

LIST OF PAPERS – MARIAN IOAN MUNTEANU

Most relevant 10 papers:

1. **C. Calin, M. Crasmareanu, M.I. Munteanu:** Slant curves in 3-dimensional f-Kenmotsu manifolds, **Journal of Mathematical Analysis and Applications** (accepted)
DOI: 10.1016/j.jmaa.2012.04.031
2. **J. Inoguchi, R. Lopez, M.I. Munteanu:** Minimal translation surfaces in the Heisenberg group Nil_3 , **Geometriae Dedicata** (accepted)
DOI: 10.1007/s10711-012-9702-8
3. **P. Alegre, B.-Y. Chen, M.I. Munteanu:** Riemannian submersions, δ -invariants and Optimal inequality, **Annals of Global Analysis and Geometry** (accepted)
DOI: 10.1007/s10455-012-9314-4
4. **M.I. Munteanu, A.I. Nistor:** The classification of Killing magnetic curves in $S^2 \times R$, **Journal of Geometry and Physics**, **62** (2012) **2**, 170 – 182.
5. **R. Lopez, M.I. Munteanu:** Minimal translation surfaces in Sol_3 , **Journal of the Mathematical Society of Japan** **64** (2012) **3**, 985 – 1003.
6. **R. Lopez, M.I. Munteanu:** Invariant surfaces in homogeneous space Sol with constant curvature, **Mathematische Nachrichten** (accepted).
7. **S.L. Druta-Romaniuc, M.I. Munteanu:** Magnetic curves corresponding to Killing magnetic fields in E^3 , **Journal of Mathematical Physics** **52** (2011) **11**, 113506:1-11.
8. **M.I. Munteanu:** From Golden Spirals to Constant Slope Surfaces, **Journal of Mathematical Physics** **51** (2010) **7**, 073507:1-9.
9. **F. Dillen, M.I. Munteanu:** Constant angle surfaces in $H^2 \times R$, **Bull. Braz. Math. Soc.** **40** (2009) **1**, 85-97.
10. **M.I. Munteanu:** Doubly Warped Product CR-Submanifolds in Locally Conformal Kaehler Manifolds, **Monatshefte fur Mathematik** **150** (2007) **4**, 333-342.

ALL PAPERS:

Papers published in Journal

1. * **C. Calin, M. Crasmareanu, M.I. Munteanu:** Slant curves in 3-dimensional f-Kenmotsu manifolds, **Journal of Mathematical Analysis and Applications** (accepted)
2. * **J. Inoguchi, R. Lopez, M.I. Munteanu:** Minimal translation surfaces in the Heisenberg group Nil_3 , **Geometriae Dedicata** (accepted)
3. * **P. Alegre, B.-Y. Chen, M.I. Munteanu:** Riemannian submersions, δ -invariants and Optimal inequality, **Annals of Global Analysis and Geometry** (accepted)
4. * **C. Calin, M. Crasmareanu, M.I. Munteanu, V. Saltarelli:** Semi-invariant ξ^\perp -submanifolds of generalized quasi-Sasakian manifold, **Taiwanese Journal of Mathematics** (accepted).
5. * **M.I. Munteanu, A.I. Nistor:** The classification of Killing magnetic curves in $S^2 \times R$, **Journal of Geometry and Physics**, **62** (2012) **2**, 170 - 182.
6. * **B.Y. Chen, M.I. Munteanu:** Geometry of PR-warped products in para-Kaehler manifolds, **Taiwanese Journal of Mathematics** (accepted).

7. * **M.I. Munteanu, A.I. Nistor:** *Surfaces in E^3 making constant angle with Killing vector fields*, **International Journal of Mathematics** **23** (2012) **6**, art.no. 1250023 (16 pages).
8. * **R. Lopez, M.I. Munteanu:** *Minimal translation surfaces in Sol_3* , **Journal of the Mathematical Society of Japan** **64** (2012) **3**, 985 – 1003.
9. * **R. Lopez, M.I. Munteanu:** *Invariant surfaces in homogeneous space Sol with constant curvature*, **Mathematische Nachrichten** (accepted).
10. * **S.L. Druta-Romaniuc, M.I. Munteanu:** *Magnetic curves corresponding to Killing magnetic fields in E^3* , **Journal of Mathematical Physics** **52** (2011) **11**, 113506:1-11.
11. * **R. Lopez, M.I. Munteanu:** *On the geometry of constant angle surfaces in Sol_3* , **Kyushu Journal of Mathematics**, **65** (2011) **2**, 237 - 249.
12. * **R. Lopez, M.I. Munteanu:** *Surfaces with constant mean curvature in Sol geometry*, **Differential Geometry and Its Applications** **29** (2011), S238 -S245.
13. * **M.I. Munteanu, A.I. Nistor:** *On the Geometry of the Second Fundamental Form of Translation Surfaces in E^3* , **Houston Journal of Mathematics**, **37** (2011) **4**, 1087-1102.
14. * **F. Dillen, M.I. Munteanu, J. van der Veken, L. Vrancken:** *Classification of constant angle surfaces in a warped product*, **Balkan Journal of Geometry and Its Applications**, **16** (2011) **2**, 35 - 47.
15. * **M.I. Munteanu, A.I. Nistor:** *Complete classification of surfaces with a canonical principal direction in the Euclidean space E^3* , **Central European Journal of Mathematics**, **9** (2011) **2**, 378 - 389.
16. * **M.I. Munteanu, A.I. Nistor:** *Minimal and flat surfaces in $H^2 \times R$ with canonical coordinates*, **Contemporary Mathematics**, vol. **542** (2011), 267 - 271.
17. * **F. Dillen, M.I. Munteanu, A.I. Nistor:** *Canonical coordinates and principal directions for surfaces in $H^2 \times R$* , **Taiwanese Journal of Mathematics**, **15** (2011) **5**, 2265-2289.
18. * **J. Fastenakels, M.I. Munteanu, J. van der Veken:** *Constant angle surfaces in the Heisenberg group*, **Acta Mathematica Sinica (English Series)**, **27** (2011) **4**, 747 - 756.
19. * **R. Lopez, M.I. Munteanu:** *Constant angle surfaces in Minkowski space*, **Bulletin of the Belgian Math. Society - Simon Stevin**, **18** (2011) **2**, 271 - 286.
20. * **M.I. Munteanu:** *From Golden Spirals to Constant Slope Surfaces*, **Journal of Mathematical Physics** **51** (2010) **7**, 073507:1-9. (click also [here](#))
21. **M.I. Munteanu, A.I. Nistor:** *New results on the geometry of translation surfaces*, **Journal of Geometry and Symmetry in Physics (JGSP)** **18** (2010) **49** - 62.
22. * **R. Mocanu, M.I. Munteanu:** *Gray Curvature Identities for Almost Contact Metric Manifolds*, **Journal of the Korean Mathematical Society** **47** (2010) **3**, 505-521.
23. * **M.I. Munteanu, A.I. Nistor:** *A new approach on constant angle surfaces in E^3* , **Turkish Journal of Mathematics** **33** (2009) **2**, 169-178.
24. * **F. Dillen, M.I. Munteanu:** *Constant angle surfaces in $H^2 \times R$* , **Bull. Braz. Math. Soc.** **40** (2009) **1**, 85-97.
25. * **M.I. Munteanu:** *Minimal submanifolds in R^4 with a g.c.K. structure*, **Czechoslovak Mathematical Journal** **58** (2008) **1**, 61-78.
26. * **M.I. Munteanu:** *Some aspects on the geometry of the tangent bundles and tangent sphere bundles of a Riemannian manifold*, **Mediterranean J. Mathematics** **5** (2008) **1**, 43-60.
27. * **M.I. Munteanu:** *A Note on Doubly Warped Product Contact CR-Submanifolds in trans-Sasakian Manifolds*, **Acta Mathematica Hungarica** **116** (1-2) (2007), 121-126.
28. * **M.I. Munteanu:** *Doubly Warped Product CR-Submanifolds in Locally Conformal Kaehler Manifolds*, **Monatshefte fur Mathematik** **150** (2007) **4**, 333-342.

29. **M.I. Munteanu:** *New aspects on CR-structures of codimension 2 on Hypersurfaces of Sasakian Manifolds*, **Archivum Mathematicum (Brno)**, **42 (2006) 1, 69-84.**
30. * **M.I. Munteanu:** *Warped product contact CR submanifolds in Sasakian space forms*, **Publicationes Mathematicae Debrecen** **66 (2005), 1-2, 75-120.**
31. **M.I. Munteanu:** *Harmonicity and gauge transformation in dimension 3*, **J. of Geometry** **77, 2003, 140-151.**
32. **P. Matzeu, M.I. Munteanu:** *Vector Cross Products and Almost Contact Structure*, **Rendiconti di Matematica**, Serie VII, vol. **22, Roma, 2002, 359-376.**
33. **M.I. Munteanu:** *Some results on CR-manifolds on 3-dimensional manifolds*, **Rend. Sem. Fac. Sci. Univ. Cagliari**, vol. **70, 2, 2000, 29-42.**
34. **P. Matzeu, M.I. Munteanu:** *Classification of almost contact structures associated with a pseudoconvex CR-structure*, **Riv. Mat. Univ. Parma**, (6) **3, 2000, 127-142.**
35. **M.I. Munteanu:** *New CR-structures on the Unit Tangent Bundle*, **Ann. Univ. Timisoara**, vol. **38, Fasc. 1, 2000, Seria Mat. Inf., 99-110.**
36. **M.I. Munteanu:** *Products of Almost Contact Manifolds*, **Buletinul Institutului Politehnic din Iasi**, Tomul XLIV (XLVIII), Fasc. **3-4, 1998, 1-7.**
37. **M.I. Munteanu:** *CR-structures on the Hypersurfaces of the Tangent Bundle*, **Italian J. of Pure and Applied Mathematics**, **N.7, 2000, 113-124.**
38. **M.I. Munteanu:** *CR-structures on the Unit Cotangent Bundle*, **An.St. ale Univ. A.I. Cuza` din Iasi**, Tomul XLIV, s.I.a, **Matematica 1998, f1, 125-136.**
39. **M.I. Munteanu:** *CR-structures on the Unit Tangent Bundle and Bochner Type Tensor*, **Ann. Univ. Bucuresti, Matematica**, An XLVII (1998), nr **1, 55-64.**

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40. **M.I. Munteanu:** *A survey on constant angle surfaces in homogeneous 3-dimensional spaces*, Proceedings of the Workshop on differential geometry and its applications, Iasi (Romania): September 2 - 4, 2009, Eds. D. Andrica and S. Moroianu, Cluj University Press, 2011, 109 - 123, **ISBN 978-973-595-235-8.**
41. * **M.I. Munteanu, A.I. Nistor:** *Polynomial Translation Weingarten Surfaces in 3-dimensional Euclidean space*, Proceedings of the VIII International Colloquium on Differential Geometry (E. Vidal Abascal centennial congress) and satellite of the 5th European Congress of Mathematics 2009, **ISBN 978-981-4261-16-6, World Scientific 2009, 316-320.**
42. **F. Dillen, M.I. Munteanu:** *Surfaces in $H^+ \times \mathbb{R}$* , Proceedings of the conference *Pure and Applied Differential Geometry*, PADGE 2007, Eds. Franki Dillen, Ignace Van de Woestyne, 185-193, **ISBN 978-3-8322-6759-9.**
43. **M.I. Munteanu:** *Old and New Structures on the Tangent Bundle*, Proceedings of the Eighth International Conference on Geometry, Integrability and Quantization, June 9-14, 2006, Varna, Bulgaria, Eds. I. M. Mladenov and M. de Leon, Sofia 2007, 264-278; **ISBN 978-954-8495-37-0.**
44. **M.I. Munteanu:** *Cheeger Gromoll type metrics on the tangent bundle*, Proceedings of the fifth international symposium BioMathsPhys, Iasi, June 16-17, 2006, U.A.S.V.M. Ion Ionescu de la Brad, 49 (2006) 2, 257 - 268.

45. **M.I. Munteanu:** *CR-structures of CR-codimension 2 on Hypersurfaces in Sasakian Manifolds*, Proceedings of the 9-th Conference of Differential Geometry and Its Applications, 2004, Charles University, Prague, Czech Republic, 153-159, **ISBN 80 - 86732 - 63 - 0**.
46. **M.I. Munteanu:** *CR-structures on the Translated Sphere Bundle*, Proceedings of the Third International Workshop on Differential Geometry and Its Applications, Sibiu-Romania, September 18-23, 1997, 277-280.

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Books

47. **M.I. Munteanu, A.I. Nistor:** *Algorithms of Triangulation*, lecture notes (in Romanian), 175pp, Demiurg Publishing House, 2008, **ISBN 978-973-152-059-9** .
48. **O. Constantinescu, M. Crasmareanu, M.I. Munteanu:** *Elements of Higher Geometry*, (in Romanian), 154pp, Matrix Rom Publishing House, 2007, **ISBN 978-973-755-288-4** .
49. **M.I. Munteanu:** *2D-Geometric Algorithms with applications in CAGD*, lecture notes (in Romanian), 229pp., “ Al.I.Cuza ” University Publishing House, 2005, **ISBN 973-703-805-0**.

Thesis

50. *Geometric Invariants Associated to Pseudoconvex CR-structures* (in Romanian)

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