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PUBLICATIONS

A) PhD Thesis

Spectral theory on quotient Hilbert spaces (în română *„Teorie spectrală pe spaţii Hilbert factor")*, West University of Timisoara, 2000.

B) Books and Monographs

1. **S. Nădăban**, *Matematici aplicate în economie*, Editia a II-a, Editura Mirton ,Timişoara, 2012, 180 pag., ISBN: 978-973-52-1275-9.
2. **S. Nădăban**, *Calculus- Elemente de calcul diferenţial şi integral*, Editura Mirton ,Timişoara, 2010, 133 pag., ISBN: 978-973-52-0931-5.
3. **S. Nădăban**, *Matematici aplicate în economie*, Editura Mirton ,Timişoara, 2010, 200 pag., ISBN: 978-973-52-0917-9.
4. **S. Nădăban**, *MathEco-exerciţii şi probleme*, Editia a II- a, Editura Mirton, Timişoara, 2008, 207 pag., ISBN: 978-973-52-0466-2.
5. **S. Nădăban**, A. Şandru, *Algoritmica grafurilor – Sinteze de curs şi aplicaţii*, Editura Mirton, Timişoara, 2007, 265 pag., ISBN: 978-973-52-0249-1.
6. **S. Nădăban**, *MathEco-exerciţii şi probleme*, Editura Mirton, Timişoara, 2007, 183 pag., ISBN: 978-973-52-0219-4.
7. **S. Nădăban**, *Teoria Probabilităţilor şi Statistică Matematică*, Editura Didactică şi Pedagogică, Bucureşti, 2007, 338 pag, ISBN: 978-973-30-1743-1.
8. **S. Nădăban**, *MathEco-Analiză Matematică*, Ediţia a 2-a, Editura Mirton, Timişoara, 2004, 290 p, ISBN: 973-661-492-1.
9. **S. Nădăban**, *MathEco-Analiză Matematică*, Editura Mirton, Timişoara, 2001, 290 pag., ISBN: 973-585-421-X.
10. **S. Nădăban**, *Spectral Theory on Quotient Spaces*, Editura Universităţii de Vest din Timişoara, Colecţia Monografii Matematice, Vol 73, 2001, 148 pag.

C) Editors

1. **S. Nădăban**, A. Palcu, C. Stoica, M. Tomescu, *Proceedings of the International Symposium „Research and Education in an Innovation Era" – Sections: Mathematics & Computer Science,* 5th Edition, Arad 05-07 November 2014, Editura Universităţii „Aurel Vlaicu", Arad, 95 pag., ISSN 2065 2569.
2. **S. Nădăban**, A. Palcu, C. Stoica, M. Tomescu, *Proceedings of the International Symposium „Research and Education in an Innovation Era" – Sections: Mathematics and Computer Science,* Fourth Edition, Arad 8-9 November 2012, Editura Universităţii „Aurel Vlaicu", Arad, 125 pag., ISSN 2065 2569.
3. **S. Nădăban**, C. Stoica, *Concursul de Matematică „Caius Iacob",* Editura Universităţii „Aurel Vlaicu", Arad, 2010, 83pag., ISBN 978-973-752-461-4.
4. **S. Nădăban**, M.L. Tomescu, *Proceedings of the International Symposium „Research and Education in an Innovation Era" – Sections: Computer Science, Mathematics, Didactics,* Third Edition, Arad 11-12 November 2010, Editura Universităţii „Aurel Vlaicu", Arad, 249 pag., ISSN 2065 2569.
5. **S. Nădăban**, C. Stoica, *Proceedings of the International Symposium „Research and Education in an Innovation Era" - Section Mathematics and Computer Science,* Second Edition, Arad 20-21 November 2008, Editura Universităţii „Aurel Vlaicu", Arad, 244 pag., ISSN 2065 2569.

6. **S. Nădăban**, C. Stoica, *Proceedings of the International Symposium „Research and Education in an Innovation Era" - Section Mathematics and Computer Science*, Arad 16-18 November 2006, Editura Mirton, Timişoara, 254 pag., ISBN 978-973-52-0108-1.

D) Scientific Papers

I. Scientific Papers in Web of Science

1. **S. Nădăban**, *Some fundamental properties of fuzzy linear relations between vector spaces*, Filomat, **30(1) (2016)**, 41-53.
2. **S. Nădăban**, *Fuzzy b-metric spaces,* International Journal of Computers Communications & Control, **11(2) (2016)**, 273-281.
3. **S. Nădăban**, I. Dzitac, *Some properties and applications of fuzzy quasi-pseudo-metric spaces*, Informatica, **27 (1) (2016)**, 141-159.
4. **S. Nădăban**, *Fuzzy pseudo-norms and fuzzy F-spaces*, Fuzzy Sets and Systems, **282 (2016)**, 99–114.
5. T. Bînzar, F. Pater, **S. Nădăban**, *On fuzzy normed algebras,* Journal of Nonlinear Sciences & Applications (JNSA), **9(9) (2016)**, 5488-5496.
6. **S. Nădăban**, *Fuzzy continuous mappings in fuzzy normed linear spaces,* International Journal of Computers Communications & Control*, **10 (6) (2015)**, 834-842.
7. **S. Nădăban**, *Fuzzy euclidean normed spaces for data mining applications,* International Journal of Computers Communications & Control*, **10 (1) (2015)**, 70-77.
8. **S. Nădăban**, I. Dzitac, *Atomic decompositions of fuzzy normed linear spaces for wavelet applications*, Informatica, **25 (2014)**, 643-662.
9. A. Palcu, **S. Nădăban**, A. Şandru, *Some on the Boson Mass Spectrum in a 3-3-1 Gauge Model,* Romanian Journal of Physics, **56 (2011)**, 673-681.

II. ISI Proceedings

1. **S. Nădăban**, S. Dzitac, I. Dzitac, *Fuzzy TOPSIS: A general view,* Information Technology and Quantitative Management (ITQM 2014), Procedia Computer Science, **91 (2016)**, 823-831.
2. **S. Nădăban**, S. Dzitac, *Neutrosophic TOPSIS: A general view*, 6th International Conference on Computer Communications and Control (ICCCC), IEEE Xplore **2016**, 250-253.
3. **S. Nădăban**, I. Dzitac, *Special Types of Fuzzy Relations,* Information Technology and Quantitative Management (ITQM 2014), Procedia Computer Science, **31C (2014)**, 552-557.

III. Scientific Papers in International Data Bases

1. **S. Nădăban**, T. Bînzar, F. Pater, C. Ţerei, S. Hoară, *Katsaras's type fuzzy norm under triangular norms*, Theory and Applications of Mathematics & Computer Science, **5(2) (2015)**, 148–157.
2. P. Gaşpar, **S. Nădăban**, L. Sida, *On vector valued periodic distributions*, Theory and Applications of Mathematics & Computer Science, **2(1) (2012)**, 1-9. [Zbl. 1288.60016]
3. **S. Nădăban**, *Isomorphism Theorems for Quotient Hilbert Spaces,* Analele Universităţii de Vest din Timişoara, Seria Matematică-Informatică, **45(2) (2007)**, 93-98. [MR 2978028]
4. **S. Nădăban**, *On the Spectrum of a Morphism in Quotient Hilbert Spaces,* Surveys in Mathematics and its Applications, **1 (2006)**, 13-22. [Zbl 1147.47006] [MR 2274288]

5. **S. Nădăban**, *A Special Subcategory in the Category of Quotient Banach Spaces,* Analele Universităţii de Vest din Timişoara, Seria Matematică-Informatică, **43(1) (2005)**, 73-82. [Zbl 1119.47309][MR 2363336]
6. **S. Nădăban**, *Fredholm Pairs Associated to Fredholm Complexes,* Proceedings of the Scientific Communications Meeting of „Aurel Vlaicu" University, Third Edition, Arad, **14A (1996)**, 99-103. [Zbl 0916.47011] [MR 1667978]

IV.   Scientific Papers in Proceeding of International Conferences

1. L.Sida, L. Popa, **S. Nădăban,** On Fuzzy quaternion numbers, Proceedings of the International Symposium „Research and Education in an Innovation Era", 6th Edition, Arad 8-10 December 2016, pag. 116-119.
2. **S. Nădăban**, A. Palcu, M. Tomescu, *Fuzzy metrizability of topological vector spaces,* Proceedings of the International Symposium „Research and Education in an Innovation Era", 4th Edition, Arad 8-9 November **2012**, pag. 1-6.
3. A. Palcu, **S. Nădăban**, A. Şandru, M. Tomescu, *Is the global symmetry L_e-L_μ-L_T suitable for the neutrino sector in gauge models?,* Proceedings of the International Symposium „Research and Education in an Innovation Era", 4th Edition, Arad 8-9 November **2012**, pag.97-104.
4. **S. Nădăban**, A. Palcu, M. Tomescu, *On Fuzzy Banach Spaces,* Proceedings of the International Symposium „Research and Education in an Innovation Era", Third Edition, Arad 11-12 November **2010**, 133-138.
5. **S. Nădăban**, A. Şandru, C. Fifor, *Sequences in Ordered Fields,* Proceedings of the International Symposium „Research and Education in an Innovation Era", Third Edition, Arad 11-12 November **2010**, 230-236.
6. M. Tomescu, **S. Nădăban**, A. Palcu, *Intelligent Control System,* Proceedings of the International Symposium „Research and Education in an Innovation Era", Third Edition, Arad 11-12 November **2010**, 89-97.
7. A. Palcu, **S. Nădăban**, A. Şandru, *SU(4) – a suitable candidate for the extension of the Standard Model,* Proceedings of the International Symposium „Research and Education in an Innovation Era", Third Edition, Arad 11-12 November **2010**, 114-123.
8. **S. Nădăban**, *Duality in Quotient Hilbert Spaces,* Proceedings of the International Symposium „Research and Education in an Innovation Era", Second Edition, Arad 20-21 November **2008**, 101-106.
9. **S. Nădăban**, *Paraclosed Morphisms in Quotient Hilbert Spaces,* Proceedings of the International Symposium „Research and Education in an Innovation Era", Arad 16-18 November **2006**, 74-81.

V.   Other Scientific Papers

1. **S. Nădăban**, *Positive Morphisms of Quotient Hilbert Spaces,* Bulletins for Applied & Computer Mathematics, BAM-CXII/**2008**, Nr 2358, Technical University of Budapest, pag. 67-76.
2. **S. Nădăban**, *The Local Spectrum of a Multi-morphism on Quotient Fréchet Spaces,* Proceedings of the 9th National Conference of the Romanian Mathematical Society, Lugoj 6-7 May, **2005**, pag. 236-248.
3. **S. Nădăban**, *On the Category qH,* Analele Universităţii „Aurel Vlaicu" din Arad, Seria Matematică-Informatică, **2004**, pag. 48-53.
4. **S. Nădăban**, *Examples of Morphisms Between Quotient Hilbert Spaces,* Proceedings of the National Conference on Mathematical Analysis and Applications, Timişoara 12-13 December, **2000**, pag. 215-221.
5. **S. Nădăban**, *Shifturi speciale,* Studia Universitatis „Vasile Goldiş", seria A, **6 (1996)**, 244-249.
6. **S. Nădăban,** *Spectrul operatorilor în spaţii Banach factor,* Studia Universitatis „Vasile Goldiş", seria A, **6 (1996)**, 250-255.
7. **S. Nădăban**, M. Nagy, *Joint Spectra for a Family of Paraclosed Morphisms on Quotient Banach Spaces,* Bulletins for Applied Mathematics, 1285/**1996**, Technical University Budapest, pag. 461-468.

8. M. Nagy, **S. Nădăban**, *A Statistical Point of View on the Repeatability of Heat Storage Measurements,* Bulletins for Applied Mathematics, 1284/**1996**, Technical University Budapest, pag. 453-460.

VI. Scientific Contributions to International Conferences

1. A. Szabo, **S. Nădăban**, T. Binzar, F. Pater, *Strict inclusions between some classes of fuzzy relations*, 14th International Conference of Numerical Analysis and Applied Mathematics, ICNAAM, 19-25 September 2016, Greece.
2. **S. Nădăban**, *Neutrosophic sets and their applications to MCDM problems,* 6th International Conference on Computers, Communications and Control, Oradea, 10-14 Mai, 2016.
3. **S. Nădăban**, T. Bînzar, F. Pater, *Bounded operators on fuzzy Banach spaces,* 25th International Conference on Operator Theory, Timişoara, June 30 – July 5, 2014.
4. **S. Nădăban**, *Mulţimi fuzzy*, Conferinta de Matematica „Tiberiu Popoviciu", Arad, 17 mai 2014.
5. **S. Nădăban**, *Fuzzy Euclidean Normed Spaces,* 5th International Conference on Computers, Communications and Control, Oradea, 6-10 Mai, 2014.
6. **S. Nădăban**, *A short history of fuzzy normed linear spaces,* International Workshop on Operator Theory and Applications, Arad, 28-30 October, 2013.
7. **S. Nădăban**, *Fuzzy F-normed linear spaces*, International Workshop on Functional Analysis, Timişoara, October 12-14, 2012.
8. C. Şchiopu, E.Şişu, V. Udrescu, **S. Nădăban**, C. Fifor, A. Zamfir, *Sistem informatic de operare pentru interpretarea spectrelor de masă a gangliozidelor din creierul uman,* Conferinţa Diaspora în Cercetarea Ştiinţifica Românească, Bucureşti 17-19 septembrie 2008.
9. C. Şchiopu, C. Mosoarca, E.Şişu, C. Fifor, **S. Nădăban**, Ž. Vukelic, A. Zamfir, *Optimization of novel in fragmentation techniques for polysialylated glycolipids,* The 5th Conference on Condensed Matter Physics, Timişoara 16-18 July 2008.
10. C. Şchiopu, E.Şişu, **S. Nădăban**, C. Fifor, Ž. Vukelic, A. Zamfir, *Computer software for the interpretation of brain ganglioside mass spectra,* International Symposium „Research and Education in an Innovation Era", Second Edition, Arad 20-21 November 2008.
11. **S. Nădăban**, P. Gaşpar, *On Discrete Periodically Correlated Random Fields,* A 21-a Conferinţă Internaţională de Teoria Operatorilor, Timişoara, 2006.
12. **S. Nădăban**, *The Local Spectrum for a Finite Family of Morphisms,* La „30 de ani de Invăţământ superior tehnic", Universitatea „Aurel Vlaicu" din Arad, 2002.
13. **S. Nădăban**, *Asupra spectrului unui morfism pe spaţii factor,* Conferinţa Naţională de Analiză Matematică, Universitatea Babeş-Bolyai din Cluj-Napoca, 2002.
14. **S. Nădăban**, *Asupra unor funcţii de producţie,* „Zilele Academice Arădene", Universitatea de Vest „Vasile Goldiş" din Arad, 2001.
15. **S. Nădăban**, *Local spectral theory for multi-morphisms of quotient Fréchet spaces,* 18th International Conference on Operator Theory, June 27- July 1, 2000, University of the West, Timişoara, România.
16. **S. Nădăban**, A. Terescenco, F. Turcu, *The Adjoint of a Morphism Between Quotient Hilbert Spaces,* A 17-a Conferinţă Internaţională de Teoria Operatorilor, Timişoara, 1998.

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