List of Publications

Ion Mihai

Books

1. **Riemannian Geometry and Applications. Proceedings RIGA 2014,** Eds. A. Mihai, I. Mihai, Ed. Univ. Bucuresti, 2014.

2. **Riemannian Geometry and Applications. Proceedings RIGA 2011,** Eds. A. Mihai, I. Mihai, Ed. Univ. Bucuresti, 2011.

3. **Geometry of Slant Submanifolds**, in **Topics in Differential Geometry,** Eds.: A. Mihai, I. Mihai, R. Miron, Ed. Academiei Romane, 2008.

4. **Complex Differential Geometry**, in **Handbook of Differential Geometry**, vol. II, Eds.: F. Dillen and L. Verstraelen, Elsevier, Amsterdam, 2005, pp.383-435.

5. **Geometria Subvarietatilor in Varietati Complexe**, Edit. Univ. Bucuresti, 2001.

6. **Some Aspects of the Differential Geometry of Vector Fields** (jointly written with R. Rosca and L. Verstraelen), PADGE, vol. 2, Katholieke Universiteit Leuven, Katholieke Universiteit Brussel, 1996.

7. **Capitole Speciale de Geometria Varietatilor Complexe**, Edit. Univ. Bucuresti, 1995.

8. **Culegere de Probleme de Geometrie Diferentiala** (with A. Mihai and V. Ghisoiu), Ed. Univ. Bucuresti, 2012.

Research Articles

1. **Varietati de paracontact si subvarietati semi-invariante in varietati metrice de paracontact**, (with S.Ianus), Lucr. Conf. Nat. Geom. Top., Busteni (1981), 160-170.

2. **Almost product structures on the tangent bundle of an almost paracontact manifold** (with C.Nicolau), Demonstratio Math., 15 (1982), 1045-1058.

3. **Semi-invariant submanifolds of an almost paracontact manifold** (with S.Ianus), Tensor N.S. 39 (1982), 195-200.

4. **CR-subvarietati ale unei f-varietati cu repere complementare**, St. Cerc. Mat., 35 (1983), 127-136.

5. **Some structures induced on the tangent bundle of an almost paracontact manifold** (with C.Nicolau), Proc. Nat. Sem. Finsler Spaces, Brasov, 1983, 141-146.

6. **On generic submanifolds of a framed f-manifold**, Proc. Nat. Conf. Geom. Top., Timisoara, 1984, 153-158.

7. **Almost semi-invariant submanifolds of some almost paracontact Riemannian manifolds** (with S.Ianus and K.Matsumoto), Bull. Yamagata Univ.,11 (1985), 121-128.

8. **Some structures defined on the tangent bundle of a P-Sasakian manifold**, Bull. Math. Soc. Sci. Math. Roumanie, 29 (1985), 61-67.

9. **On P-Sasakian manifolds which admit certain tensor fields** (with K.Matsumoto and S.Ianus), Publicationes Math. Debrecen, 33 (1986), 199-204.

10. **Submanifolds of a manifold with a Sasakian 3-structure**, Proc. Nat. Conf. Geom. Top., Targoviste, 1986, 143-148.

11. **Generic submanifolds of some almost paracontact Riemannian manifolds**, Topics in Differential Geometry, Coll. Math. Soc. J. Bolyai, 46 (1988), 777-791, North-Holland.

12. **Almost CR-submanifolds of a manifold with a Sasakian 3-structure** (with K. Matsumoto), Bull. Yamagata Univ., 12 (1988), 1-8.

13. **On a certain transformation in a Lorentzian para-Sasakian manifold** (with K. Matsumoto), Tensor N.S. 47 (1988), 189-197.

14. **Submanifolds of an almost r-paracontact Riemannian manifold of P-Sasakian type** (with K.Matsumoto), Tensor N.S. 48 (1989), 138-144.

15. **Hypersurfaces of an l.c. Kähler space form** (with K. Matsumoto and R.Rosca), Polytechnic Inst. Bucharest Sci. Bull. 53 (1991), 199-205.

16. **Certain real hypersurfaces of a locally conformal Kähler space form** (with K. Matsumoto and R. Rosca), Bull. Yamagata Univ. 14 (1992), 1-11.

17. **A certain locally conformal almost cosymplectic manifold and its submanifolds** (with R. Rosca and K. Matsumoto), Tensor N.S. 51 (1992), 91-102.

18. **On Lorentzian P-Sasakian manifolds** (with R. Rosca), "Classical Analysis", 155-169, World Scientific, Singapore, 1992.

19. **On the heat kernel of a compact Riemannian manifold**, Rend. Sem. Mat. Messina 2 (1993), 103-108.

20. **Totally real tensor products of submanifolds**, Polytechnic Inst. Bucharest Sci. Bull. 55 (1993), 203-206.

21. **Almost conformal 2-cosymplectic manifolds** (with D.Naitza), Rev. Roum. Math. Pures Appl. 39 (1994), 157-171.

22. **Semi-invariant submanifolds of a trans-Sasakian manifold** (with K. Matsumoto and M. Hasan Shahid), Bull. Yamagata Univ., 13 (1994), 168-176.

23. **On structure conformal vector fields on a general space-time manifold** (with K. Matsumoto and D. Naitza), Tensor N.S. 55 (1994), 270-275.

24. **Introduction to tensor products of submanifolds** (with L.Verstraelen), in "Geometry and Topology of Submanifolds", VI, 141-151, World Scientific, Singapore, 1994.

25. **Tensor products of spherical and equivariant immersions** (with F. Decruyenaere, F. Dillen and L.Verstraelen), Bull. Belgian Math. Soc.-Simon Stevin, 1 (1994), 643-648.

26. **Tensor product surfaces of Euclidean planar curves** (with R. Rosca, L. Verstraelen and L. Vrancken), Rend. Sem. Mat. Messina, 3 (1994-1995), 173-184.

27. **Tensor product surfaces of a Lorentzian plane curve and a Euclidean plane curve** (with I.Van de Woestyne, L. Verstraelan and J. Walrave), Rend. Sem. Mat. Messina, 3 (1994-1995), 147-158.

28. **On biconcircular almost contact 3-structures** (with E.Reyes and R.Rosca), Rend. Sem. Mat. Messina, 3 (1994-1995), 107-120.

29. **Torse formings on a pseudo quasi Sasakian manifold** (with D.Naitza), Bull. Math. Soc. Sci. Math. Roumanie, 39 (1995), 161-166.

30. **Tensor product surfaces of Lorentzian planar curves** (with I.Van de Woestyne, L. Verstraelen and J. Walrave), Bull. Inst. Math. Acad. Sinica, 23 (1995), 357-363.

31. **On pseudo-Riemannian biconformal cosymplectic manifolds** (with R. Rosca and L. Verstraelen), Soochow J. Math., 21 (1995), 221-252.

32. **ξ-null geodesic gradient vector fields on a Lorentzian para-Sasakian manifold** (with R. Rosca and K. Matsumoto), J. Korean Math. Soc., 32 (1995), 17-31.

33. **Generic submanifolds of a trans-Sasakian manifold** (with M. Hasan Shahid), Publicationes Math. Debrecen, 47 (1995), 209-218.

34. **Tensor product surfaces of Euclidean plane curves** (with B. Rouxel), Results Math. 27 (1995), 308-315.

35. **Certain submanifolds of a Kaehler manifold**, in "Geometry and Topology of Submanifolds" VII,186-188, World Scientific, Singapore, 1995.

36. **Tensor product surfaces of Euclidean plane curves** (with B. Rouxel), in "Geometry and Topology of Submanifolds", VII, 189-192, World Scientific, Singapore, 1995.

37. **Certain submanifolds of a Sasakian manifold**, in "Geometry and Topology of Submanifolds", VIII, 265-268, World Scientific, Singapore, 1996.

38. **On a class of exact locally conformal cosymplectic manifolds** (with R. Rosca and L. Verstraelen), Internat. J. Math. Math. Sci. 19 (1996), 267-278.

39. **On gradient almost torse forming vector fields** (with K.Matsumoto and R. Rosca), Math. J. Toyama Univ. 19 (1996), 143-157.

40. **Submanifolds of a Kaehler manifold**, Academia Romana, Mem. Sect. St., 19 (1996), 129-134.

41. **General space-time having the quasi-concurrence property** (with M.T. Calapso and R. Rosca), Rend. Sem. Mat. Messina 4 (1996-1997), 135-146.

42. **An obstruction to the existence of minimal totally real immersions in a l.c.K. space form** (with K. Matsumoto), Bull. Yamagata Univ., 14 (1997), 83-87.

43. **B.Y. Chen's inequality for C-totally real submanifolds in Sasakian space forms** (with F. Defever and L. Verstraelen), Boll. Un. Mat. Ital. 11 (1997), 365-374.

44. **Framed (2m+3)-dimensional Riemannian manifolds endowed with a Sasakian almost contact 3-structure** (with M.T. Calapso, K. Matsumoto and R. Rosca), Bull. Math. Soc. Sc. Math. Roumanie 41(89) (1997), 97-106.

45. **On manifolds endowed with a T-Killing almost contact 2-structure** (with R. Rosca), Libertas Math. 17 (1997), 101-110.

46. **On para-Kaehlerian manifolds M(J,g) and on skew-symmetric Killing vector fields carried by M** (with L. Nicolescu and R. Rosca), Portugaliae Math. 54 (1997), 215-228.

47. **Riemannian manifolds endowed with a locally cosymplectic cohomological almost contact 2-structure** (with K. Matsumoto and R. Rosca), Tensor N.S. 58 (1997), 304-313.

48. **On the topology of semi-invariant submanifolds of a P –Sasakian manifold** (with K. Matsumoto and I.Sato), Tensor N.S. 59 (1998), 88-93.

49. **Distinguished submanifolds of a Sasakian manifold**, in "Geometry and Topology of Submanifolds", IX, 192-197, World Scientific, 1999.

50. **Certain submanifolds of a Kenmotsu manifold** (with K. Matsumoto and M.H. Shahid), Third Pacific Rim Geom. Conf., 183-193, Monogr. Geom. Topology 25, Intern. Press, Cambridge, MA, 1998.

51. **A class of C-totally real submanifolds of Sasakian space forms** (with F. Defever and L. Verstraelen), J. Australian Math. Soc. (Ser.A), 64 (1998), 120-128.

52. **On exact 2-para Sasakian manifolds** (with L. Nicolescu and R. Rosca), Rend. Circ. Mat. Palermo, 48 (1999), 223-236.

53. **Framed (2m+3)-dimensional almost Kenmotsu manifolds endowed with a vertical ξ-parallel connection** (with R.Rosca), Libertas Math. 19 (1999), 47-57.

54. **B.Y. Chen inequalities for slant submanifolds in complex space forms** (with A. Oiaga), Demonstratio Math. 32 (1999), 835-846.

55. **Lorentzian Kenmotsu manifolds having two skew symmetric conformal vector fields** (with A. Oiaga and R. Rosca), Bull. Math. Soc. Sci. Math. Roumanie 42(90) (1999), 237-251.

56. **On Lorentzian para-Sasakian manifolds** (with A. Shaikh and U.C. De), Korean J. Math. Sci. 6 (1999), 1-13.

57. **Cohomology of CR-submanifolds of a trans-Sasakian manifold** (with K. Matsumoto and M.H. Shahid), Tensor N.S. 61 (1999), 1-6.

58. **Ideal C-Lagrangian submanifolds of a Sasakian space form**, Proc. 10-th Int. Symp. Classical Analysis, Kazimierz Dolny, 1999.

59. **Shape operator A_H for slant submanifolds in complex space forms** (with K. Matsumoto and A. Oiaga), Bull. Yamagata Univ., 14 (2000), 169-177.

60. **On cosymplectic quasi-Sasakian manifold with quasi-Reeb vector field** (with A. Oiaga and R. Rosca), Publicationes Math. Debrecen , 57 (2000), 475-485.

61. **P-Sasakian manifold**, Encyclopaedia Math., Suppl. II, 378-379, Kluwer Academic Publ., 2000.

62. **Certain Chen-like inequalities**, Proc. II-nd International Conf. Basic Sciences Advanced Technology, 75-88, Assiut, Egipt, Nov. 5-8, 2000.

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64. **Submanifolds of framed metric manifolds and S-manifolds** (with M.M. Tripathi), Note Mat. 20 (2000/2001), 133-162.

65. **B.-Y. Chen inequalities for submanifolds in Sasakian space forms** (with F. Defever and L. Verstraelen), Boll. Un. Mat. Ital. 4 (2001), 521-529.

66. **On a class of Einstein hypersurfaces immersed in a Riemannian manifold** (with R. Rosca and L. Verstraelen), Annali Math. Pura Appl. 180 (2001), 71-79.

67. **On 2-almost contact Tachibana manifolds** (with R. Rosca and L. Verstraelen), Rend. Circ. Mat. Palermo 50 (2001), 415-426.

68. **B.Y. Chen inequalities for submanifolds in locally conformal cosymplectic manifolds** (with K. Arslan, R. Ezentas, C. Murathan, C. Ozgur), Bull. Inst. Math. Acad. Sinica 29 (2001), 231-242.

69. **On space-time carrying a total hyperbolic skew symmetric Killing vector field** (with R. Rosca and L. Verstraelen), J. Geom. Phys. 40 (2001), 47-55.

70. **Ricci curvature of submanifolds in complex space forms** (with K. Matsumoto and A. Oiaga), Rev. Roum. Math. Pures Appl. 46 (2001), 775-782.

71. **Certain inequalities for submanifolds in (k, μ)-contact space forms** (with K. Arslan, R. Ezentas, C. Murathan, C. Ozgur), Bull. Austral. Math. Soc. 64 (2001), 201-212.

72. **Tensor product surfaces of a Euclidean space curve and a Euclidean plane curve** (with K. Arslan, R. Ezentas, C. Murathan, C. Ozgur), Beitrage Alg. Geom. (Contrib. Alg. Geom.) 42 (2001), 523-530.

73. **On almost para-Hermitian manifolds structured by a T-parallel connection** (with F. Defever and R. Rosca), Saitama Math. J. 19 (2001), 1-12.

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77. **Ricci tensor of C-totally real submanifolds in Sasakian space forms** (with K. Matsumoto), Nihonkai Math. J. 13 (2002), 191-198.

78. **Warped product submanifolds in Sasakian space forms** (with K. Matsumoto), SUT J. Math. 38 (2002), 135-144.

79. **Ideal Kaehlerian slant submanifolds in complex space forms**, Proc. 37-th Symp. Finsler Geometry, August 5-9, 2002, Tsukuba, Japan, 54-57.

80. **On a normal cosymplectic manifold** (with R.Rosca), in "Finsler and Lagrange Geometries", 113-118, Kluwer Acad. Publ., 2003.

81. **Ricci tensor of slant submanifolds in complex space forms** (with K. Matsumoto and Y. Tazawa), Kodai Math. J. 26 (2003), 85-94.

82. **Almost Kaehlerian structures determined by Riemannian structures** (with K. Matsumoto and R. Miron), Publicationes Math. Debrecen 62 (2003), 497-509.

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84. **On Ricci curvature of a quaternion CR-submanifold in a quaternion space form** (with F.Al-Solamy and M.H. Shahid), Rad. Mat. 12 (2003), 91-98.

85. **Ricci curvature of submanifolds in locally conformal cosymplectic manifolds** (with K. Arslan, R. Ezentas, C. Murathan, C. Ozgur), Math. J. Toyama Univ. 26 (2003), 13-24.

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91. **Isometric immersions of contact Riemannian manifolds in real space forms** (with B.Y. Chen), Houston J. Math. 31 (2005), 743-764.

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93. **On Riemannian manifolds endowed with a locally conformal cosymplectic structure** (with R.Rosca and V.Ghisoiu), Int. J. Math. Math. Sci. 2005 (2005), 3471-3478.

94. **Ricci curvature of a contact CR-submanifold in a generalized Sasakian space form** (with M.H. Shahid and F. Al-Solamy), Rev. Bull. Calcutta Math. Soc. 13 (2005), 89-94.

95. **Warped product submanifolds in Kenmotsu space forms** (with K. Arslan, R. Ezentas, C. Murathan), Taiwanese J. Math. 10 (2006), 1431--1441.

96. **Quasi-minimal slant surfaces in Lorentzian complex space forms**, in "Proceedings PADGE", Brussels, 2007, pp. 178-184.

97. **Ideal submanifolds in complex and Sasakian space forms**, Bull. Transilvania Univ. Brasov 14 (49) (2007), 155-162.

98. **A Chen invariant on contact manifolds**, Bull. Transilvania Univ. Brasov 1 (50) (2008), 241-246.

99. **Classification of quasi-minimal slant surfaces in Lorentzian complex space forms** (with B.Y. Chen), Acta Math. Hung. 122 (2009), 307-328.

100. **Purely real surfaces in non-flat complex space forms satisfying a basic equality** (with B.Y. Chen, A. Mihai), Results Math. **56** (2009), no. 1-4, 453--472.

101. **Special Submanifolds in Hermitian Manifolds**, in **Topics in Modern Differential Geometry** (Eds. S. Haesen, L. Verstraelen), 83-116, Simon Strevin Transactions in Geometry, 2010.

102. **On generalized Wintgen inequality**, in "Riemannian geometry and applications—Proceedings RIGA 2011*, 203-208, Ed. Univ. Bucureşti, Bucharest*, 2011.

103. **An improved Chen-Ricci inequality for Legendrian submanifolds in Sasakian space forms** (with I.N. Radulescu), J. Adv. Math. Stud. **4** (2011), no. 2, 51-58.

104. **Torse forming vector fields and exterior concurrent vector fields on Riemannian manifolds and applications** (with A. Mihai), J. Geom. Phys. 73 (2013), 200-208.

105. **On the generalized Wintgen inequality for Lagrangian submanifolds in complex space forms**, Nonlinear Analysis 95 (2014), 714-720.

106. **On the generalized Wintgen inequality for submanifolds in Sasakian space forms**, in "Riemannian Geometry and Applications—Proceedings RIGA 2014, 153-158, Editura Univ. Bucuresti, Bucharest, 2014.

107**. Some inequalities on submanifolds in statistical manifolds of constant curvature** (with M. Evren Aydin and Adela Mihai), Filomat 29 (2015), 465-477.

108. **On the generalized Wintgen inequality for Legendrian submanifolds in Sasakian space forms**, Tohoku Math. J., to appear.