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Gradul didactic: Lector universitar doctor
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L I S T A D E L U C R Ă R I P U B L I C A T E

A. Teza de doctorat și abilitare

Titlul de doctor în domeniul Matematica. /anul 2006

Titlul tezei de doctorat " Dependenta de date pentru ecuațiile funcțional diferențiale"

Atestatul de Abilitare și calitatea de conducător de doctorat în domeniul ... (OM nr. .../...)

B. Cărți și capitole în cărți

1. **I.M. Olaru**, A. Bucur, Ecuații cu derivate partiale : note de curs, Editura Universitatii „Lucian Blaga ” din Sibiu, 2009, ISBN 978-973-739-769-0.
2. A. Bucur, **I.M. Olaru** Ecuații diferențiale : note de curs, Editura Universitatii „Lucian Blaga ” din Sibiu, 2009, ISBN 978-973-739-770-0
3. **I.M. Olaru** *Dependenta de date pentru ecuații funcțional diferențiale*, Editura Universitatii Lucian Blaga din Sibiu, , 2009, ISBN 978-973-739-877-2

C. Lucrări indexate ISI / BDI

C1- Lucrări indexate ISI

1. Branga, A.N., **Olaru, I.M.** Generalized Contractions and Fixed Point Results in Spaces with Altering Metrics. Mathematics 2022, 10, 4083. <https://doi.org/10.3390/math10214083>
2. **Olaru, I.M** A New Contraction-Type Mapping on a Vectorial Dislocated Metric Space over Topological Modules, Axioms, Vol. 11 No. 8/2022
3. Branga, A.N. , **Olaru, I.M** Some Fixed Point Results in Spaces with Perturbed Metrics, Carpathian Journal of Mathematics, Vol.38, No. 3/2022, pp 641-654
4. **Olaru IM**, Secelean NA. A New Approach of Some Contractive Mappings on Metric Spaces. Mathematics. 2021; 9(12):1433. <https://doi.org/10.3390/math9121433>
5. Branga, A.N.; **Olaru, I.M.** An Application of the Fixed Point Theory to the Study of Monotonic Solutions for Systems of Differential Equations. Mathematics 2020, 8, 1183.
6. Branga, A.N.; **Olaru, I.M.** Cone Metric Spaces over Topological Modules and Fixed Point Theorems for Lipschitz Mappings. Mathematics 2020, 8, 724.
7. **Olaru, I.M.** & Branga, A.N. Some fixed point results in D^* -quasimetric spaces , J. Fixed Point Theory Appl. (2018) 20: 78. <https://doi.org/10.1007/s11784-018-0566-x>
8. **Olaru, I.M** A study of a nonlinear integral equation via weakly Picard operators , Fixed Point Theory, 16(2015), No. 1, 163-174
9. **Olaru, I.M** An integral equation related to an epidemic model via weakly Picard operators technique in a gauge space, Fixed Point Theory, 15(2014), No. 1, 179-188
10. **Olaru, I.M** , Secelean N.A, Vector comparison operators in cone metric spaces. Mathematical reports, Vol 16(2014), No. 3, pp 431-442
11. **Olaru, I.M** An integral equation via weakly Picard operators, Fixed Point Theory, Vol.11, No. 1/2010, pp.97-106
12. **Olaru, I.M** Generalization of an integral equation related to some epidemic model, Carpathian Journal of Mathematics, Vol.26, No. 26/2010, pp 92-96

1.

C2 - Lucrări indexate BDI

1. **Olaru, I.M**, and Adrian Branga. "Common fixed point results in bk-metric spaces." *Gen Math* 19.4 (2011): 51-59.
2. **Olaru, I.M**, Adrian Branga, and Anca Oprea. "Common fixed point results in b-cone metric spaces over topological vector spaces." *Gen. Math* 20.1 (2012): 57-67.
3. **Olaru, I.M** *Data dependence for some integral equations*, Studia Univ. Babes-Bolyai Cluj- Napoca, seria Mathematica, Vol. LV, No 2 /2010, pp159-166
4. **Olaru, I.M**, Vasilica Olaru. About Some Functional Integral Equations In Spaces With Perturbated Metric. *Journal of Science and Arts* 1 (2009): 21-23.
5. **Olaru, I.M** *Kalecki's model of business cycle. Data dependence.* Gen. Math. No2/2009 pp 67-72
6. **Olaru, I.M et all.** *The control agglomerations of an internet networkwith delay feedback*,Gen. Math. No1/2009.pp 59-63
7. **Olaru, I.M** *Data dependence for some functional differential equation in an Banach space*, Proceedings of "The 8th Romanian German on Approximation Theory and its Applications", Gen. Math./2008
8. **Olaru, I.M** *Differentiability with respect to parameter for Kalecki's model*, ACAM, Vol. 17/2008, No 1, pp 5-9
9. **Olaru, I.M** *An integral inequalities for convex functions*, Proceedings of "Mathematical inequalities", Gen. Math./2008
10. **Olaru, I.M** *Data dependence for some functional differential equations with both advanced and retarded arguments*, ACAM, Vol. 16/2007, No 1-2, pp 9-13
11. **Olaru, I.M** *Functional differential equations of mixed type , via weakly Picard Operators* , Studia Univ. Babes-Bolyai Cluj-Napoca, seria Mathematica, Vol. LI, No 2 /2006, pp 83-95.
12. **Olaru, I.M** *C_g asymptotic equivalence for some functional equation of type Volterra*, Gen. Math., vol 14, No 1/2006,pp 31-40
13. **Olaru, I.M** , V Olaru, *The multipoint model of the nuclear reactor dynamics, via weakly Picard operators*, Gen. Math, Vol. 14, No 3/2006.
14. **Olaru, I.M** *On some integral inequalities with modified argument and applications*, Gen. Math. Vol 13 No 1(2005), pp 99-108
15. **Olaru, I.M** *On some integral equation with deviating argument*,Studia Univ. Babes-Bolyai Cluj-Napoca,seria Mathematica, Vol. L, No 4 (2005) .pp 65-73.
16. **Olaru, I.M** *On some integral equation with deviating argument*,Studia Univ. Babes-Bolyai Cluj-Napoca,seria Mathematica, Vol. L, No 4 (2005), pp 65-73.
17. **Olaru, I.M** *Data dependence for some integral equations via weakly Picard operators*, Studia Univ. Babes-Bolyai Cluj-Napoca, seria Mathematica, Vol. L, No 3 /2005, pp 99-107.
18. **Olaru, I.M** *About some functional equations of Volterratype,via weakly Picard operators*, Analele Univ. de Vest din Timisoara, Vol.XLIII/2005, Fasc. 2, pp 125-132
19. **Olaru, I.M** *Data dependence for some integral equation via weakly Picard operators* , Gen.Math. Vol. 12, No 3(2004), pp31-36.
20. **Olaru, I.M** *Smooth dependence on parameters for some functionall differential equations*, Gen. Math. Vol 12, No 4 (2004), pp 23-28

D. Lucrări publicate în reviste și volume de conferințe cu referenți (neindexate)

D1- Lucrări publicate în reviste

- 1.
- 2.

D2- Lucrări publicate în volume de conferințe cu referenți

1. *Smooth dependence on parameters*, 10-11 decembrie 2004, Conference on nonlinear analysis and applied mathematics, Valahia University of Targoviste.
2. *The asymptotic equivalence of the differential equations with modified argument*, 15-18 septembrie 2005, ICTAMI, Alba-Iulia, Proceedings of international Conference on Theory and Applications of Mathematics and Informatics, Part 2, No 11/2006, pp 211-217.
3. *Data dependence for some differential equations with infinite delay retards*, 8-10 decembrie 2006, Conference on nonlinear analysis and applied mathematics, Valahia University of Targoviste,
4. *About the zeros of weakly Picard operators*, November, 9-10, 2007, Oradea, International Conference on Fundamental Sciences, Applied Mathematics and Computer Sciences, Proceedings of International Conference on Fundamental Sciences, Applied Mathematics and Computer Sciences, ICFS 2007, pp 45-49, ISBN 978-973-759-367-2
5. *Some Gronwall type inequalities with applications in data dependence for functional differential equations*, 2007, Conference on nonlinear analysis and applied mathematics, Valahia University of Targoviste, Journal of Science and Art, No1(2008), pp 83- 86.
6. *Generalizarea unei inegalități de la barajul OBMJ 2006*, 2007, Conference on nonlinear analysis and applied mathematics, Valahia University Targoviste, Journal of Science and Art, No1(2008), pp 81-82.
7. *Data dependence for some functional differential equation in an Banach spaces*, 28 May-1 June 2008, The 8th Romanian German on Aproximation Theory and its Applications, Sibiu .
8. *Differentiability with respect to parameter for the solution of Kalecki model*, 10-13, 2008, Baisoara, The twelfth international conference on applied mathematics and computer science, ACAM, Vol. 17/2008, No 1, pp 5-9.
9. *An integral inequalities for convex functions*, 2008, Sibiu, Mathematical Inequalities, Proceedins Gen. Math./2001
10. *About some functional integral equation in space with perturbated metric*, 2008, Oradea, The 16th Conference on Applied and Industrial Mathematics, Section 3 Functional Analysis and Equations with Partial Derivates.
11. *About some functional integral equations in spaces with perturbated metric*, 2008, Conference on nonlinear analysis and applied mathematics, Valahia University of Targoviste.
12. *About some fixed point results in spaces with perturbated metric*, 2009, The 5th International Conference 2009 Dynamical Systems and Applications, Constanta.
13. 26-27 June, 2009, Conference on nonlinear analysis and applied mathematics, Valahia University of Targoviste, An epidemic model in spaces with perturbated metrics.
14. *An fixed point result inspace with perturbated metric and its application*, 2009, Constanta, The 17th Conference on Applied and Industrial Mathematics, Section 3 Functional Analysis and Equations with Partial Derivates.

E. Brevete obținute în întreaga activitate

1. **I.M. Olaru** *Method and device for detecting blockage of a radar system, and vehicle*
EP3364210B1·2020-10-28
2. **I.M. Olaru** , R. Sasu , *Method and device for detecting a possible collision, and vehicle*,
EP3364211B1·2022-08-17
3. **I.M. Olaru** *Method, monitoring unit, and radar sensor*, EP3299839B1·2022-08-17

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27.03.2023

Semnătura:
Lector Univ. Dr. Olaru Ion-Marian