Varga, Danilel Văcăreţu, *Teme de geometrie*, Ed. Promedia-Plus (1997) p.238., ISBN 973-9275-07-9.

4. Dorin Andrica, Csaba Varga, Daniel Văcărețu, *Teme alese de geometrie, Ed. Plus* (2002) p.230., ISBN 937-85265-8-2

XVIII. EDITED BOOK

- I. MEZEI ILDIKO ILONA, NAGY GABOR PETER, VARGA CSABA: *SCHLESINGER LAJOS, A TÉR ABSOLUTE IGAZ TUDOMÁNYA JUBILEUMI ELŐADÁS BOLYAI JÁNOS SZÜLETÉSÉNEK 100-DIK ÉVFORDULÓJA ALKALMÁBÓL, ÁBEL* KIADÓ,(2012), p. 179, ISBN 978-973-114-158-9,

XIX. RESEARCH: MEMBER IN GRANTS:

- “Geometric Analysis” Training Network, Contract No. HPRN -CT- 1999- 00118, 2000-2004 (EU Council)
- Grant CNCSIS Nr. 951, 1996. (Romanian Research Council)
- Grant CNCSIS Nr. 311, 1997. (Romanian Research Council)
- Grant CNCSIS, Nr. 179, 1998-2000. (Romanian Research Council)
- Grant CNCSIS, Nr. 179, 2001. (Romanian Research Council)
- Grant CNCSIS, PNII_IDEI_, 2007-2100. (Romanian Research Council)
- Exploratory Research Project PN II ID PCE 2008 nr. 501, ID 2162, 2009-2011. (Romanian Research Council)
- Differential systems: CNCSIS_II_PCEE_55_2008, 2010-2013. (Romanian Research Council)
- Symmetry in elliptic problems: PN_II_ID_PCE_3_0241. (Romanian Research Council)

XX. Coordination of Research Programmes

- CEEX-M3-C3-12441-CRT-130., 2006-2008. (Romanian Research Council)

XXI. INVITED RESEARCHER

- “Eotvos Lorand” University of Budapest: 1993, 1994, 2001, 2012, 2013, 2014, 2015
- University of Debrecen: 1996, 1997, 2000, 2001, 2009
- University of Szeged: 2002
- University of Rousse, Bulgaria: 2007, 2012
- Institute of Mathematics “Renyi Alfred” Budapest: 2007, 2008, 2011

- University of Catania, Italy: 2008, 2011
- “Adam Mickiewicz” University, Poznan, Poland, 2008
- Technical University of Athens: 2009
- University of Perugia, Italy: 2009, 2011, 2012, 2014
- University of Pécs, Ungaria, 2015

XXIII. CONFERENCES

- International Conference in Geometry and Topology on the Occasion of two Centenaries Anniversary of János Bolyai, Cluj-Napoca, 1-5 October 2002, Romania
- Romanian-German International Conference, Sibiu, September 1-5, 2003, Romania
- ICNODEA, 24-27 August 2004, Cluj-Napoca, Romania
- ICNODEA, July 3-7, 2007, Cluj-Napoca, Romania
- Romanian-German Symposium on Mathematics and Its Applications -Workshop in Nonlinear Analysis and Mathematical Physics, Sibiu, May 14-17, 2009, Romania
- International Conference Bolyai-Gauss-Lobacevski, Cluj-Napoca, July 5-9, 2010, Romania
- ICNODEA, Cluj Napoca, July 8-13, 2011, Romania
- ICNODEA, Cluj Napoca, July 14-17, 2015, Romania

- AL 8-LEA CONGRES AL MATEMATICIENILOR ROMÂNI, IAȘI, 26 Iunie -- 1 Iulie 2015