

## **Lista lucrărilor științifice în domeniul disciplinelor din postul didactic**

### **A. Teza de doctorat**

Generalization of some results of Riemannian geometry to Finsler geometry (summa cum laudae- Debrecen University, 2002)

### **B. Cărți și capitole în cărți publicate în ultimii 10 ani**

1. Ioan Radu Peter, Szilard Laszlo, Adrian Viorel Elements of Linear Algebra, cu, UTPress, U.T. PRESS Cluj-Napoca, 2014, ISBN 978-973-662-935-8

### **C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani**

1. Ioan Radu Peter and Csaba Varga, Sufficient criteria for obtaining Hardy inequalities on Finsler manifolds, Mediterranean Journal of Mathematics, vol.18, no2, pg 1-22, 2021
2. Pengrong Yan, Tai Wang, Monica L. Guzman, Radu I. Peter, Gabriela Chiosis, Chaperome Networks–Redundancy and Implications for Cancer Treatment, Adv Exp Med Biol. 2020; 1243: 87–99.doi: 10.1007/978-3-030-40204-4\_6, 2020
3. Ioan Radu Peter, A bound of the Finslerian Ricci scalar, Mediterranean Journal of Mathematics, in press, DOI: 10.1007/s00009-018-1180-, 2018
4. Rodina, A., Wang, T., Yan, P., Gomes, E.D., Dunphy, M.P.S., Pillarsetty, N., Koren, J., Gerecitano, J.F., Taldone, T., Zong, H., Caldas-Lopes, E., Alpaugh, M., Corben, A., Riolo, M., Beattie, B., Pressl, C., Peter, R.I., Xu, C., Trondl, R., Patel, H.J., Shimizu, F., Bolaender, A., Yang, C., Panchal, P., Farooq, M.F., Kishinevsky, S., Modi, S., Lin, O., Chu, F., Patil, S., Erdjument-Bromage, H., Zanzonico, P., Hudis, C., Studer, L., Roboz, G.J., Cesarman, E., Cerchietti, L., Levine, R., Melnick, A., Larson, S.M., Lewis, J.S., Guzman, M.L., Chiosis, G., The epichaperome is an integrated chaperome network that facilitates tumour survival, Nature, 538 (7625), pp. 397-401, 2016
5. Marian D. , Peter I.R , Pinteă C. Operations with monotone operators and the monotonicity of the resulting operators, (cu Daniela Marian, Cornel Pinteă), Monatshefte für Mathematik, 181(1), pp 143–168 , 2016
6. Ioan Radu Peter, Cornel Pinteă, Necessary conditions for finite critical sets. Maps with infinite critical sets, Topological Methods in Nonlinear Analysis, 47 (2), pp. 739-749., 2016
7. Mihai Negru, Sergiu Nedevschi, Ioan Radu Peter, Exponential Contrast Restoration in Fog Conditions for Driving Assistance, IEEE Transactions on Intelligent Transportation Systems, 16 (4), art. no. 7056488, pp. 2257-2268, 2015
8. Marian, Daniela; Peter, Ioan Radu; Pinteă, Cornel, A class of generalized monotone operators, Journal of Mathematical Analysis and Applications, 421 (2), pp. 1827-1843, 2015
9. Anastasiei, Mihai; Peter, Ioan Radu, A compactness theorem in Finsler geometry, Publicationes Mathematicae, 84 (1-2), pp. 75-88, 2014

10. Komal Jhaveri, Stefan O Ochiana, Mark PS Dunphy, John F Gerecitano, Adriana D Corben, Radu I Peter, Yelena Y Janjigian, Erica M Gomes-DaGama, John Koren III, Shanu Modi, Gabriela Chiosis. Heat shock protein 90 inhibitors in the treatment of cancer: current status and future directions, 23(5), pp. 611-628, 2014
11. Peter, Ioan Radu; Popa, Dorian, Stability of points in mean value theorems, Publicationes Mathematicae, 83 (3), pp. 375-384, 2013

**D. Lucrări publicate în ultimii 10 ani în reviste și volume de conferințe cu referenți (neindexate)**

**- Reviste**

1. Image Enhancement in Daytime Fog Conditions, M Negru, S Nedevschi, R I Peter, Automation, Computers, Applied Mathematics (ACAM), 21(2), 129-136 (2012) 1

**- Selecție cu maximum 20 lucrări în volume de conferințe**

1. Exponential image enhancement in daytime fog conditions, Mihai Negru, Sergiu Nedevschi, Radu Ioan Peter, 2014/10/, Conference on Intelligent Transportation Systems (ITSC), 2014 IEEE 17th International ,Pages 1675-1681
2. Interactive particle-based simulation of sociophysics models, Adrian Sabou, Dorian Gorgan, Ioan Radu Peter, 2014/9/4 Intelligent Computer Communication and Processing (ICCP), 2014 IEEE International Conference on. Pages 411-416
3. MPI-Based Asynchronous Simulation of Spiking Neural Networks on the Grid, Marius Joldos, Octavian Vinteler, Ioan Radu Peter, Ioan Lucian Munteanu, 2013/9/23, Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), 2013 15th International Symposium on,Pages 481-487
4. Distributed dynamics analysis of spiking neural network simulations, Ioan Lucian Muntean, Marius Joldos, Radu Ioan Peter, 2012/10/25, Tier 2 Federation Grid, Cloud & High Performance Computing Science (RO- LCG), 2012 5th Romania, pages45-48
5. Dynamics Analysis of Parallel Simulations of the Spike Response Model, Ioan Lucian Muntean, Radu Ioan Peter, Marius Joldos, 2012, (SYNASC), 2012 14th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, 481 - 486
6. PCA type algorithm applied in face recognition, Sergiu Nedevschi, Ioan Radu Peter, Adina Mandrut, 2012 IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), Pages 167 - 171
7. Performance prediction using Kernel Canonical Correlation Analysis, Sergiu Nedevschi, Ioan Radu Peter, Adina Mandrut, 2011/8/25, Intelligent Computer Communication and Processing (ICCP), 2011 IEEE International Conference on , Pages 157-162

**E. Brevete obținute în întreaga activitate**

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**Semnătura:**

*Peter Radu*