

List of papers – Marian Ioan MUNTEANU – October 2014

Published in Journals

- [IM14] J. Inoguchi, M.I. Munteanu: *Magnetic maps*, **International Journal of Geometric Methods in Modern Physics**, 11 (2014) 6, art. 1450058.
- [JMN14] M. Jleli, M.I. Munteanu, A.I. Nistor: *Magnetic trajectories in an almost contact metric manifold R^{2N+1}* , **Results in Mathematics**, DOI: 10.1007/s00025-014-0398-y.
- [MN14] M.I. Munteanu, A.I. Nistor: *A note on magnetic curves on S^{2n+1}* , **Comptes Rendus Mathematiques**, 352 (2014) 5, 447 - 449.
- [Mun14] M.I. Munteanu: *The Landau Hall problem on canal surfaces*, **Journal of Mathematical Analysis and Applications**, 414 (2014) 2, 725 - 733.
- [FM14] Y. Fu, M.I. Munteanu: *Generalized constant ratio surfaces in E^3* , **Bull. Braz. Math. Soc.**, 45 (2014) 1, 73 - 90.
- [BM14] M. Babaarslan, M.I. Munteanu: *Time-like loxodromes on rotational surfaces in Minkowski 3-spaces*, **An.St. ale Univ. 'Al.I.Cuza' din Iasi**, (accepted). DOI: 10.2478/aicu-2013-0021.
- [LM14] R. Lopez, M.I. Munteanu: *Invariant surfaces in homogeneous space Sol with constant curvature*, **Mathematische Nachrichten**, 287 (2014) 8-9, 1013 - 1024.
- [MV14] M.I. Munteanu, L. Vrancken: *Minimal contact CR submanifolds in S^{2n+1} satisfying the $\delta(2)$ -Chen's equality*, **Journal of Geometry and Physics**, 75 (2014), 92 - 97.
- [Mun13] M.I. Munteanu: *Magnetic curves in the Euclidean space: one example, several approaches*, **Publications de l'Institut Mathematique (Beograd)**, 94 (108) (2013) 2, 141-150.
- [CM13] B.Y. Chen, M.I. Munteanu: *Biharmonic ideal hypersurfaces in Euclidean spaces*, **Differential Geometry and Its Applications** 31 (2013) 1, 1 - 16.
- [CHM13] M. Crasmareanu, C.E. Hretcanu, M.I. Munteanu: *Golden and Product shaped hypersurfaces in real space forms*, **International Journal of Geometric Methods in Modern Physics** 10 (2013) 4, art. 1320006, (9pp).
- [DRM13] S.L. Druta-Romaniuc, M.I. Munteanu: *Killing magnetic curves in a Minkowski space*, **Nonlinear Analysis: Real World Applications** 14 (2013) 1, 383 - 396.

- [CCM12]** C. Calin, M. Crasmareanu, **M.I. Munteanu**: *Slant curves in 3-dimensional f-Kenmotsu manifolds*, **Journal of Mathematical Analysis and Applications** 394 (2012) 1, 400-407.
- [ILM12]** J. Inoguchi, R. Lopez, **M.I. Munteanu**: *Minimal translation surfaces in the Heisenberg group Nil_3* , **Geometriae Dedicata** 161 (2012), 221 - 231.
- [ACM12]** P. Alegre, B.-Y. Chen, **M.I. Munteanu**: *Riemannian submersions, δ -invariants and Optimal inequality*, **Annals of Global Analysis and Geometry** 42 (2012) 3, 317 - 331.
- [CCMS12]** C. Calin, M. Crasmareanu, **M.I. Munteanu**, V. Saltarelli: *Semi-invariant $\xi|_1$ - submanifolds of generalized quasi-Sasakian manifold*, **Taiwanese Journal of Mathematics** 16 (2012) 6, 2053 - 2062.
- [MN12a]** **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.
- [CM12]** B.Y. Chen, **M.I. Munteanu**: *Geometry of PR-warped products in para-Kaehler manifolds*, **Taiwanese Journal of Mathematics** 16 (2012) 4, 1293 - 1327.
- [MN12b]** **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. 1250023 (16pp).
- [LM12]** R. Lopez, **M.I. Munteanu**: *Minimal translation surfaces in Sol_3* , **Journal of the Mathematical Society of Japan** 64 (2012) 3, 985 - 1003.
- [DRM11]** S.L. Druta-Romaniuc, **M.I. Munteanu**: *Magnetic curves corresponding to Killing magnetic fields in E^3* , **Journal of Mathematical Physics** 52 (2011) 11, art. 113506 (11pp).
- [LM11a]** R. Lopez, **M.I. Munteanu**: *On the geometry of constant angle surfaces in Sol_3* , **Kyushu Journal of Mathematics** , 65 (2011) 2, 237 - 249.
- [LM11b]** R. Lopez, **M.I. Munteanu**: *Surfaces with constant mean curvature in Sol geometry*, **Differential Geometry and Its Applications** 29 (2011), S238 -S245.
- [MN11a]** **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.
- [DMVV11]** 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.

- [MN11b]** 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.
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- [Mun10]** M.I. Munteanu: *From Golden Spirals to Constant Slope Surfaces*, **Journal of Mathematical Physics** 51 (2010) 7, art. 073507.
- [MN10]** 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.
- [MM10]** R. Mocanu, M.I. Munteanu: *Gray Curvature Identities for Almost Contact Metric Manifolds*, **Journal of the Korean Mathematical Society** 47 (2010) 3, 505-521.
- [MN09]** 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.
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- [Mun08a]** M.I. Munteanu: *Minimal submanifolds in R^4 with a g.c.K. structure*, **Czechoslovak Mathematical Journal** 58 (2008) 1, 61-78.
- [Mun08b]** 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.
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- [Mun07b]** M.I. Munteanu: *Doubly Warped Product CR-Submanifolds in Locally Conformal Kaehler Manifolds*, **Monatshefte fur Mathematik** 150 (2007) 4, 333-342.

- [Mun06] M.I. Munteanu: *New aspects on CR-structures of codimension 2 on Hypersurfaces of Sasakian Manifolds*, **Archivum Mathematicum (Brno)**, 42 (2006) 1, 69-84.
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- [Mun03] M.I. Munteanu: *Harmonicity and gauge transformation in dimension 3*, **J. of Geometry** 77, 2003, 140-151.
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- [Mun00a] M.I. Munteanu: *Some results on CR-manifolds on 3-dimensional manifolds*, **Rend. Sem. Fac. Sci. Univ. Cagliari**, vol.70, 2, 2000, 29-42.
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- [Mun00b] M.I. Munteanu: *New CR-structures on the Unit Tangent Bundle*, **Ann. Univ. Timisoara**, vol.38, Fasc. 1, 2000, Seria Mat. Inf., 99-110.
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[MN13p] **M.I. Munteanu**, A.I. Nistor: *Magnetic trajectories in a non-flat R^5 have order 5*, Proceedings of the conference *Pure and Applied Differential Geometry*, PADGE 2012, Eds. J. Van der Veken, I. Van de Woestyne, L. Verstraelen, L. Vrancken, Shaker Verlag Aachen 2013, 224-231. **ISBN 978-3-8440-2363-3**.

[Mun11p] **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**.

[MN09p] **M.I. Munteanu**, A.I. Nistor: *Polynomial Translation Weingarten Surfaces in 3-dimensional Euclidean space*, Proceedings of the 8th International Colloquium on Differential Geometry (E. Vidal Abascal centennial congress) and satellite of the 5th European Congress of Mathematics 2009, World Scientific 2009, 316-320, **ISBN 978-981-4261-16-6**.

[DM07p] **F. Dillen**, **M.I. Munteanu**: *Surfaces in $H^+ \times R$* , 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**.

[Mun07p] **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**.

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[Mun04p] **M.I. Munteanu**: *CR-structures of CR-codimension 2 on Hypersurfaces in Sasakian Manifolds*, Proceedings of the 9th Conference of Differential Geometry and Its Applications, 2004, Charles University, Prague, Czech Republic, 153-159, **ISBN 80 - 86732 - 63 - 0**.

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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.

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S.L. Druta-Romaniuc, J. Inoguchi, M.I. Munteanu, A.I. Nistor: *Magnetic curves in Sasakian and cosymplectic manifolds*, **submitted.**

J. Inoguchi, M.I. Munteanu: *Periodic magnetic curves in Berger spheres*, **submitted.**

M.I. Munteanu, A.I. Nistor: *Magnetic curves on quasi-Sasakian manifolds*, **submitted.**

M. Jleli, M.I. Munteanu: *Magnetic curves on flat para-Kaehler manifolds*, **submitted.**

G. Calvaruso, M.I. Munteanu: *Hopf magnetic curves in the anti-de Sitter space H^3_1* , **submitted.**

G. Calvaruso, M.I. Munteanu, A. Peronne: *Killing magnetic curves on three dimensional almost paracontact manifolds*, **in progress.**

J. Inoguchi, M.I. Munteanu: *Magnetic trajectories on tangent sphere bundles*, **in progress.**

M.I. Munteanu, O. Palmas, G. Ruiz-Hernandez: *Translation hypersurfaces in Euclidean spaces*, **in progress.**

M. Moruz, M.I. Munteanu: *Minimal translation hypersurfaces in E^4* , **in progress.**