



Nume Prenume: Bucur Amelia
Gradul didactic: Conf. univ. dr.
Instituția unde este titular: Universitatea "Lucian Blaga" din Sibiu
Facultatea: Științe
Departamentul: Matematică și Informatică

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**, *Modele matematice în științele vieții. Suport de curs și seminar*, Editura Universității "Lucian Blaga" din Sibiu, Sibiu, 2025
2. **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,
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(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**, 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))
4. **Amelia Bucur**, *Tehnici de optimizare și numerice: schițe de teorie și aplicații*, Editura Universității "Lucian Blaga" din Sibiu, Sibiu, 2023
5. **Amelia Bucur**, *Numerical methods - topics for lectures and laboratory classes-*, Lucian Blaga of Sibiu Publishing House, Sibiu, 2022
6. **Amelia Bucur**, *Matematici speciale*, Editura Techno Media, Sibiu, 2021
7. **Amelia Bucur**, *Metode numerice*, Editura Techno Media, Sibiu, 2021
8. **Amelia Bucur**, *Matematică cu aplicații în ecologie și biologie – Suport de curs și seminar*, Editura Universității „Lucian Blaga” din Sibiu, Sibiu, 2020
9. Vasile Brătian (coordonator), **Amelia Bucur**, Claudiu Opreana, *Finanțe cantitative – Evaluarea valorilor mobiliare și gestiunea portofoliului*, Editura Universității „Lucian Blaga” din Sibiu, Sibiu, 2016
10. **Amelia Bucur**, *Contribuții la abordarea științifică a calității și managementului calității, prin modelare și simulare*, Editura Universității „Lucian Blaga” din Sibiu, Sibiu, 2015
11. **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>
12. **Amelia Bucur**, *Modelare și simulare cu privire la calitate și managementul calității*, Editura Universității „Lucian Blaga” din Sibiu, Sibiu, 2014
 13. Dumitru Acu, Dumitru Barac, Nicolae Suci, **Amelia Bucur**(colaborator) s.a.colaboratori, *Concursul interjudețean de matematică Gheorghe Lazăr*, Editura Asociațiunii Astra, Sibiu, 2010
 14. **Amelia Bucur**, *Metode de calcul a spectrelor fine pentru operatori de tip Cesaro*, Editura Universității Lucian Blaga, Sibiu, 2009
 15. Dumitru Acu, Nicolae Suci, **Amelia Bucur** s.a.editori, *Concursul interjudețean de matematică Gheorghe Lazăr*, Editura Asociațiunii Astra, Sibiu, 2009
 16. **Amelia Bucur**, Marian I.Olaru, *Ecuatii diferențiale. Note de curs*, Editura Universității Lucian Blaga, Sibiu, 2009
 17. Marian I.Olaru, **Amelia Bucur**, *Ecuatii cu derivate parțiale. Note de curs*, Editura Universității Lucian Blaga, Sibiu, 2009
 18. **Amelia Bucur**, *Probleme fundamentale de geometrie și aspecte metodice*, Editura Universității Lucian Blaga, Sibiu, partea I, 2006, partea II, 2008
 19. **Amelia Bucur**, *Matematici aplicate în biologie și ecologie*, Editura Universității Lucian Blaga Sibiu, 2008
 20. **Amelia Bucur**, Mioara Boncuț, *Cercetări operaționale. Note de curs și seminar*, Editura Universității Lucian Blaga Sibiu, 2007
 21. **Amelia Bucur**, *Modelare socială. Suport pentru curs și proiecte*, Editura Universității Lucian Blaga Sibiu, 2007
 22. 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
 23. Mioara Boncuț, **Amelia Bucur**, *Matematici speciale. Curs editat conform standardelor ID*, Editura Alma Mater, Sibiu, 2002
 24. **Amelia Bucur**, *Curs de analiză matematică*, Editura Alma Mater, Sibiu, 2002
 25. **Amelia Bucur**, *Matematică și statistică*, Editura Alma Mater, Sibiu, 2001
 26. Mioara Boncuț, **Amelia Bucur**, *Capitole de matematici speciale*, Editura Alma Mater, Sibiu, 2001
 27. Călin I. Gheorghiu, **Amelia Bucur**, *Matematici generale*, Editura Universității Lucian Blaga, Sibiu, 2001
 28. **Amelia Bucur**, *Capitole de algebră liniară, geometrie analitică și diferențială*, Vol. I și II, Editura Universității Lucian Blaga din Sibiu, vol.I, II, 2000
 29. **Amelia Bucur**, *Spectrele variantelor discrete ale unor operatori de mediere*, Editura Con-Edit, Sibiu, partea I, 1999
 30. **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: 001589668500008

Radu Ioan Neacșu, Horia Nițu, Anca Șipoș, Lucian Barbu-Tudoran, Adrian Nicoară, **Amelia Bucur** and Alina Ormenișan, *Water and solute permeability of membranes used in guided bone regeneration — An in vitro study*, Dental Materials Journal (Japonia), 44(5), 2025, 535-546

2. 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

3. 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

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-Ekonomiska 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 - Ekonomiska Istraživanja, vol.30, 1, 2017, 629-646
14. **WOS:000416114300011**
Liliana Guran, **Amelia Bucur**, *Fixed point problems for (α, ψ) - weakly contractive operator on KST spaces*, Filomat, WOS:000416114300011, 31:14, 2017, 4441–4454
15. **WOS:000370164800025**
Mihail Aurel Tițu, **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 - Ekonomiska 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**
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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
- 24. 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. 17th 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

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Constantin Oprean, **Amelia Bucur**, Alina Mihaela Vanu, *A Mathematical Model of the Innovation Indicator*, Proc. 5th Balkan Region Conference on Engineering and Business Education & 2nd International Conference on Engineering and Business Education, Sibiu, Romania, 15 - 17 octombrie 2009, 194-198

35. WOS:000257699300006

Mioara Boncuț, **Amelia Bucur**, *About Fourier Series in Study of Periodic Signals*, Proceedings of the 9th WSEAS 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. Andrei-Nicușor Ilina, **Amelia Bucur**, *Mathematical modelling and simulation as strategic tools in sustainable development management and soil pollution analysis*, Management of Sustainable Development, 2026 (acceptat pentru publicare)
2. **Amelia Bucur**, Adrian Nicolae Branga, *On Mathematical Optimization, Software and Artificial Intelligence as Force Multipliers in Modern Military Applications*, Journal of Zhengzhou University-Natural Science Edition (ISSN: 1671-6841), 57(1), 2026, 185-190
3. **Amelia Bucur**, *A fixed-point approach to a multi-group SEIRV epidemic model*, Journal of Prime Research in Mathematics, 18(2) (2022), 144-151
4. **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
5. **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
6. **Amelia Bucur**, *Fixed Point Theorems for ψ - Contractions in Generalized Metric Spaces with Vectorial Metric*, International Journal of Applied Mathematics and Statistics, vol.10, nr.M11, India, martie 2011, 11-15

Indexate BDI

7. **Amelia Bucur**, *About Fractional Programming Problems and SIR Models*, European Journal of Theoretical and Applied Sciences (EJTAS), vol.3, nr.1, 2025, 179-197
8. Adrian Nicolae Branga, **Amelia Bucur**, *About the Modeling, Optimization and Simulation of a Stationary Infinite Horizon Problem from the Financial Field*, European Journal of Theoretical and Applied Sciences (EJTAS), vol.3, nr.4, 2025, 37-47
9. **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
10. **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

11. **Amelia Bucur**, *Calculations of Some Trigonometric Interpolation Polynomials and Some Graphical Representations in Maple*, International Journal of Advance Study and Research Work (IJASRW), vol.5, nr.7, 2022, 1-13
12. **Amelia Bucur**, *Some aspects about mathematical modeling for epidemic management*, Management of Sustainable Development, vol.13, nr.2, 2021, 19-28
13. **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
14. **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
15. 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
16. **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
17. 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
18. **Amelia Bucur**, *The fine spectra of some Cesaro operators*, Journal of Dynamical systems and geometric theories, vol. 2, Iran, 2004, 27-33
19. **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
20. **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
21. **Amelia Bucur**, *Entropy and Conditioned Negentropy – Mathematical Models for the Analysis of Quality*, Revista Academiei Forțelor Terestre, nr.2(78), Sibiu, 2015, 217-225
22. **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
23. **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
24. **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
25. 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
26. 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
27. **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
28. **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
29. Constantin Oprean, Mihaela Alina Vanu and **Amelia Bucur**, *Innovation and Quality Management*, Revista Română a Inovării, nr.6-7, Bucuresti, 2010, 47-53
30. **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
31. 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
32. Cristina Tănăsescu, **Amelia Bucur**, *An Approach Dating Romanian Business Cycle's Turning Points*, Proc. 17th International Economic Conference (IECS), Sibiu, 2010, 624-629
33. Constantin Oprean, Mihaela Alina Vanu and **Amelia Bucur**, *Sustainable Development Modeling*, Management of Sustainable Development, vol.1, nr.2, Sibiu, 2009, 10-18
34. Cristina Tănăsescu, **Amelia Bucur**, *Modelling of Economic Cycles and Maximal Elements in Competitive Abstract Economies in the Context of Sustainable Development*, Management of

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35. 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
 36. Constantin Oprean, Alina Mihaela Vanu, **Amelia Bucur**, *Organizational wellness modelling*, Review of International Comparative Management, vol.10, no.4, Bucuresti, 2009, 622-632
 37. **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
 38. Arif Rafiq, **Amelia Bucur**, *On Modified Noor Iterations for Strongly Pseudocontractive Mappings*, General Mathematics, vol.15, no.3, Sibiu, 2009, 187-201
 39. **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
 40. **Amelia Bucur**, *General Mathematics-Fifteen Years of Publication*, General Mathematics, vol.16, no. 1, Sibiu, 2008, 3-4
 41. **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
 42. 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
 43. **Amelia Bucur**, *Short book review: Spectral Methods for Differential Problems Author: C.I. Gheorghiu*, General Mathematics, vol.15, nr. 4, Sibiu, 2007, 117-118
 44. **Amelia Bucur**, *About Asymptotic Behaviour of Solutions of Differential Equations as $x \rightarrow \infty$* , General Mathematics, vol.14, nr. 2, Sibiu, 2006, 55-58
 45. **Amelia Bucur**, *About the Second-Order Equations with Variable Coefficients*, General Mathematics, vol.14, nr.3, Sibiu, 2006, 39-42
 46. **Amelia Bucur**, *Short reviews: Polinoame ortogonale*, General Mathematics, vol.12, no.1, Sibiu, 2005, 109-110
 47. **Amelia Bucur**, *Boundness of Cesaro Means Operators*, General Mathematics, vol.13, no.1, Sibiu, 2005, 11-22
 48. **Amelia Bucur**, *On the Sixtieth Birthday of Prof. Dr. Dumitru Acu*, General Mathematics, vol. 13, no. 2, Sibiu, 2005, 3-22
 49. **Amelia Bucur**, *Posinormality versus hyponormality for Cesaro operators*, General Mathematics, vol.11, nr. 1-2, Sibiu, 2003, 33-46
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