

LISTĂ DE LUCRĂRI

Conf.univ.dr. AMELIA BUCUR

I. Teze de doctorat

T1.Amelia Bucur, *Contribuții la studiul spectrelor fine ale unor operatori de mediere (Contributions to the study of fine spectra of some averaging operators)*, Univ."Babeș-Bolyai", Cluj-Napoca, 1999

T2.Amelia Bucur, *Contribuții la abordarea științifică a calității și managementului calității (Contributions to the scientific approach of quality and quality management)*, Univ. „Lucian Blaga” din Sibiu, Sibiu, 2012

II. Cărți, cursuri, monografii

C1. Amelia Bucur, *Matematică cu aplicații în ecologie și biologie – Suport de curs și seminar*, Universitatea Lucian Blaga Sibiu, Sibiu, 2020

C2.Vasile Brătian (coordonator), **Amelia Bucur**, Claudiu Opreana, *Finanțe cantitative – Evaluarea valorilor mobiliare și gestiunea portofoliului*, Editura Universității „Lucian Blaga” din Sibiu, Sibiu, 2016

C3.Amelia Bucur, *Contribuții la abordarea științifică a calității și managementului calității, prin modelare și simulare*, Editura Universității „Lucian Blaga” din Sibiu, Sibiu, 2015

C4.Amelia Bucur, Constantin Oprean, *Operational Research and Applications in Quality Management*, LAP Lambert Academic Publishing, Saarbrücken, Germania, 2014

C5.Amelia Bucur, *Modelare și simulare cu privire la calitate și managementul calității*, Editura Universității „Lucian Blaga” din Sibiu, Sibiu, 2014

C6.Dumitru Acu, Dumitru Barac, Nicolae Suci, **Amelia Bucur**(colaborator) s.a.colaboratori, *Concursul interjudețean de matematică Gheorghe Lazăr*, Editura Asociației Astra, Sibiu, 2010

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C9.Amelia Bucur, Marian I.Olaru, *Ecuatii diferențiale. Note de curs*, Editura Universității Lucian Blaga, Sibiu, 2009

C10.Marian I.Olaru, **Amelia Bucur**, *Ecuatii cu derivate parțiale. Note de curs*, Editura Universității Lucian Blaga, Sibiu, 2009

C11.Amelia Bucur, *Probleme fundamentale de geometrie și aspecte metodice*, Editura Universității Lucian Blaga, Sibiu, partea I, 2006, partea II, 2008

C12.Amelia Bucur, *Matematici aplicate în biologie și ecologie*, Editura Universității Lucian Blaga Sibiu, 2008

C13.Amelia Bucur, Mioara Boncuț, *Cercetări operaționale. Note de curs și seminar*, Editura Universității Lucian Blaga Sibiu, 2007

C14.Amelia Bucur, *Modelare socială. Suport pentru curs și proiecte*, Editura Universității Lucian Blaga Sibiu, 2007

C15.Dumitru Acu, **Amelia Bucur**, Nicolae Secolean, Eugen Drăghici, *Lucrările celei de a VI-a conferințe anuale a Societății de Științe Matematice din România*, vol.I,II, Sibiu, 2003

C16. Mioara Boncuț, **Amelia Bucur**, *Matematici speciale. Curs editat conform standardelor ID*, Editura Alma Mater, Sibiu, 2002

C17.Amelia Bucur, *Curs de analiză matematică*, Editura Alma Mater, Sibiu, 2002

C18.Amelia Bucur, *Matematică și statistică*, Editura Alma Mater, Sibiu, 2001

C19.Mioara Boncuț, **Amelia Bucur**, *Capitole de matematici speciale*, Editura Alma Mater,

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C21.**Amelia Bucur**, *Capitole de algebră liniară, geometrie analitică și diferențială*, Vol. I și II, Editura Universității Lucian Blaga din Sibiu, vol.I, II, 2000

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C23.**Amelia Bucur**, Mioara Boncuț, *Metode de însumare a seriilor Fourier și a integralelor improprii*, Editura Con-Edit, Sibiu, partea I, 1999

III.Articole publicate în reviste de specialitate de circulație internațională recunoscute, cotate ISI sau indexate în baze de date internaționale (Ris).

III.1. Articole ISI cu FI și SRI:

Ris1. **Amelia Bucur**, *Fixed Points for Multivalued Weighted Mean Contractions in a Symmetric Generalized Metric Space*, *Symmetry* 2020, 12, 134; doi:10.3390/sym12010134, <https://www.mdpi.com/2073-8994/12/1/134>

Ris2. **Amelia Bucur**, Gabriela Dobrotă, Oana Dumitrașcu, *Implications of Fiscal Pressure on the Sustainability of the Equilibrium and Performance of Companies. Evidences in the Rubber and Plastic Industry from Romania*, *Sustainability*, 11(7), 2019, <https://doi.org/10.3390/su11072082>, <https://www.mdpi.com/2071-1050/11/7/2082>

Ris3.**Amelia Bucur**, *Fixed Points for Multivalued Convex Contractions on Nadler Sense Types in a Geodesic Metric Space*, *Symmetry*, 11(2), 155, 2019, 1-13, doi:10.3390/sym11020155, <https://www.mdpi.com/2073-8994/11/2/155>

Ris4.Camelia Oprean-Stan, Cristina Tănăsescu, **Amelia Bucur**, *A New Proposal for Efficiency Quantification of Capital Markets in the Context of Complex Nonlinear Dynamics and Chaos*, *Economic Research-Ekonomska Istraživanja*, 30(1), 2017, 1669-1692, DOI:10.1080/1331677X.2017.1383172, <http://www.tandfonline.com/doi/pdf/10.1080/1331677X.2017.1383172>

Ris5.**Amelia Bucur**, Gabriela Dobrotă, Camelia Oprean-Stan, Cristina Tănăsescu, *Economic and Qualitative Determinants of the World Steel Production*, *Metals*, 7(5), doi:10.3390/met7050163, <http://www.mdpi.com/2075-4701/7/5/163>, mai 2017, 1-13

Ris6.**Amelia Bucur**, *How can we apply the Model of the Quality of Life and of the Quality of Life Management in an Economy based on Knowledge?*, *Economic Research - Ekonomska Istraživanja*, <http://www.tandfonline.com/doi/full/10.1080/1331677X.2017.1314821>, vol.30, 1, 2017, 629-646

Ris7.Liliana Guran, **Amelia Bucur**, *Fixed point problems for (α, ψ) - weakly contractive operator on KST spaces*, *Filomat*, WOS:000416114300011, 31:14, 2017, 4441–4454 <http://www.pmf.ni.ac.rs/pmf/publikacije/filomat/2017/31-14/31-14-11-4088.pdf>

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Ris9.Mihai Aurel Țițu, **Amelia Bucur**, *Models for Quality Analysis of Services in the Local Public Administration*, *Quality & Quantity*, <http://link.springer.com/article/10.1007%2Fs11135-015-0183-3>, DOI 10.1007/s11135-015-0183-3, on-line februarie 2015, 1-16; în rev.tipărită vol. 50, issue 2, martie 2016, 921-936

Ris10.Constantin Oprean, **Amelia Bucur**, *Modeling the quality entropy of key programs of study*, *Quality and Quantity*, Olanda, 2014, DOI: 10.1007/s11135-014-0013-z, <http://link.springer.com/article/10.1007/s11135-014-0013-z>; vol.49, issue 2, 2015, 631-636

Ris11.Constantin Oprean, **Amelia Bucur**, *Modeling and simulation of the quality's entropy*, Quality and Quantity, Vol.47, Issue 6, Olanda, <http://link.springer.com/article/10.1007%2Fs11135-012-9728-x#page-1>, 2013, 3403-3409

Ris12.**Amelia Bucur**, Liliana Guran, Adrian Petrusel, *Fixed Point Theorem for Multivalued Operators on a Set Endowed with Vector-Valued Metrics and Applications*, Fixed Point Theory, [http://www.math.ubbcluj.ro/~nodeacj/vol_10\(2009\)_no_1.php](http://www.math.ubbcluj.ro/~nodeacj/vol_10(2009)_no_1.php), no.1, 19-34, Cluj-Napoca, 2009

Ris13.Vasile Brătian, **Amelia Bucur**, Camelia Oprean, Cristina Tănăsescu, *Discretionary vs Nondiscretionary in Fiscal Mechanism – Non-Automatic Fiscal Stabilizers vs Automatic Fiscal Stabilizers*, Economic Research - Ekonomska Istraživanja, 29:1, <http://dx.doi.org/10.1080/1331677X.2015.1106330>, DOI 10.1080/1331677X.2015.1106330, on-line 7 dec.2015, în rev.tipărită ian.2016, 1-17

Ris14.**Amelia Bucur**, *Spectral properties of weighted mean integral operator*, Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie, Tome 43(91), no.1, Bucuresti, 2000, 15-20

Ris15.**Amelia Bucur**, *A sufficient condition for the hyponormality of z-Cesaro Operator*, Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie, Tome 43(91), no.1, Bucuresti, 2000, 34-38

III.2. Articole ISI cu FI fără SRI:

Ris16.**Amelia Bucur**, *Aspects Regarding the Obtaining of the Optimum Quality*, Revista Metalurgia Internațional, București, vol.XVII, nr.6, 2012, 202-191, http://www.metalurgia.ro/Metalurgia_International_6_2012.pdf

Ris17.**Amelia Bucur**, *Examples of Using the SPSS and WinQSB Softwares for Collecting and Analyzing Data in Order to Obtain the Optimum Quality*, Revista Metalurgia Internațional, București, vol.XVII, nr.6, 2012, 187-191, http://www.metalurgia.ro/Metalurgia_International_6_2012.pdf

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Ris18. **Amelia Bucur**, *Aspects regarding the existence of fixed points of the iterates of Stancu operators*, Surveys in Mathematics and its Applications, vol 14, 2019, 355-365

Ris19. **Amelia Bucur**, *The Entropy of the Sustainable Development of Rural Tourism Organizations in the Context of Collaborative Economy*, Annals of the „Constantin Brâncuși” University of Târgu Jiu, vol.2, 2018, 65-75

Ris20.Vasile Brătian, Claudiu Opreana, **Amelia Bucur**, *Evaluation of the stock quote – stochastic approach, market efficiency and technical analysis*, International Journal of Economics and Financial Issues, 7(5), 2017, 307-316

Ris21.**Amelia Bucur**, *About Applications of the Fixed Point Theory*, Scientific Bulletin of the Nicolae Balcescu Land Forces Academy, Sibiu, XXII(43), 1, 2017, 13-17

Ris22. Vasile Brătian, **Amelia Bucur**, *The Development and the Current Status of the Capital Market Hypotheses: a Few Benchmarks*, Revista Economică, 69(1), 2017, 22-28

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Ris24.**Amelia Bucur**, *The fine spectra of some Cesaro operators*, Journal of Dynamical systems and geometric theories, vol. 2, Iran, 2004, 27-33

Ris25.**Amelia Bucur**, *Modelling of the Quality Management of the Human Resource Training*, Buletinul Științific al Academiei Forțelor Terestre, Sibiu, vol.XX, nr. 2(40), dec.2015, 137-142

Ris26.**Amelia Bucur**, *Aspects of Multicriterial Mathematical Modeling and of the Fuzzy Formalism for the Hierarchization of Study Programs Based on Several Quality Characteristics*, Acta Universitatis Lucian Blaga, Technical Series, Vol.LXVII, 2015, 1-6

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Ris28.Amelia Bucur, *Aspects Regarding the Quality Management of Intellectual Capital in Industrial Organizations*, Academic Journal of Manufacturing Engineering, Vol. 12, Issue 4, dec.2014, 18-23

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Ris30.Amelia Bucur, José Luis López-Bonilla, Jaime Robles-García, *A note on the Namias identity for Bernoulli numbers*, Journal of Scientific Research, Vol. 56, no.1-2, Banaras Hindu University, Varanasi, 2012, 117-120

Ris31.Mihai Ognean, Claudia Felicia Ognean, Amelia Bucur, *Rheological Effects of Some Xylanase on Doughs from High and Low Extraction Flours*, Procedia Food Science, vol 1., 2011, 308-314

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Ris34.Marilena Blaj,Roland Blaj, Amelia Bucur *A Mathematical Model of The Degree of Acceptability Specific to Conditions of Participation in Study Programs*, Revista Acad.Fortelor Terestre,nr.2, 2011

Ris35.Cristina Tănăsescu and Amelia Bucur, *A Study of First-order Disturbance of the Second Order Approximation of a Vectorial Function with Application in Engineering and other Sciences*, Gen. Math. Notes, Vol. 2, No. 1, January 2011,India, 209-220

Ris36.Amelia Bucur, Marilena Blaj, *A Mathematical Model of the Degree of Acceptability Specific to Conditions of Participation in Planned Actions*, Gen. Math. Notes, Vol. 3, No. 2, 2011, 84-87

Ris37.Amelia Bucur,Ricardo Garcia-Olivo,Jose Luis Lopez Bonilla,*Relationships between Riemannian invariants*, International Journal of Applied Mathematics & Statistics(IJAMAS),vol.16,nr.M10,India, martie2010, 59-61

Ris38.Amelia Bucur, José Luis López-Bonilla ,*On some series of functions*,Rev.Notas de Matematicas,Los Andes,Merida-Venezuela, ISSN: 1856 - 7800,vol.6(2),nr.297,2010,47-57

Ris39.Constantin Oprean, Mihaela Alina Vanu and Amelia Bucur, *Innovation and Quality Management*, Revista Română a Inovării,nr.6-7,Bucuresti,2010, 47-53

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Ris42.Cristina Tănăsescu, Amelia Bucur,*An Approach Dating Romanian Business Cycle's Turning Points*, Revista economica,Sibiu,nr.3(50),2010,463- 468

Ris43.Constantin Oprean, Mihaela Alina Vanu and Amelia Bucur,*Sustainable Development Modeling*, Management of Sustainable Development,vol.1,nr.2,Sibiu,2009, 10-18

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Ris45.Daniela Maria Flucsă, Amelia Bucur, Mihaela Alina Vanu, Mihail Aurel Țîțu, *Qualitative Communication – a Characteristic of Sustainable Development*, Management of Sustainable Development,vol.1,nr.2,Sibiu,2009, 10-18

- Ris46.**Constantin Oprean, Alina Mihaela Vanu, **Amelia Bucur**, *Organizational wellness modelling*, Review of International Comparative Management, vol.10,no.4,Bucuresti,2009, 622-632
- Ris47.****Amelia Bucur**, B.E. Carvajal-Gámez, J. López-Bonilla, *Laguerre polynomials: Their Laplace transform via equidistant interpolation*, Journal of Scientific Research, vol. 53, Banaras Hindu University, India, 2009, 257-258
- Ris48.**Arif Rafiq, **Amelia Bucur**, *On Modified Noor Iterations for Strongly Pseudocontractive Mappings*, General Mathematics, vol.15, no.3, Sibiu, 2009, 187-201
- Ris49.****Amelia Bucur**, Sossa-Caraseo C.A., *Sofia Kovalevskaia: La mujer y matematica celeberrima de su epoca*, Conversus (ISSN 1665-2665), no.68, National Polytechnic Institute-Mexico City, Mexic, 2008, 54-57
- Ris50.****Amelia Bucur**, *General Mathematics-Fifteen Years of Publication*, General Mathematics, vol.16, no. 1, Sibiu, 2008, 3-4
- Ris51.****Amelia Bucur**, Alvarez-Ballesteros S., Lopez-Bonilla J.L., *On the Characteristic Equation of Chebyshev Matrices*, General Mathematics, vol.15, no.4, Sibiu, 2007, 17-23
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- Ris53.****Amelia Bucur**, *Short book review: Spectral Methods for Differential Problems Author: C.I. Gheorghiu*, General Mathematics, vol.15, nr. 4, Sibiu, 2007, 117-118
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- Ris64.****Amelia Bucur**, *Posinormality of p -Cesàro operators $p > 1$ and terraced matrix*, Analele Univ. din Oradea, Fascicola Matematică, Tom X, Oradea, 2003, 49-56
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- Ris66.****Amelia Bucur**, *On the fine spectra of averaging operators*, General Mathematics, vol.9, no.3-4, Sibiu, 2001, 23-35
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- Ris69.****Amelia Bucur**, *The fine spectre of some Cesaro generalized operators*, General Mathematics, vol.4, nr.1-2, Sibiu, 1996, 82-97
- Alte articole, publicate în reviste necotate CNCSIS.

IV. Lucrări publicate în volumele unor manifestări științifice: a) internaționale recunoscute (cu ISSN sau ISBN) din țară și străinătate(Vi) și b) naționale (Vn), inclusiv cotate ISI sau indexate în baze de date internaționale

a) internaționale recunoscute (cu ISSN sau ISBN) din țară și străinătate(Vi)

Vi1. Cristina Bătușaru, **Amelia Bucur**, *Evaluation Methods of the Impact of Structural and Cohesion Funds on Economic and Social Development at Regional and National Level*, The 24th International Conference The Knowledge-Based Organization, Proc., Acad. F.Terestre Sibiu, 14-16 iunie 2018

Vi2. Gabriela Dobrotă, **Amelia Bucur**, *Education, Health and Financial Security – Determinants of Sustainable Development*, International Scientific Conference, Information Society and Sustainable Development, ISSD, Ediția a IV-a, Tg.Jiu, Gorj, România, 28-29 aprilie 2017

Vi3. Liliana Guran, Shahram Rezapour, **Amelia Bucur**, *Existence and Ulam-Hyers stability for α - ψ -weakly contractive type multivalued operators on KST-spaces*, Conference on Ulam's Type Stability, 4-9 iulie 2016, Cluj-Napoca, pag.17 în Abstract Book <http://cuts.up.krakow.pl/2016/files/AbstractsCUTS2016.pdf>

Vi4. Radu I. Neacșu, **Amelia Bucur**, *Cancerul oral - factori de risc și biologia celulară*, Sesiunea științifică: Probleme de diagnostic și tratament în tumorile maligne oro-maxilo-faciale, organizată de Spitalul Militar de Urgență Sibiu, de Colegiul Medicilor Sibiu, prin Departamentul Profesional Științific, Sibiu, 7.08.2015

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Vi6. **Amelia Bucur**, *Quality Entropy - a Sustainable Concept*, Proceedings Book of International Conference on Science, Ecology and Technology I, The International Conference on Science, Ecology and Technology (Iconsete'2015 – Viena), Viena, Austria, 25-28 august 2015, pp.565-570

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Vi13. Liliana G. Popescu; Mihai-Victor Zerbes; **Amelia Bucur**, *Mathematical modeling of the student's degree of interest for educational activities in the quality and sustainable development field*, SGEM Conference on Psychology & Psychiatry, Sociology & Healthcare Education, Conference Proceedings, Volume III, International multidisciplinary scientific conferences on social sciences and arts SGEM 2014, Albena, Bulgaria, September 2-7, 2014, pp.517-524

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Vi15. **Amelia Bucur**, *A few aspects regarding quality improvement in higher education*, Joint International Conference of Doctoral and Post-Doctoral Researchers, 12-13 septembrie 2014, Craiova, Romania, pp.178-188

Vi16. **Amelia Bucur**, Liliana G. Popescu, Mihai-Victor Zerbes, *Aspects of modeling and simulation of the traffic management quality sustainable in an urban intersection*, Proceedings of the 7th International Conference on Urban Planning and Transportation, Salerno, Italia, 3-5 iunie 2014, pp. 74-79

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