

LISTA DE LUCRĂRI ȘTIINȚIFICE
FACULTATEA DE ȘTIINTE EXACTE
GAȘPAR OCTAVIAN-PĂSTOREL

A. Cărți

A.1 Cărți apărute la edituri recunoscute CNCS

1. N. Breaz, M. Crăciun, **P. Gașpar**, M. Miroiu, I. Paraschiv-Munteanu, *Modelarea matematică prin Matlab*, Ed. StudIS, 2013, ISBN 978-606-624-303-2.
2. D. Breaz, N. Suciu, **P. Gașpar**, Gh. Barbu, M. Parvan, V. Prepelita, N. Breaz, *Transformari integrale si functii complexe cu aplicatii in tehnica, Vol.1 Functii complexe cu aplicatii in tehnica*, Ed. StudIS, 2013.
3. D. Gașpar, **P. Gașpar**, *Analiză funcțională*, Editura de Vest, 2010, ISBN 978-973-0500-3.
4. **P. Gașpar**, *Analiza armonică a proceselor staționare*, Ed. Univ. de Vest, Timișoara, 2008, ISBN 978-973-125-138-7.

A.3 Capitle în cărți apărute la edituri recunoscute CNCS

1. *Enciclopedie Matematică*, M. Iosifescu, O. Stanășilă, D. Ștefănoiu editori, Editura A.G.I.R., 2010, **Capitolul 8. Analiză Complexă**, D. Gașpar, **P. Gașpar**, ISBN 978-973-720-288-8.

B. Articole

B.1 Articole publicate în reviste indexate/cotate ISI

1. **P. Gașpar**, *On Random Normal Operators and Their Spectral Measures*, J. Theor. Probab. 32 (4), 2019, pp. 2088 – 2110.

2. **P.Gaşpar**, L. Popa, *Stochastic mappings and random distribution fields. A correlation approach*, Monatshefte f. Mathematik, 188 (1), 2019, pp. 87 – 107.
3. **P.Gaşpar**, L. Popa, *Stochastic mappings and random distribution fields II. Stationarity*, Mediterr. J. Math., vol. 13 (4), 2016, pp. 2229 – 2252.
4. **P.Gaşpar**, L. Popa, *Stochastic mappings and random distribution fields III. Module propagators and uniformly bounded linear stationarity*, J. Math. Anal. Appl., vol. 435 (2), 2016, pp. 1229 – 1240.
5. **P. Gaşpar**, L. Sida, *Periodically correlated multivariate second order random distribution fields and stationary cross correlatedness*, J. Funct. Anal., vol. 267 (7), 2014, pp. 2253 – 2263.
6. D. Gaşpar, **P. Gaşpar**, *Unitary model and Wold decompositions for bi - isometries*, Int. Eq. And Op. Theory, 4, 2004, pp. 1 – 16.

B.2 Articole publicate în reviste indexate în baze de date internaționale, altele decât ISI

1. L. Ciurdariu, **P. Gaşpar**, *Finite Systems of Commuting Gramian Isometries*, Analele Universității de Vest, Timișoara, Seria Matematică-Informatică, vol. XLVI, fasc. 2, 2008, pag. 57 – 74.
2. D. Gaşpar, **P. Gaşpar**, N. Lupa, *Dilations on locally Hilbert spaces*, Topics in Mathematics Computer Science and Philosophy, A Festschrift for Wolfgang W. Breckner on his 65th Anniversary, Presa Universitară Clujeană, 2008.
3. D. Gaşpar, **P. Gaşpar**, *Reproducing kernel Hilbert modules over locally C^* -algebras*, Analele Universitatii de Vest Timisoara, Seria Matem.-Inform., vol. XLV, fasc. 1, 2007, pag. 245 – 252.
4. D. Gaşpar, **P. Gaşpar**, *Reproducing kernel Hilbert $B(X)$ - modules*, Anal. Univ. de Vest Timisoara, Ser. Matem. - Inform., vol. XLIII, fasc. 2, 2005, pg. 47 – 71.
5. **P. Gaşpar**, *Completely bounded operators on Hilbert $B(X)$ - modules*, Analele Univ. de Vest Timisoara, Ser. Matem. - Inform., vol. XLII, fasc. 2, 2004, pag. 35 – 44
6. **P. Gaşpar**, *On operator periodically correlated random fields*, Operator Theory: Adv. And Appl., vol. 153, Birkhäuser Verlag, 2004, pag. 143 – 156
7. A. Crăciunescu, **P. Gaşpar**, *Remarks on a theorem of B. Yood*, Analele Univ. de Vest Timisoara, Ser. Matem. - Inform., vol. XLI, fasc. 2, 2003, pag. 23 – 33

8. **P. Gaşpar**, *Multi - isometries on Loynes spaces*, Analele Univ. de Vest Timisoara, Ser. Matem. - Inform., vol. XLI, fasc. 1, 2003, pag. 65 – 86
9. D. Gaşpar, **P. Gaşpar**, *On normal Hilbert $B(X)$ - modules*, Analele Univ. de Vest Timisoara, Ser. Matem. - Inform., vol. XLI, fasc. 1, 2003, pag. 49 – 64
10. D. Gaşpar, **P. Gaşpar**, *An operatorial model for Hilbert $B(X)$ - modules*, Analele Univ. de Vest Timisoara, Ser. Matem. - Inform., vol. XL, fasc. 2, 2002, pag. 15 – 30.
11. **P. Gaşpar**, *Partial isometries on Loynes spaces*, Analele Univ. de Vest Timisoara, Ser. Matem. - Inform., vol XL, fasc. 2, 2002, pag. 31 – 48.

C. Lucrari ştiinţifice prezentate la congrese/conferinţe

C.1 Lucrari ştiinţifice prezentate la congrese/conferinţe şi publicate în volume ISI Proceedings

1. V. Dragoi, S.R. Cowell, S. Hoara, **P. Gaşpar**, and V. Beiu, *Can Series and Parallel Compositions Improve on Hammocks?*, IEEE International Conference on Computers Communications and Control ICCCC'18 Baile Felix/Oradea, Romania, May 08-12, 2018, pp. 124–130 <https://doi.org/10.1109/ICCCC.2018.8390448>
2. V. Beiu, S.R. Cowell, V. Dragoi, S. Hoara, and **P. Gaşpar**, *Hammocks versus Hammock*, IEEE International Conference on Computers Communications and Control ICCCC'18, Baile Felix/Oradea, Romania, May 08-12, 2018, pp. 119–123, <https://doi.org/10.1109/ICCCC.2018.8390447>
3. I. Valuşescu, **P. Gaşpar**, *On Uniformly bounded linearly Γ – stationary processes*, Numerical Analysis and Applied Mathematics, International Conference on Numerical Analysis and Applied Mathematics, Rhodes, Grece, 19 – 25 September, 2010, ed. By Th. E. Simons and G. Psihoyios and Ch. Tsitouras, Melville, New York, 2010, AIP Conference Proceedings, **1281**, 432 (2010).

C.2 Lucrari ştiinţifice prezentate la congrese/conferinţe altele decât ISI Proceedings

1. D. Gaşpar, N. Suciu, D. Popovici, **P. Gaşpar**, *On the structure of discrete two time parameter stationary processes*, Proceedings of MTNS '2000, Perpignan, Electronic publication (CD-ROM), B239

2. D. Gaşpar, **P. Gaşpar**, *A Hilbert module like treatment of Banach space valued stationary processes*, Proceedings CD MTNS '08, July 28 – August 1, Blacksburg, Virginia, USA, <http://www.cpe.vt.edu/mtns08>
3. **P. Gaşpar**, *On two time continuous parameter periodically correlated processes*, Proceedings of the National Conf. on Math. An. and Appl., ed. by M. Megan and N. Suci, Editura Universitatii de Vest, 2001, pag. 107 – 117
4. **P. Gaşpar**, *On some structure issues of abstract stochastic processes*, Proc. of the Conferența of the Romanian Mathematical Society, Lugoj, May 2005
5. **P. Gaşpar**, *Abstract random fields and their Wold structure*, Proceedings of The International Symposium Research and Education in Innovation Era, Arad, 16 - 18 Nov. 2006, S. Nadaban and C. Stoica Editors, Ed. Mirton, Timisoara, 2007, pag. 31 – 42
6. **P. Gaşpar**, L. Popa, *On stationary multivalued random fields distributions*, Research and Education in Innovation Era, 2nd Edition, Arad, November 21 – 22, 2008
7. **P. Gaşpar**, L. Popa, *Fourier transform and two-time discrete random fields*, Research and Education in Innovation Era, 2nd Edition, Arad, November 21 – 22, 2008
8. **P. Gaşpar**, L. Popa, *On tensor products of topological linear spaces*, Proceedings of the International Symposium Research and Education in Innovation Era, Third Edition, Arad, November 11 -12th, 2010, pag. 98 - 102, 2010

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