

# List of published papers

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## 1°. PhD Thesis

1. Ariana Pitea: *Integral Geometry and PDE Constrained Optimization Problems*, Univ. "Politehnica" of Bucharest (2008)

## 2°. Published articles (in WoS)

1. Ariana Pitea: Results on some classes of vector variational inequalities, *J. Nonlinear Convex Anal.*, **19**(2018), No. 3, 417-432, WOS:000432337900005.
2. T. Antczak, Ariana Pitea: Parametric approach to multitime multiobjective fractional variational problems under  $(F, \rho)$ -convexity, *Optimal Control Appl. Methods*, **37**(2016), No. 5, 831-847, WOS:000383580000001.
3. E. Karapınar, Ariana Pitea: On alpha-psi-Geraghty contraction type mappings, *J. Nonlinear Convex Anal.*, **17**(2016), No. 7, 1291-1301, WOS:000382100200005.
4. W. Sintunavarat, Ariana Pitea: On a new iteration scheme for numerical reckoning fixed points of Berinde mappings with convergence analysis, *J. Nonlinear Sci. Appl.*, **9**(2016), No. 5, 2553-2562, WOS:000376724600053.
5. W. Shatanawi, A. Bataihah, Ariana Pitea: Fixed and common fixed point results for cyclic mappings of  $\Omega$ -distance, *J. Nonlinear Sci. Appl.*, **9**(2016), No. 3, 727-735, WOS:000367405200002.
6. A. Bejenaru, Ariana Pitea: Fixed point and best proximity point theorems on partial metric spaces, *J. Math. Anal.*, **7**(2016), No. 4, 25-44, WOS:000389637700003.
7. W. Shatanawi, Ariana Pitea: Best proximity point and best proximity coupled point in a complete metric space with (P)-property, *Filomat*, **29**(2015), No. 1, 63-74, WOS:000355844100008.
8. A.M. Miandaragh, Ariana Pitea, Sh. Rezapour: Some approximate fixed point results for proximal valued beta-contractive multifunctions, *Bull. Iranian Math. Soc.*, **41**(2015), No. 5, 1161-1172, WOS:000364956100009.
9. Ariana Pitea, T. Antczak: Proper efficiency and duality for a new class of nonconvex multitime multiobjective variational problems, *J. Inequal. Appl.*, Vol. 2014, Art. No. 333, WOS:000347471900006.

10. W. Shatanawi, Ariana Pitea, R. Lazovic: Contraction conditions using comparison functions on b-metric spaces, *Fixed Point Theory Appl.*, Vol. 2014, Art. No. 135, WOS:000338278000006.
11. W. Shatanawi, Ariana Pitea: Fixed and coupled fixed point theorems of  $\Omega$ -distance for nonlinear contraction, *Fixed Point Theory Appl.*, Vol. 2013, Art. No. 275, WOS:000326863500001.
12. W. Shatanawi, Ariana Pitea: Omega-distance and coupled fixed point in G-metric spaces, *Fixed Point Theory Appl.*, Vol. 2013, Art. No. 208, WOS:000324425700001.
13. W. Shatanawi, Ariana Pitea: Some coupled fixed point theorems in quasi-partial metric spaces, *Fixed Point Theory Appl.*, Vol. 2013, Art. No. 153, WOS:000321068500002.
14. Ariana Pitea, M. Postolache: Duality theorems for a new class of multitime multiobjective variational problems, *J. Glob. Optim.*, **54**(2012), No. 1, 47-58, WOS:000307289300004 .
15. Ariana Pitea, M. Postolache: Minimization of vectors of curvilinear functionals on the second order jet bundle. Necessary conditions, *Optim. Lett.*, **6**(2012), No. 3, 459-470, WOS:000300849900008.
16. Ariana Pitea, M. Postolache: Minimization of vectors of curvilinear functionals on the second order jet bundle. Sufficient efficiency conditions, *Optim. Lett.*, **6**(2012), No. 8, 1657-1669, WOS:000315348000007.
17. Ariana Pitea: A geometric study of some equations of Mathematical Physics, *Int. J. Geom. Methods Mod. Phys.*, **9**(2012), No. 4, Art. No. 1250030, WOS:000303397600009.
18. Ariana Pitea: On new classes of explicit quasi-Einstein Riemannian manifolds, *Int. J. Geom. Methods Mod. Phys.*, **9**(2012), No. 8, Art. No. 1220015, WOS:000310463300002.
19. Ariana Pitea: Sufficient efficiency conditions for ratio vector problem on the second order jet bundle, *Abstr. Appl. Anal.*, Vol. 2012, Art. ID 713765, WOS:000303734100001.
20. Ariana Pitea: A study of some general problems of Dieudonné-Rashevski type, *Abstr. Appl. Anal.*, Vol. 2012, Art. ID 592804, WOS:000303731500001.
21. C. Udriște, Ariana Pitea: Optimization problems via second order Lagrangians, *Balkan J. Geom. Appl.*, **16**(2011), No. 2, 174-185, WOS:000289683600017.
22. Șt. Mititelu, Ariana Pitea, M. Postolache: On a class of multitime variational problems with isoperimetric constraints, *U. Politeh. Buch. Ser. A*, **72**(2010), No. 3, 31-40, WOS:000282020500004.
23. Ariana Pitea, C. Udriște: Sufficient efficiency conditions for a minimizing fractional program, *U. Politeh. Buch. Ser. A*, **72**(2010), No. 2, 13-20, WOS:000278871400002.
24. Ariana Pitea, M. Postolache: Advances on affine vector fields, *Carpathian J. Math.*, **25**(2009), No. 2, 197-202, WOS:000271005900008.
25. Ariana Pitea, C. Udriște, Șt. Mititelu: PDI & PDE-constrained optimization problems with curvilinear functional quotients as objective vectors, *Balkan J. Geom. Appl.*, **14**(2009), No. 2, 75-88, WOS:000270428800009.
26. Ariana Pitea: On efficiency conditions for new constrained minimum problems, *U. Politeh. Buch. Ser. A*, **71**(2009), No. 3, 61-68, WOS:000268816300006.
27. C. Udriste, Ariana Pitea, J. Mihăilă: Determination of metrics by boundary energy, *Balkan J. Geom. Appl.*, **11**(2006), No. 1, 131-143, WOS:000204272200016.