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*Facultatea de Automatică și Calculatoare*  
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## **Lista Publicatiilor**

**Ioan Radu Peter**

### ***Teza Doctorat:***

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

### ***Carti***

1. I. R. Peter, Global aspects in Finsler geometry, 2006 Mediamira
2. 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

### ***Articole in reviste ISI***

1. *Suhasini Joshi, Erica DaGama Gomes, Tai Wang, Adriana Corben, Tony Taldone, Srinivasa Gandu, Chao Xu, Sahil Sharma, Salma Buddaseth, Pengrong Yan, Lon Yin L Chan, Askan Gokce, Vinagolu K Rajasekhar, Lisa Shrestha, Palak Panchal, Justina Almodovar, Chander S Digwal, Anna Rodina, Swathi Merugu, NagaVaraKishore Pillarsetty, Vlad Miclea, **Radu I Peter**, Wanyan Wang, Stephen D Ginsberg, Laura Tang, Marissa Mattar, Elisa de Stanchina, Kenneth H Yu, Maeve Lowery, Olivera Grbovic-Huezo, Eileen M O'Reilly, Yelena Janjigian, John H Healey, William R Jarnagin, Peter J Allen, Chris Sander, Hediye Erdjument-Bromage, Thomas A Neubert, Steven D Leach, Gabriela Chiosis; Pharmacologically controlling protein-protein interactions through epichaperomes for therapeutic vulnerability in cancer. *Commun Biol* 4, 1333 (2021).*
2. 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.

3. 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](https://doi.org/10.1007/978-3-030-40204-4_6)
4. *Ioan Radu Peter*, A bound of the Finslerian Ricci scalar, *Mediterranean Journal of Mathematics*, in press, DOI: 10.1007/s00009-018-1180-
5. *Mihai Anastasiei, Ioan Radu Peter Laszlo Kozma*, Applications of Morse Index in Finsler Geometry, *Publicationes Mathematicae*, 57 (1-2), pp. 193-201. ISSN: 0033-3883
6. *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., Cerchiatti, 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.
7. *Marian D. , Peter I.R , Pinteá C.* Operations with monotone operators and the monotonicity of the resulting operators, (*cu Daniela Marian, Cornel Pinteá*), *Monatshefte für Mathematik*, 181(1), pp 143–168
8. *Ioan Radu Peter, Cornel Pinteá*, Necessary conditions for finite critical sets. Maps with infinite critical sets, *Topological Methods in Nonlinear Analysis*, 47 (2), pp. 739-749.
9. *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.
10. *Marian, Daniela; Peter, Ioan Radu; Pinteá, Cornel*, A class of generalized monotone operators, *Journal of Mathematical Analysis and Applications*, 421 (2), pp. 1827-1843.
11. *Anastasiei, Mihai; Peter, Ioan Radu*, A compactness theorem in Finsler geometry, *Publicationes Mathematicae*, 84 (1-2), pp. 75-88.
12. *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*

13. *Peter, Ioan Radu; Popa, Dorian, Stability of points in mean value theorems, Publicationes Mathematicae, 83 (3), pp. 375-384.*
14. *Peter Ioan Radu, Some connectedness problems in positively curved Finsler manifolds, Journal of Geometry and Physics, 59 (1), pp. 54-62.*
15. *Kozma Laszlo, Ioan Radu Peter, Weinstein's theorem for Finsler manifolds, Kyoto Journal of Mathematics, 46 (2), pp. 377-382.*
16. *Kozma, László; Peter, Ioan Radu; Shimada, Hideo, On the twisted product of Finsler manifolds, Reports on Mathematical Physics, 57 (3), pp. 375-383.*
17. *Ioan Radu Peter, On the Morse index theorem where the ends are submanifolds in Finsler geometry, Houston Journal of Mathematics, 32 (4), pp. 995-1009.*
18. *Ioan Radu Peter, Coincidence of correspondences in Kähler-Finsler manifolds, Publicationes Mathematicae, 61 (3-4), pp.*
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20. *A connectedness principle for positively curved Finsler manifolds, Advanced Studies in Pure Mathematics, Mathematical Society of Japan (2007) 111-125.*

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21. *Warped product of Finsler manifolds, (cu László Kozma and Csaba Varga), Ann. Univ. Sci. Budapest 44(2001), 157-170. MR1917709 (2003g:53025)*
22. *Polyholomorphic functions (cu Popa Dorian), Automation Computer Science and Applied Mathematics 10(1-2): 51-55, 2001.*

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23. Doubly warped product of Finsler manifolds, (cu László Kozma and Csaba Varga), *Lagrange and Hamilton geometries and their applications*, editor Radu Miron, Fair Partners Publishers, Bucharest, 145-153, 2004 .

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25. 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
26. 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
27. 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
28. 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
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30. 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*
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32. An improved PCA type algorithm applied in face recognition, *Sergiu Nedevschi, Ioan Radu Peter, I-A Dobos, Cristina Prodan*, 2010/8/26, Intelligent Computer Communication and Processing (ICCP), 2010 IEEE International Conference on,Pages 259-262
33. Optical flow a combined local-global approach using L1 norm, *Marius Drulea, Ioan Radu Peter, Sergiu Nedevschi*, 2010/8/26 Intelligent Computer Communication and Processing (ICCP), 2010 IEEE International Conference on, Pages 217-222

***Alte articole***

- 34.** Group actions, (cu Adrian VasIU), *Didactica Matematicii*, 1989, vol. 5, p. 215-222 (in Romanian)
- 35.** . Triangular functions and applications (in Romanian), *Revista Matematică a elevilor din Timișoara*, nr. 2, 1985, p. 1-6.

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