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Gradul didactic: Conf. univ. dr.  
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## L I S T A

### lucrărilor științifice în domeniul disciplinelor din postul didactic

#### A. Teze de doctorat

1. **Titlul de doctor** în domeniul Matematică/ anul 2000 (Univ."Babeș-Bolyai", Cluj-Napoca)  
Titlul tezei de doctorat "*Contribuții la studiul spectrelor fine ale unor operatori de mediere*"
2. **Titlul de doctor** în domeniul Inginerie și Management/ anul 2012 (Univ."Lucian Blaga", Sibiu)  
Titlul tezei de doctorat "*Contribuții la abordarea științifică a calității și managementului calității*"

#### B. Cărți și capitole în cărți publicate în întreaga activitate

1. **Amelia Bucur**, Capitolul 10 în cartea *Application of Novel Research Methods. The Study of Current Economic Phenomena*, Editor Camelia Oprean-Stan, Published by Peter Lang GmbH, Berlin, Deutschland, 2024, 193-202,  
<https://www.peterlang.com/document/1481490>. Indexată în SCOPUS.  
(Editura a fost aleasă dintre cele de pe site-ul ULBS-Cercetare, din fișierul Edituri internaționale de prestigiu recunoscute de ULBS (lista editurilor de prestigiu la nivel internațional recunoscute de ULBS, conform reglementărilor Siepas, indicatorul I6, aprobată prin Hotărârea Senatului ULBS nr. 1411 din 30.03.2017 avizată în Hotărârea CA din 07.03.2017))
2. **Amelia Bucur**, Adrian Nicolae Branga, *Theory and Applications of Numerical Approximation Techniques*, Cambridge Scholars Publishing, UK, 2024,  
<https://www.cambridgescholars.com/product/978-1-5275-9383-1>  
(Editura a fost aleasă dintre cele de pe site-ul ULBS-Cercetare, din fișierul Edituri internaționale de prestigiu recunoscute de ULBS (lista editurilor de prestigiu la nivel internațional recunoscute de ULBS, conform reglementărilor Siepas, indicatorul I6, aprobată prin Hotărârea Senatului ULBS nr. 1411 din 30.03.2017 avizată în Hotărârea CA din 07.03.2017))
3. **Amelia Bucur**, *Tehnici de optimizare și numerice: schițe de teorie și aplicații*, Editura Universității "Lucian Blaga" din Sibiu, Sibiu, 2023
4. **Amelia Bucur**, *Numerical methods - topics for lectures and laboratory classes-*, Lucian Blaga of Sibiu Publishing House, Sibiu, 2022
5. **Amelia Bucur**, *Matematici speciale*, Editura Techno Media, Sibiu, 2021
6. **Amelia Bucur**, *Metode numerice*, Editura Techno Media, Sibiu, 2021
7. **Amelia Bucur**, *Matematică cu aplicații în ecologie și biologie – Suport de curs și seminar*, Editura Universității „Lucian Blaga” din Sibiu, Sibiu, 2020
8. Vasile Brătian (coordonator), **Amelia Bucur**, Claudiu Opreana, *Finanțe cantitative – Evaluarea valorilor mobiliare și gestiunea portofoliului*, Editura Universității „Lucian Blaga” din Sibiu, Sibiu, 2016
9. **Amelia Bucur**, *Contribuții la abordarea științifică a calității și managementului calității, prin modelare și simulare*, Editura Universității „Lucian Blaga” din Sibiu, Sibiu, 2015
10. **Amelia Bucur** and Constantin Oprean, *Operational Research and Applications in Quality Management*, LAP Lambert Academic Publishing, Saarbrücken, Germany, 2014  
<https://www.amazon.com/Operational-Research-Applications-Quality-Management/dp/3659627216>
11. **Amelia Bucur**, *Modelare și simulare cu privire la calitate și managementul calității*, Editura



- Universității „Lucian Blaga” din Sibiu, Sibiu, 2014
12. Dumitru Acu, Dumitru Barac, Nicolae Suci, **Amelia Bucur** (colaborator) s.a. colaboratori, *Concursul interjudețean de matematică Gheorghe Lazăr*, Editura Asociației Astra, Sibiu, 2010
  13. **Amelia Bucur**, *Metode de calcul a spectrelor fine pentru operatori de tip Cesaro*, Editura Universității Lucian Blaga, Sibiu, 2009
  14. Dumitru Acu, Nicolae Suci, **Amelia Bucur** s.a. editori, *Concursul interjudețean de matematică Gheorghe Lazăr*, Editura Asociației Astra, Sibiu, 2009
  15. **Amelia Bucur**, Marian I. Olaru, *Ecuatii diferențiale. Note de curs*, Editura Universității Lucian Blaga, Sibiu, 2009
  16. Marian I. Olaru, **Amelia Bucur**, *Ecuatii cu derivate parțiale. Note de curs*, Editura Universității Lucian Blaga, Sibiu, 2009
  17. **Amelia Bucur**, *Probleme fundamentale de geometrie și aspecte metodice*, Editura Universității Lucian Blaga, Sibiu, partea I, 2006, partea II, 2008
  18. **Amelia Bucur**, *Matematici aplicate în biologie și ecologie*, Editura Universității Lucian Blaga Sibiu, 2008
  19. **Amelia Bucur**, Mioara Boncuț, *Cercetări operaționale. Note de curs și seminar*, Editura Universității Lucian Blaga Sibiu, 2007
  20. **Amelia Bucur**, *Modelare socială. Suport pentru curs și proiecte*, Editura Universității Lucian Blaga Sibiu, 2007
  21. Dumitru Acu, **Amelia Bucur**, Nicolae Secelean, Eugen Drăghici, *Lucrările celei de a VI-a conferințe anuale a Societății de Științe Matematice din România*, vol. I, II, Sibiu, 2003
  22. Mioara Boncuț, **Amelia Bucur**, *Matematici speciale. Curs editat conform standardelor ID*, Editura Alma Mater, Sibiu, 2002
  23. **Amelia Bucur**, *Curs de analiză matematică*, Editura Alma Mater, Sibiu, 2002
  24. **Amelia Bucur**, *Matematică și statistică*, Editura Alma Mater, Sibiu, 2001
  25. Mioara Boncuț, **Amelia Bucur**, *Capitole de matematici speciale*, Editura Alma Mater, Sibiu, 2001
  26. Călin I. Gheorghiu, **Amelia Bucur**, *Matematici generale*, Editura Universității Lucian Blaga, Sibiu, 2001
  27. **Amelia Bucur**, *Capitole de algebră liniară, geometrie analitică și diferențială*, Vol. I și II, Editura Universității Lucian Blaga din Sibiu, vol. I, II, 2000
  28. **Amelia Bucur**, *Spectrele variantelor discrete ale unor operatori de mediere*, Editura Con-Edit, Sibiu, partea I, 1999
  29. **Amelia Bucur**, Mioara Boncuț, *Metode de însumare a seriilor Fourier și a integralelor improprii*, Editura Con-Edit, Sibiu, partea I, 1999

## C. Lucrări indexate ISI / BDI publicate în întreaga activitate

### C1- Lucrări indexate ISI

#### 1. WOS:001141943700038

Abdelkader Belhenniche, **Amelia Bucur**, Liliana Guran, Adrian Nicolae Branga, *Using computational techniques of fixed point theory for studying the stationary infinite horizon problem from the financial field*, AIMS Mathematics, vol.9, nr.1, 2024, 2369-2388

#### 2. WOS:001116935000046

Muhammad Farman, Ali Akgül, Mir Sajjad Hashemi, Liliana Guran, **Amelia Bucur**, *Fractal Fractional Order Operators in Computational Techniques for Mathematical Models in Epidemiology*, Computer Modeling in Engineering & Sciences (CMES), vol.138, nr.2., 2024, 1385-1403

#### 3. WOS:001113088800001

Akram Ghazala, Zainab Iqra, Sadaf Maasoomah, **Amelia Bucur**, *Solitons, one line rogue wave and breather wave solutions of a new extended KP-equation* Results in Physics, Article number 107147, 2023, 1-16

#### 4. WOS: 001025061000001

Kalim U. Tariq, Muhammad Nadeem, Muhammad Zeeshan, Liliana Guran, **Amelia Bucur**, *On the dynamics of a dual space time fractional nonlinear Schrödinger model in optical fibers*, Results in Physics, vol.51, 2023, 106603

**5. WOS: 001024600400072**

Jamshad Ahmad, Sonia Akram, Kanza Noor, Muhammad Nadeem, **Amelia Bucur**, Yahya Alsayaad, *Soliton solutions of fractional extended nonlinear Schrödinger equation arising in plasma physics and nonlinear optical fiber*, Scientific Reports, vol. 13, Article number 10877, 2023

**6. WOS: 001046733800001**

Khurram Shabbir, Javed Iqbal; **Amelia Bucur**; Azhar Ali Zafar, *Analyzing the convergence of a semi-numerical-analytical scheme for non-linear fractional PDEs*, Alexandria Engineering Journal, vol.78, 26-34, 2023

**7. WOS: 000516823700134**

**Amelia Bucur**, *Fixed Points for Multivalued Weighted Mean Contractions in a Symmetric Generalized Metric Space*, Symmetry 2020, 12, 134; doi:10.3390/sym12010134

**8. WOS: 000466551600259**

**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>.

**9. WOS:000460767300033**

**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.

**10. WOS:000424044500007**

**Amelia Bucur**, Claudiu Vasile Kifor, Silvia Cristina Mărginean, *Evaluation of the Quality and Quantity of Research Results in Higher Education*, Quality & Quantity, vol.52, nr.1, 2018, 101-118, DOI 10.1007/s11135-016-0452-9

**11. WOS:000425855800002**

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

**12. WOS:000404052600012**

**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, 2017, 1-13

**13. WOS:000400930500001**

**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, vol.30, 1, 2017, 629-646

**14. WOS:000416114300011**

Liliana Guran, **Amelia Bucur**, *Fixed point problems for  $(\alpha, \psi)$ - weakly contractive operator on KST spaces*, Filomat, WOS:000416114300011, 31:14, 2017, 4441–4454

**15. WOS:000370164800025**

Mihail Aurel Țițu, **Amelia Bucur**, *Models for Quality Analysis of Services in the Local Public Administration*, Quality & Quantity, vol. 50, issue 2, 2016, 921-936, DOI 10.1007/s11135-015-0183-3

**16. WOS:000374898400001**

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, 2016, 1-17, DOI 10.1080/1331677X.2015.1106330

**17. WOS:000352509200014**

Constantin Oprean, **Amelia Bucur**, *Modeling the quality entropy of key programs of study*, Quality and Quantity, Olanda, vol.49, issue 2, 2015, 631-636, DOI: 10.1007/s11135-014-0013-z

**18. WOS:000398586307030**

**Amelia Bucur**, *Improving the quality of operational research courses by simulation with WinQSB, Maple, and GeoGebra*, Proc.of the 9th Interantional Technology, Education and Development Conference,(INTED 2015), Madrid, Spania, INTED 2015 Proceedings, 2-4 martie 2015, 7237-7243

**19. WOS:000411723700025**

Mihai-Victor Zerbes, Liliana G. Popescu, **Amelia Bucur**, *Conceptual Model for Measuring Performance of Planning and Design Processes*, SGEM Conference on Psychology & Psychiatry,

- Sociology & Healthcare Education, Conference Proceedings, Volume III, International Multidisciplinary Scientific Conferences on Social Sciences & Arts, 3-9 septembrie, 2014, Albena, Bulgaria, 185-192
- 20. WOS:000411723700134**  
Mihai-Victor Zerbes, Liliana G. Popescu, **Amelia Bucur**, *Validation of Processes*, SGEM Conference on Psychology & Psychiatry, Sociology & Healthcare Education, Conference Proceedings, Volume III, International Multidisciplinary Scientific Conferences on Social Sciences & Arts, 3-9 septembrie, 2014, Albena, Bulgaria, 1035-1040
- 21. WOS:000411723700006**  
Liliana G. Popescu; Mihai-Victor Zerbes; **Amelia Bucur**, *A Strategic Analysis Model for Developing Centres for Additive Manufacturing in Universities*, 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, 43-50
- 22. WOS:000411723700069**  
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, 517-524
- 23. WOS:000323671200027**  
Constantin Oprean, **Amelia Bucur**, *Modeling and simulation of the quality's entropy*, Quality and Quantity, Vol.47, Issue 6, 2013, 3403-3409, Olanda
- 24. WOS:000302988700042**  
**Amelia Bucur**, *Aspects Regarding the Obtaining of the Optimum Quality*, Revista Metalurgia Internațional, București, vol.XVII, nr.6, 2012, 202-191
- 25. WOS:000302988700039**  
**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
- 26. WOS:000335704200084**  
Irina Șogorăscu, **Amelia Bucur**, Constantin Oprean, Mihai Zerbeș, Alina Rus, *Implementing Alternative Methods for Quality Evaluation that Aim the Development of a Sustainable Business*, Conference Proceedings 6th Balkan Region Conference on Engineering and Business Education & 5th International Conference on Engineering and Business Education & 4th International Conference on Innovation and Entrepreneurship, Sibiu, 18-21 octombrie 2012, pp.431-434
- 27. WOS:000335704200081**  
Constantin Oprean, **Amelia Bucur**, *The I-P-C-V Model for Improving the Quality Management and its Applications*, Conference Proceedings Balkan Region Conference on Engineering Education & MSE, Sibiu, 18-21 octombrie 2012, pp.413-422
- 28. WOS:000335704200083**  
Magda Susan Resiga, Ștefania Kifor, **Amelia Bucur**, *The Research School in the Field of Engineering Sciences*, Conference Proceedings Balkan Region Conference on Engineering Education & MSE 6th Balkan Region Conference on Engineering and Business Education & 5th International Conference on Engineering and Business Education & 4th International Conference on Innovation and Entrepreneurship, Sibiu, 18-21 octombrie 2012, 425-430
- 29. WOS:000393733900030**  
Marilena Blaj, **Amelia Bucur**, *Evaluation of the Degree of Interest, of the Utility and Acceptability of the Human Resource Regarding the Participation in Programs of Study in Higher Education*, Proceedings of the International Conference on Manufacturing Science and Education, International Conference on Manufacturing Science and Education(MSE), 2011, Sibiu, 123-126
- 30. WOS:000314355500048**  
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., 11th International Congress on Engineering and Food (ICEF11), Atena, Grecia, 2011, 308-314
- 31. WOS:000257699300006**



- 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, 2010, 59-61
- 32. WOS:000392594500022**  
Constantin Oprean,Alina Mihaela Vanu, **Amelia Bucur** *Strategies for Environmental Protection and Resource Management in the Context of Sustainable Development*,International Conference Proc. 17<sup>th</sup> International Economic Conference(IECS), Sibiu, mai 2010, 154-163
- 33. WOS:000266274300002**  
**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, no.1, 19-34, Cluj-Napoca, 2009
- 34. WOS:000273607900042**  
Constantin Oprean,**Amelia Bucur**,Alina Mihaela Vanu, *A Mathematical Model of the Inovation Indicator*, Proc. 5th Balkan Region Conference on Engineering and Business Education & 2nd International Conference on Engineering and Business Education, Sibiu, Romania,15 - 17 octombrie2009, 194-198
- 35. WOS:000257699300006**  
Mioara Boncuț, **Amelia Bucur**, *About Fourier Series in Study of Periodic Signals*,Proceedings of the 9thWSEAS International Conference on Neural Networks, Sofia,Bulgaria 2-4 mai 2008, 20-25

## C2 - Lucrări indexate BDI (dintre care, o parte, indexate și în SCOPUS)

### Indexate BDI și SCOPUS

1. **Amelia Bucur**, *A fixed-point approach to a multi-group SEIRV epidemic model*, Journal of Prime Research in Mathematics, 18(2) (2022), 144–151
2. **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
3. **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
4. **Amelia Bucur**, *Fixed Point Theorems for  $\psi$ - Contractions in Generalized Metric Spaces with Vectorial Metric*,International Journal of Applied Mathematics and Statistics,vol.10, nr.M11, India, martie2011, 11-15

### Indexate BDI

5. **Amelia Bucur**, *About Fractional Programming Problems and SIR Models*, European Journal of Theoretical and Applied Sciences (EJTAS), vol.3, nr.1, 2025, 179-197
6. **Amelia Bucur**, *About Upper and Lower Strong Fractional Weighted Mean Convergence by Moduli for Triple Sequences*, Journal of Applied Mathematics and Physics, vol.11, nr.5, 2023, 1304-1318
7. **Amelia Bucur**, *A fixed-point approach to mathematical models in epidemiology*, International Journal of Advance Study and Research Work (IJASRW), vol5, nr.11, 2022, 1-13
8. **Amelia Bucur**, *Calculations of Some Trigonometric Interpolation Polynomials and Some Graphical Representations in Maple*, International Journal of Advance Study and Research Work (IJASRW), vol5, nr.7, 2022, 1-13
9. **Amelia Bucur**, *Some aspects about mathematical modeling for epidemic management*, Management of Sustainable Development, vol.13, nr.2, 2021, 19-28
10. **Amelia Bucur**, *Differential Equation for the Entropy of Rural Tourism in the Context of COVID-19*, Management of Sustainable Development, vol.13, nr.1, 2021, 4-8
11. **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
12. 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
13. **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

14. 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
15. **Amelia Bucur**, *The fine spectra of some Cesaro operators*, Journal of Dynamical systems and geometric theories, vol. 2, Iran, 2004, 27-33
16. **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
17. **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
18. **Amelia Bucur**, *Entropy and Conditioned Negentropy – Mathematical Models for the Analysis of Quality*, Revista Academiei Forțelor Terestre, nr. 2(78), Sibiu, 2015, 217-225
19. **Amelia Bucur**, *Aspects regarding the optimization of the quality of managerial decisions - solving an optimization problem in the sense of sustainability with WinQSB*, Review of General Management, no. 1, vol. 15, Brașov, 2012, 194-202
20. **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
21. **Amelia Bucur**, José L. López-Bonilla and Manuel Robles-Bernal, *On a Generating Function for the Hermite Polynomials*, Journal of Scientific Research Vol. 55, Banaras Hindu University, Varanasi, 2011, 173-175
22. Marilena Blaj, Roland Blaj, **Amelia Bucur** *A Mathematical Model of The Degree of Acceptability Specific to Conditions of Participation in Study Programs*, Revista Acad. Forțelor Terestre, nr. 2, 2011
23. 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
24. **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
25. **Amelia Bucur**, José Luis López-Bonilla, *On some series of functions*, Rev. Notas de Matemáticas, Los Andes, Merida-Venezuela, ISSN: 1856 - 7800, vol. 6(2), nr. 297, 2010, 47-57
26. Constantin Oprean, Mihaela Alina Vanu and **Amelia Bucur**, *Innovation and Quality Management*, Revista Română a Inovării, nr. 6-7, București, 2010, 47-53
27. **Amelia Bucur**, *Resource Management in the Context of Sustainable Development: the Usage of Solar Photovoltaic Sources*, Management of Sustainable Development, vol. 2, nr. 2, Sibiu, 2010, 10-18
28. José Luis López-Bonilla, Alejandro Iturri-Hinojosa, **Amelia Bucur**, *Lanczos derivative for a discontinuous function*, Rev. Notas de Matemáticas, Los Andes, Merida-Venezuela, vol. 6(1), no. 288, 2010, 23-29
29. Cristina Tănăsescu, **Amelia Bucur**, *An Approach Dating Romanian Business Cycle's Turning Points*, Proc. 17<sup>th</sup> International Economic Conference (IECS), Sibiu, 2010, 624-629
30. Constantin Oprean, Mihaela Alina Vanu and **Amelia Bucur**, *Sustainable Development Modeling*, Management of Sustainable Development, vol. 1, nr. 2, Sibiu, 2009, 10-18
31. Cristina Tănăsescu, **Amelia Bucur**, *Modelling of Economic Cycles and Maximal Elements in Competitive Abstract Economies in the Context of Sustainable Development*, Management of Sustainable Development, vol. 1, nr. 1, Sibiu, 2009, 13-18
32. Daniela Maria Flucșă, **Amelia Bucur**, Mihaela Alina Vanu, Mihail Aurel Țițu, *Qualitative Communication – a Characteristic of Sustainable Development*, Management of Sustainable Development, vol. 1, nr. 2, Sibiu, 2009, 10-18
33. Constantin Oprean, Alina Mihaela Vanu, **Amelia Bucur**, *Organizational wellness modelling*, Review of International Comparative Management, vol. 10, no. 4, București, 2009, 622-632
34. **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
35. Arif Rafiq, **Amelia Bucur**, *On Modified Noor Iterations for Strongly Pseudocontractive Mappings*, General Mathematics, vol. 15, no. 3, Sibiu, 2009, 187-201
36. **Amelia Bucur**, Sossa-Caraseo C.A., *Sofia Kovalevskaja: La mujer y matematica celeberrima de su epoca*, Conversus (ISSN 1665-2665), no. 68, National Polytechnic Institute-Mexico City, Mexic, 2008, 54-57
37. **Amelia Bucur**, *General Mathematics-Fifteen Years of Publication*, General Mathematics, vol. 16, no.

- 1, Sibiu, 2008, 3-4
38. **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
  39. Muresan, A.C., **Amelia Bucur**, *The cost of the Rational Polynomial's Root's Separation* Studii si Cercetari Stiintifice. Seria Matematica, Supplement Proceedings of CNMI 2007, Bacău, 2007, 117-138
  40. **Amelia Bucur**, *Short book review: Spectral Methods for Differential Problems* Author: C.I. Gheorghiu, General Mathematics, vol.15, nr. 4, Sibiu, 2007, 117-118
  41. **Amelia Bucur**, *About Asymptotic Behaviour of Solutions of Differential Equations as  $x \rightarrow \infty$* , General Mathematics, vol.14, nr. 2, Sibiu, 2006, 55-58
  42. **Amelia Bucur**, *About the Second-Order Equations with Variable Coefficients*, General Mathematics, vol.14, nr.3, Sibiu, 2006, 39-42
  43. **Amelia Bucur**, *Short reviews: Polinoame ortogonale*, General Mathematics, vol.12, no.1, Sibiu, 2005, 109-110
  44. **Amelia Bucur**, *Boundness of Cesaro Means Operators*, General Mathematics, vol.13, no.1, Sibiu, 2005, 11-22
  45. **Amelia Bucur**, *On the Sixtieth Birthday of Prof. Dr. Dumitru Acu*, General Mathematics, vol. 13, no. 2, Sibiu, 2005, 3-22
  46. **Amelia Bucur**, *Posinormality versus hyponormality for Cesaro operators*, General Mathematics, vol.11, nr. 1-2, Sibiu, 2003, 33-46
  47. **Amelia Bucur**, *Some notes on absolute convergence of Fourier series*, General Mathematics, vol.11, nr.3-4, Sibiu, 2003, 45-52
  48. Dumitru Acu, **Amelia Bucur**, *General Mathematics-One decade of publication*, General Mathematics, vol.11, nr. 3-4, Sibiu, 2003, 3-4
  49. **Amelia Bucur**, *About one fixed point theorem*, General Mathematics, vol.10 nr.1-2, Sibiu, 2002, 71-74
  50. **Amelia Bucur**, *On the fine spectra of averaging operators*, General Mathematics, vol.9, no.3-4, Sibiu, 2001, 23-35
  51. **Amelia Bucur**, *The existance of the solution for some integral equations*, General Mathematics, vol.8, nr.1-2, Sibiu, 2000, 83-89
  52. **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
  53. **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
  54. **Amelia Bucur**, *The spectra of Rhalý operator on  $l_p$  ( $p > 1$ )*, Mathematica, Tome 41(64), nr.1, Cluj, 1999, 21-30
  55. **Amelia Bucur**, *The fine spectra of discrete Cesaro operator on  $bv_0$* , General Mathematics, vol.7, nr.1-4, Sibiu, 1999, 89-96
  56. **Amelia Bucur**, *The fine spectre of some Cesaro generalized operators*, General Mathematics, vol.4, nr.1-2, Sibiu, 1996, 82-97

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

##### D1- Lucrări publicate în reviste

1. **Amelia Bucur**, *Luciana Lupas. In memoriam* Educația matematică, vol.5, Sibiu, 2009, 3-10
2. **Amelia Bucur**, *Probleme propuse pentru concursuri de elevi*, Anuar matematic, vol. XI, Bistrița, 2008, pp. 78, 133
3. **Amelia Bucur**, *Numerele si formele naturii*, Monitorul de Sibiu, Sibiu, 10 dec. 2008, p.4
4. **Amelia Bucur**, *Contribuția lui Visarion Roman la matematica vremii*, Educația matematică, vol.3, nr. 1-2, Sibiu, 2007, 77-78
5. **Amelia Bucur**, *Probleme de combinatorică rezolvate neconvențional*, Educația matematică, nr.2, Sibiu, 2006, 71-78
6. **Amelia Bucur**, *On some problems from National Mathematical Olympiad 2003*, Educația matematică, nr.1, Sibiu, 2005, 95-100
7. **Amelia Bucur**, *Exerciții și probleme, în revista Epsilon*, Rm. Vâlcea, 1995, 1996
8. **Amelia Bucur**, *Exerciții și probleme, acceptate în câțiva ani, în cadrul subiectelor la Concursul Gh. Lazăr*, Sibiu

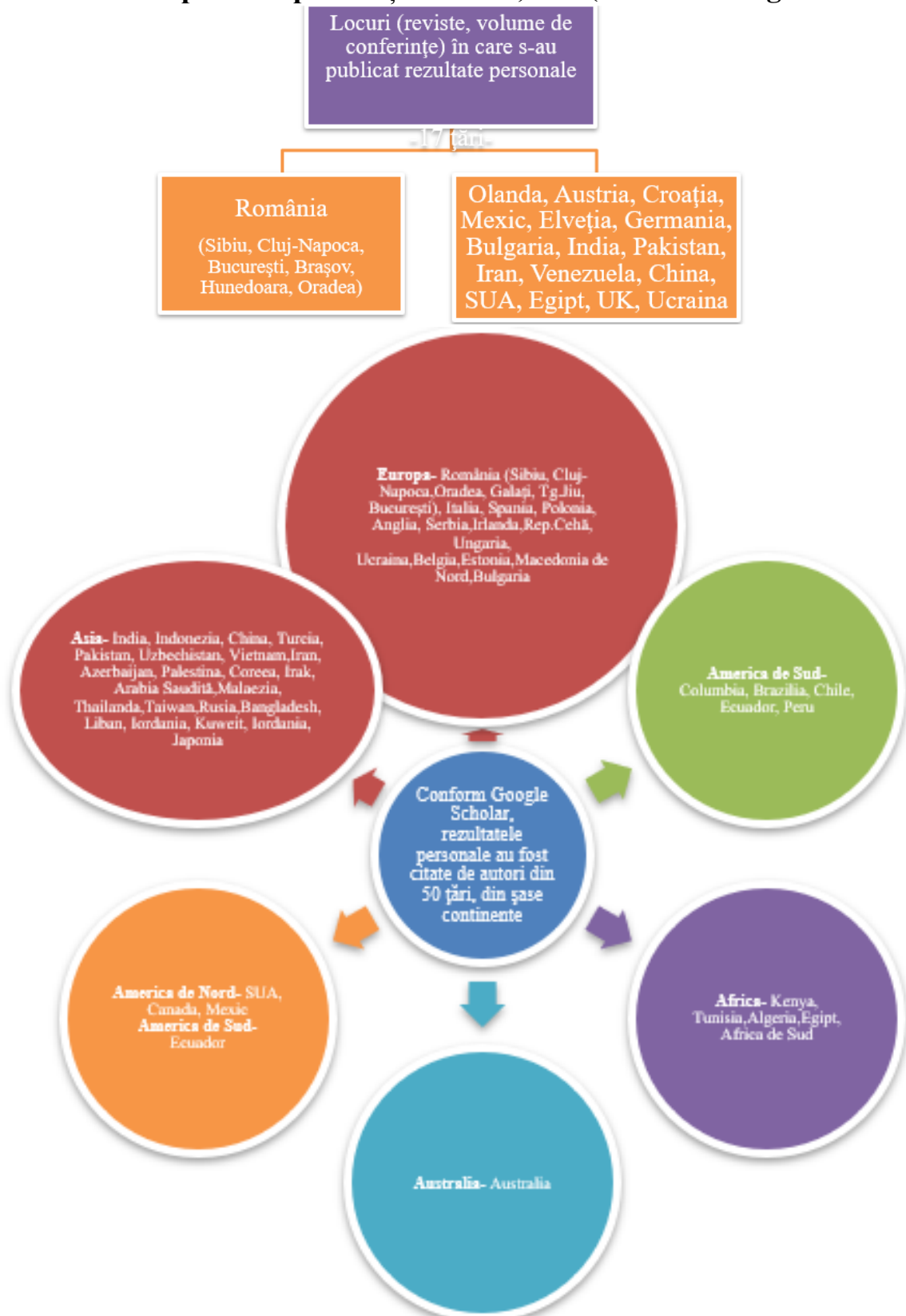
**D2- Lucrări publicate în volume de conferințe cu referenți**

9. Andrei-Călin Cîrstea, Liviu-Constantin Baboi, Gabriel Ghișoiu, Elena Ștefănescu, **Amelia Bucur**, *A Method to Build your own Autonomous Weather Station and to Validate It with Tools of Statistical Mathematics*, 20-22 octombrie 2022, International E-Conference on Mathematical and Statistical Sciences: a Selcuk Meeting, Book of Abstracts, 2022, 61
10. Cristina Bătușaru, **Amelia Bucur**, *Evaluation Methods of the Impact of Structural and Cohesion Funds on Economic and Social Development at Regional and National Level*, vol.24, issue 2, ISSN 1843-6722, The 24th International Conference The Knowledge-Based Organization, Proc., Acad. F.Terestre Sibiu, 14-16 iunie 2018, 23-30
11. Gabriela Dobrotă, **Amelia Bucur**, *Education, Health and Financial Security – Determinants of Sustainable Development*, Proceedings of the International Scientific Conference “Information Society and Sustainable Development”(ISSD), Ediția a IV-a, „Academica Brâncuși” Publishing House, ISBN 978-973-144-831-2, Tg.Jiu, Gorj, România, 28-29 aprilie 2017, 343-345
12. Liliana Guran, Shahram Rezapour, **Amelia Bucur**, *Existence and Ulam-Hyers stability for  $\alpha$ - $\psi$ -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>
13. **Amelia Bucur**, *Aspects of Multicriterial Mathematical Modeling and of the Fuzzy Formalism for the Hierarchization of Study Programs Based on Several Quality Characteristics*, Joint International Conference of Doctoral Students and Post-Doctoral Researchers (Panel 1: Engineering and Exact Sciences), Universitatea „Lucian Blaga” din Sibiu, 5-6 iunie 2015, ACTA Universitatis Cibiniensis, Vol. 67, Issue 1, 2015, 1-6
14. **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, 565-570
15. **Amelia Bucur**, Carmen Daniela Domnariu, *Using the SPSS Software to Assess the Health Status of Sibiu County's Population*, Proceedings of the 3rd International Conference on Mathematical, Computational and Statistical Sciences(MCSS '15), ISSN: 2227-4588, ISBN: 978-1-61804-275-0, Dubai, United Arab Emirates, 22-24 februarie 2015, 366-370
16. **Amelia Bucur**, *An Indicator of an Individual's Professional Quality*, Recent Advances in Applied Mathematics, Modelling and Simulation-Proceedings of the 8th International Conference on Applied Mathematics, Simulation, Modelling(ASM'14), Florența, Italia, 22-24 noiembrie 2014, 342-345
17. **Amelia Bucur**, *Aspects regarding the scientific approach of quality and quality management by modeling and simulation*, Joint International Conference of Doctoral and Post-Doctoral Researchers, 12-13 septembrie 2014, Craiova, Romania, 9-24
18. **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
19. **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, 74-79
20. **Amelia Bucur**, *Modeling as a Multiple-Criteria Decision-Making Problem and simulation, for the Hierarchization of Programs of Study*, WSEAS Advances in Automatic Control Modelling and Simulation, Brașov, 2013, 338-343
21. V.Zaharescu, C.Pănoiu, L.Miron, A.Romanescu, **Amelia Bucur**, *Equipment's life time management based on linear regression*, Proceedings of CIGRE Regional South-East European Conference(RESSEC 2012), Sibiu, 10-12 octombrie 2012, 196-201
22. **Amelia Bucur** Mioara Boncuț, *About Boundness of Cesaro Operators*, Pannonian Applied Mathematical and Mechanics-PAMM Conference, 2-7 August 2005, University of Novi Sad, BAM-1980-C/2005, PC-149, Novi Sad, 2005
23. Mioara Boncuț, **Amelia Bucur**, *Some properties of weighted mean integral operator*, Volumul-The 27th Annual Congress of the ARA Polytechnic International Press, Oradea, 2002, 616-618
24. **Amelia Bucur**, *Studiu de caz privind calitatea absolvenților*, Volumul Conferinței Naționale „Noi abordări ale calității în învățământul superior”, ISBN 978-606-12-0272-0, Sibiu, 9 decembrie 2011, 42-47



25. **Amelia Bucur**, *Probleme de extrem în geometria elementară*, Proceedings of the sixth annual conference of the Romanian Society of Mathematical Sciences 2002 (publicat în 2003 la Editura Universității “Lucian Blaga” din Sibiu – ISBN 973-651-634-2), Sibiu, 2003, 172-177
26. **Amelia Bucur**, *Pledoarie pentru matematică. Matematica – o constantă a culturii generale*, Proceedings of the sixth annual conference of the Romanian Society of Mathematical Sciences, Sibiu, 2003, 72-89

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