**PUBLICATIONS**

**Prof.univ.dr. Sorin NĂDĂBAN**

1. **Phd Thesis**

 *„Teorie spectrală pe spaţii Hilbert factor”*, susţinută în anul 2000 la Universitatea de Vest din Timișoara, sub coordonarea domnului profesor Dumitru Gașpar.

1. **Patents**
2. **Books**
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14. **Books coordination**
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16. **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.
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18. **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.
19. **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.
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22. **S. Nădăban**, S. Dzitac, I. Dzitac, *Fuzzy Normed Linear Spaces*. In: Shahbazova S., Sugeno M., Kacprzyk J. (eds) Recent Developments in Fuzzy Logic and Fuzzy Sets. Studies in Fuzziness and Soft Computing, vol 391. Springer, 2020.
23. **Articles**

**I. ISI Articles**

* 1. T. Binzar, F. Pater, **S. Nădăban**, *A study of boundedness in fuzzy normed linear spaces*, Symmetry- Basel, 11(7), Article number: 923, 2019.
	2. **S. Nădăban**, *Some fundamental properties of fuzzy linear relations between vector spaces*, Filomat, **30(1) (2016)**, 41-53.
	3. **S. Nădăban***, Fuzzy b-metric spaces,* International Journal of Computers Communications & Control, **11(2) (2016)**, 273-281.
	4. **S. Nădăban**, I. Dzitac, *Some properties and applications of fuzzy quasi-pseudo-metric spaces*, Informatica, **27 (1) (2016)**, 141-159.
	5. **S. Nădăban**, *Fuzzy pseudo-norms and fuzzy F-spaces*, Fuzzy Sets and Systems, **282 (2016)**, 99–114.
	6. T. Bînzar, F. Pater, **S. Nădăban,** *On fuzzy normed algebras,* Journal of Nonlinear Sciences & Applications (JNSA), **9(9) (2016)**, 5488-5496. IF: 1,34
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	10. 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.
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3. A. Szabo, T. Bînzar**, S. Nădăban**, F. Pater, [*Strict inclusions between some classes of fuzzy relations*](http://aip.scitation.org/doi/abs/10.1063/1.4992603)*,* Proceedings of the International Conference on Numerical Analysis and Applied Mathematics 2016 (ICNAAM-2016), Book Series: AIP Conference Proceedings, Volume 1863, Article Number: UNSP 430007-1. DOI: 10.1063/1.4992603.
4. **S. Nădăban**, S. Dzitac, I. Dzitac, *Fuzzy TOPSIS: A general view,* Promoting Busines Analytics ond Quantitive Management of Technology: 4th International Conference on Information Technology and Quantitative Management (ITQM 2014), Procedia Computer Science, **91 (2016)**, 823-831. DOIȘ 10.1016/j.procs.2016.07088
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10. P. Gașpar, **S. Nădăban**, L. Sida, *On vector valued periodic distributions*, Theory and Applications of Mathematics & Computer Science, **2(1) (2012)**, 1-9. [Zbl. 1288.60016]
11. **S. Nădăban***, Isomorphism Theorems for Quotient Hilbert Spaces,* Analele Universitǎţii de Vest din Timişoara, Seria Matematică-Informatică, **45(2) (2007)**, 93-98. [MR 2978028]
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15. **Conference Articles**
16. L. Popa, L. Sida, **S. Nădăban** ,I. Dzitac***,*** *Why Need for Fuzzy Logic in High School?,*Proceedings of the International Symposium „Research and Education in an Innovation Era”, 7th Edition, Arad, May 17th-20th, 2018, pag. 100-104.
17. 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.
18. **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.
19. A. Palcu, **S. Nădăban**, A. Şandru, M. Tomescu, *Is the global symmetry Le-Lμ-LT 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.
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21. **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.
22. 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.
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28. **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.
29. **S. Nădăban**, *On the Category qH,* Analele Universitǎţii „Aurel Vlaicu” din Arad, Seria Matematicǎ-Informaticǎ, **2004**, pag. 48-53.
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36. L. Popa, L. Sida, **S. Nădăban** ,I. Dzitac***,*** *Why Need for Fuzzy Logic in High School?,*International Symposium „Research and Education in an Innovation Era”, 7th Edition, Arad, May 17th-20th.
37. A. Szabo, T. Bînzar**, S. Nădăban**, F. Pater, *Some properties of fuzzy bounded sets in fuzzy normed linear spaces,* International Conference on Numerical Analysis and Applied Mathematics (ICNAAM-2017), SEP 25-20, 2017, Greece.
38. L.Sida, L. Popa, **S. Nădăban,** On Fuzzy quaternion numbers, International Symposium „Research and Education in an Innovation Era”, 6th Edition, Arad 8-10 December 2016.
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41. **S. Nădăban**, *Mulţimi fuzzy*, Conferinta de Matematica „Tiberiu Popoviciu”, Arad, 16 mai 2015.
42. **S. Nădăban**, T. Bînzar, F. Pater, *Bounded operators on fuzzy Banach spaces,* 25th International Conference on Operator Theory, Timișoara, June 30 – July 5, 2014.
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