



Prof. Dr. Habíl. Adela-Gabriela MIHAI

Curriculum Vitae

Affiliations

Technical University of Civil Engineering Bucharest, Department of Mathematics and Computer Science, Bd. Lacul Tei 122-124, 020396 Bucharest, Romania

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and

Transilvania University of Brasov, Interdisciplinary Doctoral School, Bd. Eroilor 29, 500036 Brasov, Romania

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CV and Publications List: <https://utcb.ro/prof-univ-dr-mat-adela-gabriela-mihai/>

BrainMap public profile: <https://www.brainmap.ro/adela-gabriela-mihai-oiaga>

ResearchGate profile: https://www.researchgate.net/profile/Adela_Mihai

Google Scholar profile: https://scholar.google.ro/citations?hl=ro&user=56_Xcp0AAAAJ

Degrees

Bachelor: Faculty of Mathematics, Bucharest University, 1997; *Thesis*: Invariant geometrical objects on Lie groups.

Master: Faculty of Mathematics, Bucharest University, 1998; *Thesis*: B.Y. Chen inequalities for submanifolds in complex space forms.

Ph.D.: "Al. I. Cuza" University, Iasi (Romania), 2001; *Thesis*: Geometry of Submanifolds in Complex Manifolds, supervisor Acad. Prof. Dr. Doc. Radu Miron.

Habilitation: University of Debrecen (Hungary), 2019; *Dissertation*: Topics in the Geometry of Structured Riemannian Manifolds and Submanifolds

Positions

Assistant Prof. Ph.D., Department of Mathematics, Faculty of Mathematics and Computer Science, University of Bucharest (2001-2011).

Lecturer Ph.D., Department of Mathematics and Computer Science, Technical University of Civil Engineering Bucharest (since 2011)

Lecturer Ph.D., Department of Mathematics, Faculty of Mathematics and Computer Science, University of Bucharest (associate, 2012-2014).

Associate Prof. Ph.D., Department of Mathematics and Computer Science, Technical University of Civil Engineering Bucharest (since October 2014).

Associate Prof. Ph.D., Department of Mathematics, Faculty of Mathematics and Computer Science, University of Bucharest (associate, 2014-2016).

Ph.D. Supervisor, Interdisciplinary Doctoral School, Transilvania University of Brasov (since February 2021).

Professor (Full) Ph.D., Department of Mathematics and Computer Science, Technical University of Civil Engineering Bucharest (from September 26, 2022).

Languages

English (very good, C1 level); French (good); Japanese (understanding and daily conversation level)

Research Topics

Submanifold theory in complex manifolds; Chen invariants theory and submanifolds of finite type; Complex Analysis on manifolds; Differential Geometry of vector fields, complex contact Geometry; Applications of Differential Geometry in Economics; statistical manifolds and their submanifolds.

Prizes

“Gheorghe Tzitzeica” Prize of the Romanian Academy (December 2014) for the group of papers **“Curvature Properties of Complex and Real Metric Manifolds. Applications”**, published in 2012.

Excellence Diploma for **“The Researcher of 2017”** at the Technical University of Civil Engineering Bucharest, Faculty of Railways, Roads and Bridges.

Excellence Diploma for **“The Researcher of 2018”** at the Technical University of Civil

Engineering Bucharest, Faculty of Railways, Roads and Bridges.

Excellence Diploma for “**The Researcher of 2019**” at the Technical University of Civil Engineering Bucharest, Faculty of Railways, Roads and Bridges.

Grants (including postdoctoral studies)

- Research Grant, Yamagata University, Japan, 1999
- Grant for Young Researchers, Summer School "Automorphic Forms on $GL(n)$ ", ICTP, Trieste, Italy, 2000
- **JSPS (Japan Society for the Promotion of Sciences) Postdoctoral Fellowship, Yamagata University, Japan, 2002 – 2004**
- 4ECM Grant, 4-th European Congress of Mathematics, Stockholm, Sweden, 2004
- Grant, Summer School "Minimal Surfaces and Variational Problems", Paris, France, 2004
- Visiting Researcher Grant, Tohoku University, Japan, 2006, 2008, 2010
- Grant, Mathematics and its Applications, Torino, 2006
- Research Grant TUBITAK, Balikesir University, Turkey, 2008
- **Senior Fulbright Award, Michigan State University, 2008-2009**
- **Postdoctoral fellowship (POSDRU)**, University of Bucharest, Romania, 2010-2013
- Grant 6ECM (The 6-th European Congress of Mathematics), Krakow, Poland, 2012
- Visiting Researcher, Transilvania University Brasov, Romania, 2012
- Research visit (*Symmetry, bifurcation and order parameters*), Isaac Newton Institute for Mathematical Sciences, Cambridge, UK, 01.2013
- **DAAD fellowship for Academics and Researchers, Technical University Berlin, Germany, 12.2014-01.2015**
- Visit for teaching intensive courses, University of Debrecen, Hungary, 12-23.11.2018
- Research visit Shinshu University, Japan, 08-09.2019

Research grants (Romanian competitions)

- Grant CEEEX-ET 2968 / 2005 (Excellency Grant for the Young Researchers) (director), Romania, 2005-2007.
- Grants CNCSIS (National Research Council) Romania (member of the team):
886 / 2005, 1422 / 2005, 1057 / 2006, CEEEX-M3 252 / 2006, PN 2 IDEI 174 / 2007
- Grant of the Romanian Academy GAR 60 / 2007 (member of the team)
- UTCB-CDI-2021-012, UTCB (director, internal project CURSSA)
- PNIII-P4-PCE-2021-1881 (member of the team)
- UTCB-CDI-2022-008, UTCB (member of the team, internal project SUPREMA)

Other grants (Romanian competitions)

- Grant CNFIS-FDI-2018-0288 (D4-SAS) (member of the team)
- Grant PN-III-P1-1.1-MC-2018-2760 (director, mobility grant)
- FDI-SAS-2018, UTCB (member of the team)
- FDI-SAS-2019, UTCB (member of the team)
- FDI-SAS-2020, UTCB (member of the team)

Lectures abroad

- Tohoku University (Japan) (06.1999, 02.2006);
- Chiba Institute of Technology (Japan) (07.1999, 12.2002);
- Yamagata University (Japan) (07.1999, 04.2003);
- Kazimierz Dolny (Poland) (09.1999);
- K.U. Brussel, K.U. Leuven (Belgium) (12.1999, 04.2007);
- Trieste (Italy) (08.2000);
- Tsukuba International Congress Center (Japan) (08.2002);
- Toyama University (Japan) (12.2002);
- Hokkaido Tokai University (Japan) (02.2003);
- Uludag University (Turkey) (07.2004, 08.2008)).
- Sevilla University (Spain) (04.2010)
- Michigan State University (U.S.A.) (2009)
- SUNY College at Brockport (U.S.A.) (2009)
- Institute of Mathematics, University of Debrecen (Hungary) (2018)
- Instituto Superior Tecnico Lisbon (Portugal) (2019)

Attended Summer Schools

- Spaces with Singularities and Monopoles, Cluj-Napoca (Romania), 27.07 - 8.08.1998;
- Automorphic Forms on $GL(n)$, ICTP, Trieste (Italy), 31.06 - 18.08.2000;
- Minimal Surfaces and Variational Problems, Jussieu, Paris (France), 30.06 - 8.07.2004.

Meetings and Conferences (lectures and participations)

- The IV-th International Workshop on Differential Geometry, Brasov (Romania), 16 - 22.09.1999;
- The X-th International Symposium on Classical Analysis, Kazimierz Dolny (Poland), 09.1999;
- Congress in Honor of Prof. Dr. Radu Rosca, KU Leuven, KU Brussel (Belgium),

- 12.1999;
- The XI-th National Seminar of Finsler and Lagrange Geometry, Bacau (Romania), 02.2000;
 - Acad. G. Vranceanu Centennial, Bucuresti (Romania), 06 - 07.2000;
 - The VIII-th Conference in Applied Mathematics, Pitesti (Romania), 10.2000;
 - Geometry Symposium of the Mathematical Society of Japan - Osaka University (Japan), 28 - 31.07.2002;
 - Tensor Society Conference - Tsukuba (Japan), 5 - 9.08.2002;
 - Conference of the Mathematical Society of Japan - Tokyo University (Japan), 23 - 26.03.2003;
 - Workshop: Submanifolds Sendai 2004 - Tohoku University (Japan), 17 - 18.02.2004
 - Workshop on Differential Geometry - Matsushima (Japan) (participation), 4 - 7.03.2004;
 - Conference of the Mathematical Society of Japan - Tsukuba University (Japan) (participation), 28 - 31.03.2004;
 - 4 ECM, 4-th European Congress of Mathematics, Stockholm (Sweden), 27.06 - 1.07.2004;
 - Workshop on Differential Geometry, Bursa (Turkey), 21.07 - 27.07.2004;
 - ICTAMI 2005, Albac-Alba (Romania), 15 - 18.09.2005;
 - Workshop on Differential Geometry – Sendai 2006 –Tohoku University (Japan), 09.02.2006
 - Mathematics and Its Applications, Torino (Italy), 3-7.07.2006
 - PADGE 2007, Brussels (Belgium), 04.2007
 - Riemannian Geometry and Applications RIGA 2007 Brasov (Romania), 06.2007
 - Differential Geometry, Bedlewo (Poland) 05.2008
 - Riemannian Geometry and Applications RIGA 2008, Brasov (Romania), 07.2008
 - Riemannian Geometry and Applications RIGA 2011, Bucharest (Romania), 05.2011
 - Congress of Romanian Mathematicians, Brasov (Romania) (participation), 29.06 – 05.07.2011
 - French-Romanian Workshop on Complex Geometry, Bucharest (Romania) (participation), 07-09.07.2011
 - VII-th International Conference “Finsler Extensions of Relativity Theory”, Brasov (Romania), 29.08-4.09.2011
 - The X-th Pacific Rim Geometry Conference Osaka-Fukuoka, Japan, 1-9.12.2011 – **Invited Speaker**
 - The 6-th European Congress of Mathematics, Krakow (Poland), 2-7.07.2012 – poster
- International Economic Conference 2012, Sibiu (Romania), 06.2012
- ADSPECPRO 2012, Advances in structure-property correlations, the gate for special properties at molecular and nano-scale levels, Bucharest (Romania) (participation), 20-2.09.2012

- The 12-th Workshop of Scientific Communications of the Departments of Mathematics and Computer Science, Technical University of Civil Engineering, Bucharest (Romania), 05.2013
- Workshop: New Opportunities for Interdisciplinary Research in Bio-nano-science, 2-nd edition, JSPS Alumni Association Romania and Institute of Biology, Romanian Academy, Bucharest (Romania) (participation), 06.2013.
- The International Conference of the University of Agronomic Sciences and Veterinary Medicine of Bucharest „Agriculture for Life, Life for Agriculture”, Bucharest (Romania), 06.2013.
- Joint International Meeting of the American Mathematical Society and the Romanian Mathematical Society, Alba Iulia, 27-30.07.2013 (participation)
- VXIII Geometrical Seminar Vrnjacka Banja, Serbia, 25-28.05.2014 – **Invited Speaker**
- Riemannian Geometry and Applications to Engineering and Economics RIGA 2014, Bucharest (Romania), 05.2014
- Math. Educational Symposium of the Dept. Math. Comp. Sci., Technical University of Civil Engineering, Bucharest, Romania, 2014
- International Conference “Finsler Extensions of Relativity Theory”, FERT 2014, Brasov, Romania
- Conference on Real and Complex Differential Geometry, Bucharest, Romania, 8-12.09.2014 (participation)
- Math. Educational Symposium of the Dept. Math. Comp. Sci., Technical University of Civil Engineering, Bucharest, Romania, 2015
- The Irish Geometry Conference 2015, Limerick, Ireland, 2015 (participation)
- ICTAMI 2015, Alba Iulia, Romania, 2015 (participation)
- Math. Educational Symposium of the Dept. Math. Comp. Sci., Technical University of Civil Engineering, The 2-nd edition, Bucharest, Romania, 2016
- The 14-th Scientific Communications Session of the Department of Mathematics and Computer Science of Technical University of Civil Engineering Bucharest, May 27, 2017.
- Constant Scalar Curvature Metrics in Kaehler and Sasaki Geometry, January 15-19, 2018, CIRM, Marseille, France (participation)
- The 15-th Scientific Communications Session of the Department of Mathematics and Computer Science of Technical University of Civil Engineering Bucharest, June 9, 2018.
- 16-th International Geometry Symposium, Manisa, Turkey, July 4-7, 2018 – **Invited Speaker**; <http://16geosem.cbu.edu.tr/en/invited-speakers/>
- AMS Special Meeting Ann Arbor, Michigan, U.S.A., Oct. 21-22, 2018 – **Invited Speaker**; http://www.ams.org/meetings/sectional/2259_program_ss1.html#title
- Analysis, Geometry and Algebra, Trinity College Dublin, May 8-10, 2019
- The 16-th Scientific Communications Session of the Department of Mathematics and

Computer Science of Technical University of Civil Engineering Bucharest, May 25, 2019

- Seminar on Statistical Manifolds, Shinshu University, Japan (participation), 30.08.2019
- Conference of the Mathematical Society of Japan, Kanazawa University (Japan) (participation), 17-20.09.2019
- The 54-th Symposium on Finsler Geometry, Sapporo (Japan), 20-22.09.2019
- Differential Geometry - Dynamical Systems DGDS-2019, Bucharest, 10-13.10.2019
- Riemannian Geometry and Applications RIGA 2021, Bucharest (Romania), 01.2021
- Ege 3-th Geometry Day, Izmir, Turkey, June 2021 - **Invited Speaker**
- MMHPC2021 (<https://mmhpc.ir/>), 24-25.11.2021 – **Invited Speaker**
- Women in Mathematics in South-Eastern Europe (<https://icms.bg/women-in-mathematics-in-south-eastern-europe-2021/>), 9-10.12.2021 - **Invited Speaker**
- Differential Geometry and its Applications DGA2022, Hradec Kralove (Czech Republic), 17-23.07.2022
- MACOS 2022, Brasov (Romania), 15-17.09.2022

Other Activities

Ph.D. supervisor (domain: Mathematics) at Transilvania Univ. Brasov (since 10.2021), Interdisciplinary Doctoral School

Member of the Ph.D. Jury of M.E. Aydin (Firat University, Turcia), 2014.

Member of the Ph.D. Jury of M. Shuaib (Aligarh Muslim Univ., India), 2017.

Host researcher for the Ph.D. student M.E. Aydin (research visit for 1 academic year) from Firat University (Turkey) at Department of Mathematics and Computer Science, Technical University of Civil Engineering Bucharest (1.10.2013-30.09.2014).

Host researcher for Dr. F. Karakus (research visit for 9 months) from Sinop University (Turkey) at Department of Mathematics and Computer Science, Technical University of Civil Engineering Bucharest (from 11.2019).

Member of the direction commissions for Ph.D. students in Differential Geometry at the Department of Mathematics, Faculty of Mathematics and Computer Science, University of Bucharest.

Senior Researcher at the *Continuous Mechanics Research Centre*, University of Bucharest (2005-2007).

Member of the *Research Center for Mathematics and Computer Science*, Technical University of Civil Engineering Bucharest (2015-2016, 2021- present)

Member of the *Geometry Research Group*, Faculty of Mathematics and Computer Science, Transilvania University of Brasov (since 2021)

Executive Editor of the *Romanian Journal of Mathematics and Computer Science* (since 09.2021) *Romanian Journal of Mathematics and Computer Science* (rjm-cs.ro)

Guest Editor for the Special Issues *Complex and Contact Manifolds I and II, Mathematics* (https://www.mdpi.com/journal/mathematics/special_issues/complex_contact_manifolds)

Member of the Editorial Board of *Mathematics* (<https://www.mdpi.com/journal/mathematics>)

Member of the Editorial Board the *Hagia Sophia Journal of Geometry* (<https://dergipark.org.tr/hsjg/board>)

Member of the Editorial Board of the *European Journal of Mathematical Analysis* (adac.ee)

Member of the National Register of ARACIS (The Romanian Agency for Quality Assurance in Higher Education) Evaluators (since 2016-present).

Member of the National Register of Ph.D. Supervisors of ARACIS (The Romanian Agency for Quality Assurance in Higher Education) Evaluators (since 2021).

Member of the *American Mathematical Society* (since 1998);

Reviewer at *Zentralblatt fur Mathematik* and *Mathematical Reviews* (since 1999).

Referee at *Mathematische Nachrichten*, *Symmetry*, *Entropy*, *Filomat*, *International Journal of Mathematics and Mathematical Sciences*, *Indian Journal of Pure and Applied Mathematics*, *Central European Journal of Mathematics*, *Bulletin of the Malaysian Mathematical Society*, *Demonstratio Mathematica*, *Sarajevo Journal of Mathematics*, *International Electronic Journal of Geometry*, *Romanian Journal of Mathematics and Computer Science*, *Balkan Journal of Geometry and its Applications*, *Mathematics*, *Symmetry*, *Kyungpook Mathematical Journal*, *Bulletin of Transilvania University Brasov*, etc.

Organizer of the International Conference *Riemannian Geometry and Applications RIGA 2007*, Brasov, Romania, 21-25.06.2007.

Organizer of the International Conference *Riemannian Geometry and Applications RIGA 2008*, Brasov, Romania, 8-11.07.2008.

Organizer of the International Conference *Riemannian Geometry and Applications RIGA 2011*, Bucharest, Romania, 10-14.05.2011.

Organizer of the International Conference *Riemannian Geometry and Applications to Engineering and Economics RIGA 2014*, Bucharest, Romania, 19-21.05.2014.

Organizer of the International Conference *Riemannian Geometry and Applications RIGA 2021*, Bucharest, Romania, 01.2021.

Erasmus Teaching Mobilities: Granada University (Spain), Catholic University Leuven (Belgium), Sevilla University (Spain), Instituto Superior Tecnico Lisbon (Portugal).

Member of the Fulbright Alumni Romania.

Member in the selection jury of the Fulbright Science and Technology grantees (2010).

Member of the Romanian US Alumni Association.

Founding member of the JSPS Alumni Romania.

List of Publications

Books

[1] *Problems in Differential Geometry* (in Romanian, jointly written with I. Mihai and D. Cioroboiu), Ed. Univ. Bucuresti, 1999.

[2] *Modern Topics in Submanifold Theory* - Monograph, Ed. Univ. Bucuresti, 2006.

[3] *Mathematics XI* – textbook for high school students (in Romanian, joint work), Ed. Did. Pedag. Bucuresti, 2006.

[4] *Mathematics XII* – textbook for high school students (in Romanian, joint work), Ed. Did. Pedag. Bucuresti, 2007.

[5] *Topics in Differential Geometry* (Editor, jointly written with I. Mihai and R. Miron) – Monograph, Ed. Academiei Romane, Bucuresti, 2008.

[6] *Riemannian Geometry and Applications, Proceedings RIGA 2011*, Editor (jointly with I. Mihai), Ed. Univ. Bucuresti, 2011.

[7] *Problems in Differential Geometry* (in Romanian, jointly written with I. Mihai and V.

Ghisoiu), Ed. Univ. Bucuresti, 2012, 2014.

[8] *Linear Algebra and Analytical Geometry I. Textbook for students* (in Romanian), Ed. Conspress, Bucuresti, 2014.

[9] *Riemannian Geometry and Applications to Engineering and Economics, Proceedings RIGA 2014*, Editor (jointly with I. Mihai), Ed. Univ. Bucuresti, 2014.

[10] *Differential Equations and Partial Differential Equations. Tests for exam* (in Romanian, jointly with L. Nita), Ed. Conspress, Bucuresti, 2015.

[11] *Riemannian Geometry and Applications, Proceedings RIGA 2021*, Editor (jointly with I. Mihai), Bucharest Univ. Press, 2022.

Chapters

[12] *CR-Submanifolds in Complex and Sasakian Space Forms* (chapter, jointly with I. Mihai), in *Geometry of Cauchy-Riemann Submanifolds* (Eds. Sorin Dragomir et al.), Springer, 2016.

[13] *Some Basic Inequalities on Slant Submanifolds in Space Forms* (chapter, jointly with I. Mihai) in *Differential Geometry of Slant Submanifolds* (Eds. B.-Y. Chen et al.), Springer, 2022.

WoS Proceedings

[14] *On the geometry of Einstein spaces: a note on their curvature symmetries*, in *Geometry of Submanifolds*, Proceedings of the AMS Special Session on Geometry of Submanifolds, in honor of Bang-Yen Chen's 75-th birthday, Contemporary Mathematics **756** (2020), 155-162.

Research Papers

(Papers in WoS journals (or former ISI journals) marked with bullet)

- [1] *B.Y. Chen inequalities for slant submanifolds in complex space forms* (jointly written with I. Mihai), Demonstratio Math. **32** (1999), 835-846.
- [2] *Lorentzian Kenmotsu manifolds having two skew symmetric conformal vector fields* (jointly written with I. Mihai and R. Rosca), Bull. Math. Soc. Sci. Math. Roumanie **42** (1999), 237-251.

[3] *Certain obstructions to slant immersions in complex space forms*, Proc. 4-th Int. Workshop Diff. Geometry Appl. Brasov (1999), 203-209.

[4] *Inequalities for certain submanifolds in complex space forms*, Proc. 10-th Int. Symposium Classical Analysis, 49-61, Kazimierz Dolny (Poland), 1999.

[5] *Shape operator for slant submanifolds in complex space forms* (jointly written with K. Matsumoto and I. Mihai), Bull. Yamagata Univ. **14** (2000), 169-177.

- [6] *On cosymplectic quasi-Sasakian manifold with quasi-Reeb vector field* (jointly written with I. Mihai and R. Rosca), Publicationes Math. Debrecen **57** (2000), 475-485.

[7] *On exterior concurrent vector field pairing*, An. St. Univ. "Al. I. Cuza" Iasi **46** (2000), 301-306.

[8] *On f -Kenmotsu manifolds of order 2* (jointly written with K. Buchner, D. Cioroboiu and R. Rosca), Stud. Cerc. St. Univ. Bacau, Proc. 11-th Nat. Conf. Finsler, Lagrange, Hamilton Geom., Feb. 2000, Sect. Mat. **10** (2000), 53-73.

[9] *Ricci curvature of totally real submanifolds in locally conformal Kaehler space forms*, An. Univ. Bucuresti **49** (2000), 69-76.

- [10] *Ricci curvature of submanifolds in complex space forms* (jointly written with K. Matsumoto and I. Mihai), Rev. Roum. Math. Pures Appl. **46** (2001), 775-782.

[11] *On a class of even dimensional manifolds structured by an affine connection* (jointly written with I. Mihai and R. Rosca), Internat. J. Math. Math. Sci. **24** (2001), 681-686.

- [12] *On skew symmetric conformal vector fields* (jointly written with D. Naitza), Publicationes Math. Debrecen **59** (2001), 379-387.

[13] *Certain Chen-like inequalities for slant submanifolds in generalized complex space forms*, Proc. of the 37-th Symposium on Finsler Geometry, Tsukuba, Japan, 5 - 7 Aug. 2002, 50-53.

[14] *Certain Chen-like inequalities for slant submanifolds in generalized complex space forms*, Tensor N.S. **63** (2002), 101-112.

- [15] *Riemannian manifolds carrying a pair of skew symmetric Killing vector fields* (jointly written with K. Matsumoto and R. Rosca), An. Univ. "Al. I. Cuza" Iasi **49** (2003), 137-146.
- [16] *B.Y. Chen inequalities for slant submanifolds in Sasakian space forms* (jointly written with D. Cioroboiu), Rend. Circ. Sem. Mat. Palermo (2) **52** (2003), 367-381.

- [17] *Submanifolds of even-dimensional manifolds structured by a T-parallel connection* (jointly written with K. Matsumoto and D. Naitza), *Lobachevskii J. Math.* **13** (2003), 81-85.
 - [18] *Shape operator A_H for slant submanifolds in generalized complex space forms*, *Turkish J. Math.* **27** (2003), 509-523.
- [19] *Locally conformal almost cosymplectic manifolds endowed with a skew symmetric Killing vector field* (jointly written with K. Matsumoto and D. Naitza), *Bull. Yamagata Univ.* **15** (2004), 1-7.
- [20] *Riemannian manifolds carrying a pair of skew symmetric conformal vector fields* (jointly written with R. Rosca), *Rend. Circ. Mat. Palermo* **53** (2004), 93-102.
- [21] *B.Y. Chen inequalities for slant submanifolds in generalized complex space forms*, *Radovi Matematički* **12(2)** (2004), 215-231.
- [22] *Skew-symmetric vector field on a CR-submanifold of a para-Kaehlerian manifold* (jointly written with R. Rosca), *Internat. J. Math. Math. Sci.* **10** (2004), 535-540.
- [23] *Warped product submanifolds in complex space forms*, *Acta. Sci. Math. Szeged* **70** (2004), 419-427.
- [24] *Some properties of a closed concircular almost contact manifold* (jointly written with I. Hirica), *BJGA* **9(2)** (2004), 25-35.
- [25] *An inequality for totally real surfaces in complex space forms*, *Kragujevac J. Math.* **26** (2004), 83-88.
- [26] *Warped product submanifolds in generalized complex space forms*, *Acta Math. Acad. Paedagog. Nyhazi* **21** (2005), 79-87.
- [27] *Warped product submanifolds in quaternion space forms*, *Rev. Roum. Math. Pures Appl.* **50** (2005), 283-291.
 - [28] *On a class of Einstein space-time manifolds* (jointly written with R. Rosca), *Publ. Math. Debrecen* **67** (2005), 471-480.
- [29] *Warped product submanifolds in quaternionic space forms*, *Proc. ICTAMI 2005, Acta Univ. Apulensis Math. Inform.* **10** (2005), 31-38.
- [30] *On vertical skew-symmetric almost contact 3-structure* (jointly written with R.

Rosca), J. Geom. **82** (2005), 146-155.

[31] *Lagrangian 3-dimensional submanifolds in complex space forms*, Proc. PADGE 2007, Bruxelles, 171-177.

[32] *Structured manifolds admitting distinguished vector fields. Works of Prof. Radu Rosca*, Proc. RIGA 2007, Bull. Transilvania Univ. Brasov **14(49)** (2007), 145-154.

[33] *Chen-like Inequalities for purely real submanifolds*, Proc. RIGA 2008, Bull. Transilvania Univ. Brasov **1(50)** (2008), 233-240.

- [34] *The symmetry blueprints of the molecular edifices* (jointly written with F. Cimpoesu, M. Ferbinteanu and I. Humelnicu), Symmetry: Culture and Science **19(4)** (2008), 225-432.
- [35] *Some properties of biconcircular gradient vector fields*, Proc. Estonian Acad. Sciences **58(3)** (2009), 162-169.
- [36] *Geometric inequalities for purely real submanifolds in complex space forms*, Results Math. **55** (2009), 457-468.
- [37] *Purely real surfaces in non-flat complex space forms satisfying a basic equality* (jointly written with B.-Y. Chen and I. Mihai), Results Math. **56** (2009), 453-472.
- [38] *On purely real surfaces with harmonic Wirtinger function in complex space forms* (jointly written with B. Y. Chen), Kyushu Math. Journal **64** (2010), 153-168.
- [39] *Chen inequalities for submanifolds of real space forms with a semi-symmetric metric connection* (jointly written with C. Ozgur), Taiwanese J. Math. **14** (2010), 1465-1477.
- [40] *Chen inequalities for submanifolds of complex space forms and Sasakian space forms endowed with semi-symmetric metric connections* (jointly written with C. Ozgur), Rocky Mountain J. Math. **41(5)** (2011), 1653-1673.

[41] *Certain invariants for Sasakian manifolds* (jointly written with I. N. Radulescu), Riemannian Geometry and Applications Proc. RIGA 2011, Ed. Univ. Bucuresti, 197-202.

- [42] *Symmetry in complex contact geometry* (jointly written with D. E. Blair), Rocky Mountain J. Math. **42(2)** (2012), 451-465.
- [43] *Homogeneity and local symmetry of complex (k, μ) -spaces* (jointly written with D. E. Blair), Israel J. Math. **187** (2012), 451-464.
- [44] *An improved Chen-Ricci inequality for Kaehlerian slant submanifolds in complex space forms* (jointly written with I. N. Radulescu), Taiwanese J. Math. **16(2)** (2012), 761-770.
- [45] *Lorentzian manifolds having the Killing property*, Reports on Math. Phys. **69(3)** (2012), 321-329.

- [46] *Chen inequalities for submanifolds of real space forms with a semi-symmetric non-metric connection* (jointly written with C. Ozgur), *Canadian Math. Bull.* **55(3)** (2012), 611–622.
- [47] *The use of the h-homogeneous production function in microeconomics. Modelling challenges* (jointly written with M. Sandu), *Proceedings of the 19th International Economic Conference The Persistence of the Global Economic Crisis: Causes, Implications, Solutions*, Sibiu, Romania, 15 Iunie 2012, IECS 2012, ISBN: 978-606-12-0323-9, 650-657; *Revista Economica* **1** (2012), 465-472.
- [48] *Certain Riemannian invariants for Sasakian submanifolds* (jointly written with I. N. Radulescu), *Publ. Math. Debrecen* **83** (2013), 685-695.
 - [49] *Torse forming vector fields and exterior concurrent vector fields on Riemannian manifolds and applications* (jointly written with I. Mihai), *J. Geom. Phys.* **73** (2013), 200-208.
- [50] *Applied geometry in microeconomics. Recent developments* (jointly written with A. Olteanu), *Proceedings of the International Conference of the University of Agronomic Sciences and Veterinary Medicine of Bucharest „Agriculture for Life, Life for Agriculture”*, Bucharest (Romania), 2013.
- [51] *New connections derived from semi-symmetric metric connections*, *Proceedings of the 12-th Workshop of Scientific Communications, Department of Mathematics and Computer Science, Technical Univ. of Civil Engineering Bucharest, Romania, May 25, 2013*, 73-76.
- [52] *Scalar and Ricci curvatures of special contact slant submanifolds in Sasakian space forms* (jointly written with I. N. Radulescu), *Advances in Geometry* **14** (2014), 147-159.
 - [53] *Flat tensor product surfaces of pseudo-Euclidean curves* (jointly written with B. Heroiu), *Ann. Polonici Math.* **111** (2014), 137-143.
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