Curriculum vitae Europass

Personal information	
First name(s) / Surname(s)	**Ana Maria Acu**
Address(es)	
Telephone(s)	+40-269-215043 Department of Mathematics from ULBS Mobile:
Fax(es)	+40-269-215043 Department of Mathematics from ULBS
E-mail	
	Education/Education-University
Work experience	19 years
Dates	From 2017 up to now
Occupation or position held	Professor
Main activities and responsibilities	Teaching at the university, research work in Approximation Theory
Name and address of employer	Lucian Blaga University from Sibiu, Victoriei Avenue, No. 10, 550024 Sibiu, Romania
Type of business or sector	education
Dates	From 2014 until 2017
Occupation or position held	Associate Professor
Main activities and responsibilities	Teaching at the university, research work in Approximation Theory
Name and address of employer	Lucian Blaga University from Sibiu, Victoriei Avenue, No. 10, 550024 Sibiu, Romania
Type of business or sector	education
Dates	From 2008 until 2014
Occupation or position held	Lecturer
Main activities and responsibilities	Teaching at the university, research work in Approximation Theory
Name and address of employer	Lucian Blaga University from Sibiu, Victoriei Avenue, No. 10, 550024 Sibiu, Romania
Type of business or sector	education
Dates	From 2003 until 2008
Occupation or position held	Assistant Professor
Main activities and responsibilities	Teaching, research work
Name and address of employer	Lucian Blaga University from Sibiu, Victoriei Avenue, No. 10, 550024 Sibiu, Romania
Type of business or sector	education
Dates	From 2000 until 2003
Occupation or position held	Preparatory Assistant
Main activities and responsibilities	Teaching, research work

Name and address of employer	Lucian Blaga University from Sibiu, Victoriei Avenue, No. 10, 550024 Sibiu, Romania
Type of business or sector	education
Education	
Dates	2016
Title of qualification awarded	Habilitation
Principal subjects/occupational skills covered	Numerical Analysis/ Mathematics
Name and type of organisation providing education and training	Tehnical University of Cluj-Napoca, Romania
Level in national or international classification	professor
Dates	2000-2007
Title of qualification awarded	Doctor (Ph.D.) in Mathematics
Principal subjects/occupational skills covered	Numerical Analysis/ Mathematics
Name and type of organisation providing education and training	Babeş-Bolyai University from Cluj-Napoca
Level in national or international classification	professor
Dates	1996-2000
Title of qualification awarded	Mathematician
Principal subjects/occupational skills covered	mathematics
Name and type of organisation providing education and training	Lucian Blaga University from Sibiu, Faculty of Sciences
Level in national or international classification	Bachelor
Personal skills and competences	
Mother tongue(s)	**Roumanian**
Other language(s)	

Self-assessment		Understanding			Speaking				Writing	
European level (*)		Listening		Reading	Spoken interaction		Spoken production			
English	B1	Average	B1	Average	B1	Average	B1	Average	B1	Average

Social skills and competences	- Teamwork capacity - Adaptability to multicultural diversity

Training courses	• Mathematics and Computer-Aided Modeling in Sciences intensive school, Novi Sad, 27-29 May, 2011
	• Participation to the SUMMER ACADEMY with the topic ” Perspective noi in didactică. De la centrarea pe elev la abordarea prin competenţe", organized by ” 1 Decembrie 1918” University of Alba Iulia, 1-12 August 2011. This activity was part of the project POSDRU/87/1.3/S/63709.
	• Participation in the Training Program „*Didactica Specialităţii Predării Matematicii",* attending to the following modules:
	  - Elaboration of the training program in the field of didactics of specialty
	  - Modern methods of training in didactics of specialty
	  - Methods and coaching techniques used during the pedagogical practice
	• Participation to the training courses in the project POSDRU/86/1.2/S/61878: “Excelenţă academică în învăţământul la distanţă şi învăţământul cu frecventă redusă-un demers pentru calitate”.
	• Participation to the Annual Didactic Conference organized by “1 Decembrie 1918” University of Alba Iulia, 5-7 August, 2013
	• Participation in the training workshop “Excelentă în predare. Exemple de bune practici" organized by Lucian Blaga University of Sibiu, 21 February 2014.

Organisational skills and competences	Member in scientific organizations:
	- Member of Romanian Mathematical Society since 2001 - Member of American Mathematical Society since 2008 - Member of Romanian Society of Applied and Industrial Mathematics ROMAI - Member of Research Center in Mathematics and Applications of Lucian Blaga University of Sibiu

	Member in Editorial Board of Scientific Journals:
	     - Editor at "Results in Mathematics" since 2016
	     http://www.springer.com/birkhauser/mathematics/journal/25
	     - "Mathematical Foundations of Computing" since 2019
	     https://www.aimsciences.org/journal/A0000-0001
	     - Editor at "ISST Journal of Mathematics & Computing System" since 2009
	     http://www.isst.org.in/index.php?ijmcs
	     - Editor at "International Journal of Applied Mathematical Research"
	     http://www.sciencepubco.com/index.php/ijamr/about/editorialTeam
	     - Editor at "Poincare Journal of Analysis and Applications"
	     http://www.pjaa.poincarepublishers.com/editorial-board/
	     - Associat Editor at "General Mathematics" Romania since 2011
	     http://depmath.ulbsibiu.ro/genmath/EditorialBoard.html
	     - Journal of Advances in Applied & Computational Mathematics
	     http://www.avantipublishers.com/editorial-board-member-jaacm/
	     - Journal of Earth Engineering
	     http://www.journalee.org/EditorialBoard
	     - Asian Journal of Algebra
	     https://scialert.net/jhome.php?issn=1994-540x
	     - Mathematical Reviews reviewer since 2009
	     - Zentralblatt Math reviewer since 2008
	     - Reviewer for ISI journals(Journal of Computational and Applied Mathematics, Mathematical and Computer Modelling, Computers and Mathematics with Applications, Hacettepe Journal of Mathematics and Statistics, Results in Mathematics, Carpathian Journal of Mathematics, Applied Mathematics and Computation, Numerical Functional Analysis and Optimization, Georgian Mathematical Journal, Journal of Number Theory)
	     - Vice chairman of Mathematical Competition "Georghe Lazar", Sibiu, 2011-2016

	Member in scientific/organizing committees of International symposiums/conferences: - The International Conference on Approximation Theory and its Applications, 10-13 October, 2019, Sibiu - The 13th Romanian - German Seminar on Approximation Theory and Its Applications, Technical University of Cluj-Napoca Faculty of Automation and Computer Science, Department of Mathematics, 3-6 July, 2019, Romania. - The Romanian-German Seminar on Approximation Theory and its Applications, 21-22 April 2017, Oradea, Romania - The International Conference on Approximation Theory and its Applications, 26-29 May, 2016, Sibiu - International Conference on Theory and Applications of Mathematics and Informatics, Alba Iulia 2015. - The 11th Romanian German Seminar on Approximation Theory and its Applications Sibiu, 29 May-1 June, 2014 - The 10th Romanian German Seminar on Approximation Theory and its Applications Sibiu, 24-27 May, 2012 - International Conference on Theory and Applications of Mathematics and Informatics, Alba Iulia 2011 - The 13th WSEAS International Conference on SYSTEM", Rodos Island, Greece, July 22-24, 2009 - International Conference on Theory and Applications of Mathematics and Informatics, Alba Iulia 2009. - Romanian- German Symposium on Mathematics and Its Applications Sibiu, May 14-17, 2009. - The 8th Romanian German Seminar on Approximation Theory and its Applications Sibiu, 28 May-1 June, 2008 - International Symposium "Mathematical Inequalities" , 25 – 27 September , Sibiu 2008" - International Symposium on Complex Analysis, 26-29 August, Sibiu 2007 - International Conference on Theory and Applications of Mathematics and Informatics, Alba Iulia 2007

	Membership in professional organizations: • Member of the Council of Faculty of Sciences, Lucian Blaga University of Sibiu • Secretary of Admission Exam at Faculty of Sciences, Lucian Blaga University of Sibiu
Expert evaluator	ndividual evaluator of projects for the Executive Agency for Higher Education, Research, Development and nnovation Funding (UEFISCDI), Romania
Computer skills and competences	Microsoft Office, HTML, LaTeX

Other skills and competences	Distinctions:
	• ULB Sibiu Prize "Ad augusta per angusta" to rewarding the results of young researchers, 2013
	• Prize of research paper by Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI)
	
	Scientific activity:
	     • two monographies
	     • five universitary coursses and two selections
	     • more then 90 published papers in scientific journals
	- Editor at „ The 12th International conference on approximation Theory and its Applications, 26-29 May, 2016, Sibiu.
	- Editor at " Proceedings of The 11th Romanian German Seminar on Approximation Theory and its Applications, Sibiu, 29 May-1 June, 2014"
	- Editor at " Proceedings of The 10th Romanian German Seminar on Approximation Theory and its Applications, Sibiu, 24-27 May, 2012"
	- Editor at " Proceedings of The 8th Romanian German Seminar on Approximation Theory and its Applications, Sibiu, 28 May-1 June, 2008"
	- Editor at " Proceedings of the Fifth International Symposium "Mathematical Inequalities", 25 – 27 September, Sibiu 2008
	- Mathematical Analysis I: Approximation Theory ICRAPAM 2018, New Delhi, India, October 23–25, Editors: Deo, N., Gupta, V., Acu, A.M., Agrawal, P.N. (Eds.), Springer Proceedings in Mathematics & Statistics, 2020.
	- Mathematical Analysis II: Optimisation, Differential Equations and Graph Theory, ICRAPAM 2018, New Delhi, India, October 23–25, Editors: Deo, N., Gupta, V., Acu, A.M., Agrawal, P.N. (Eds.), Springer Proceedings in Mathematics & Statistics, 2020.
	
	- Invited speaker at 5 coloquium or seminar talks at „ Duisburg-Essen" University , Germany.
	
	   1. 19 June 2009- "Duisburg-Essen University", Germany
	     Generalization of some classical quadrature formulas
	   2. 20 January 2010- "Duisburg-Essen University", Germany
	     Extremal Problems for Polynomials
	   3. 28 January 2010- "Duisburg-Essen University", Germany
	     Some methods for construction of quadrature formulas
	   4. 25 November 2011-"Duisburg-Essen University", Germany
	     Some corrected optimal quadrature formulas
	   5. 26 April 2013-"Duisburg-Essen University", Germany
	     Inequalities for a linear functional
	
	- Invited speaker in 13 October 2015 at Kirikkale University, Turkey
	New estimations for the differences of positive linear operators
	
	- Invited speaker at International Conference on Differential Geometry, Algebra and Analysis, November 15-17, 2016, Jamia Millia Islamia, India
	Differences of positive linear operators
	
	- Invited speaker in 18 November 2016 at Delhi Technological University, India
	Approximation by certain positive linear operators
	
	- Invited speaker in 19 November 2016 at Dr. B.R. Ambedkar University, Agra, India
	Some problems in approximation by linear positive operators
	
	- Invited speaker in 18 May 2017 at Sofia University, Faculty of Mathematics and Informatics, Bulgaria
	Some problems in Approximation by linear positive operators
	
	- Invited speaker at International Conference on Recent Advances in Pure and Applied Mathematics, 23-25 October 2018, New Delhi, India.
	Perturbed Bernstein-type operators
	
	- Invited speaker at International Conference on Mathematics : An Istanbul Meeting for World Mathematicians, 3-6 July, Istanbul, Turkey, 2018.
	Approximation by certain positive linear operators

- **Local projects**

1. Research grants LBUS-IRG-2015-01, No.2032/7 financed from Lucian Blaga University of Sibiu (Mathematical Inequalities and its Applications in Approximation Theory)
2. Research grants LBUS-IRG-2016-02, Nr. 3209 financed from Lucian Blaga University of Sibiu (Approximation by certain positive linear operators)
3. Research grants LBUS-IRG-2017-03, Nr. 3081 financed from Lucian Blaga University of Sibiu (Rate of convergence of summation-integral type operators)
4. Research grants LBUS-IRG-2018-04, Nr. 3414 financed from Lucian Blaga University of Sibiu (Approximation by Durrmeyer type operators)
5. Research grants LBUS-IRG-2019-05, Nr. 3083 financed from Lucian Blaga University of Sibiu & Hasso Plattner Foundation research grants (Representations for the inverses of certain operators)

- **International projects:**

1. Visiting Lecturer at Duisburg-Essen University, 4-29 January, 2010 (DAAD program dedicated to „Academic Reconstruction of South-Eastern Europe")
2. Visiting Lecturer at Duisburg-Essen University, 15 February-12 March, 2010, (DAAD program dedicated to „Academic Reconstruction of South-Eastern Europe")
3. Visiting Lecturer at Duisburg-Essen University, 4-29 January, 2012, (DAAD program dedicated to „Academic Reconstruction of South-Eastern Europe")
4. 15-29 June 2009- "Duisburg-Essen University", Germany (ERASMUS program)
5. 14-28 November 2011- "Duisburg-Essen University", Germany (ERASMUS program)
6. 15-27 April 2013- "Duisburg-Essen University", Germany (ERASMUS program)
7. 8-20 July 2014- "Duisburg-Essen University", Germany (ERASMUS program)
8. 18 -26 September 2015- Technological Educational Institute of Thessaly, Greece (ERASMUS program)
9. Visiting Lecturer at Kirikkale University, Turkey , 12-19 October, 2015.
10. Visiting Lecturer at Delhi Technological University, India, 16-18 Noiembrie, 2016
11. Visiting Lecturer at Dr. B.R. Ambedkar University, Agra, India, 19-20 Noiembrie, 2016
12. Visiting Lecturer at Indian Institute of Technology Roorkee, India, 21-23 Noiembrie, 2016
13. 14-19 May 2017 at University of Architecture, Civil Engineering and Geodesy, Sofia, Bulgaria (ERASMUS program)
14. 15-23 June 2018- Technological Educational Institute of Thessaly, Greece (ERASMUS program)
15. Visiting Lecturer at University of Wuppertal, 1-29 April 2019.
16. 28 May-3 June 2019 at University of Architecture, Civil Engineering and Geodesy, Sofia, Bulgaria (ERASMUS program)
17. 21-30 July 2019 Ateneo de Manila University, Philippines, Erasmus+ Partner Countries programme
18. Visiting scientist at Ankara University during 2-16 November 2019, supported by The Scientific and Technological Research Council of Turkey, "2221 - Fellowships for Visiting Scientists and Scientists on Sabbatical Leave, with application numbers (1059B211900262)
19. Erasmus coordinator with
    - University of Architecture, Civil Engineering and Geodesy, Sofia, Bulgaria,
    - Technological Educational Institute of Thessaly, Greece
    - Kirikkale University, Turkey
    - Ankara University, Turkey
    - Abant Izzet Baysal University, Turkey
    - Sinop University, Turkey

- **other projects:**
1. Proiect POSDRU/87/1.3/S/63709: Calitate, inovare, comunicare in sistemul de formare continua a didacticienilor din invatamantul superior (member of the target group).
2. Proiect POSDRU/86/1.2/S/61878: Excelenţă academică în învăţământul la distanţă şi învăţământul cu frecventă redusă-un demers pentru calitate, 2007-2013 (member of the target group).
3. Mobility projects for researchers; project code: PN-III-P1-1.1-MC-2018-1041, supported by Executive Unit for Financing Higher Education, Research, Development and Innovation (UEFISCDI)
4. Mobility projects for researchers; project code: PN-III-P1-1.1-MC-2019-0957, supported by Executive Unit for Financing Higher Education, Research, Development and Innovation (UEFISCDI)

- **46 participations to international mathematical meetings.**

1. APPLIED MATHEMATICS AND SCIENTIFIC COMPUTING, BRIJUNI, CROATIA, JULY 9-13, 2007,
2. INTERNATIONAL SYMPOSIUM ON COMPLEX ANALYSIS, SIBIU, 26-29 AUGUST, 2007,
3. INTERNATIONAL CONFERENCE ON THEORY AND APPLICATIONS OF MATHEMATICS AND INFORMATICS, 29 AUGUST-2 SEPTEMBER, ALBA-IULIA, 2007
4. THE 8th ROMANIAN GERMAN SEMINAR ON APPROXIMATION THEORY AN ITS   APPLICATIONS, 28 MAY-1 JUNE, SIBIU, 2008
5. THE 12th WSEASE INTERNATIONAL CONFERENCE ON COMPUTERS, HERAKLION, GREECE, JULY 23 -   25, 2008
6. THE TWELFTH INTERNATIONAL CONFERENCE ON APPLIED MATHEMATICS COMPUTER SCIENCE AND MECHANICS,

	7. THE FIFTH INTERNATIONAL SYMPOSIUM " MATHEMATICAL INEQUALITIES", 25-27 SEPTEMBER, SIBIU, 2008. 8. INTERNATIONAL WORKSHOP "NEW TRENDS IN APPROXIMATION, OPTIMIZATION AND CLASSIFICATION", OCTOBER 1-5, SIBIU, 2008. 9. THE 14th INTERNATIONAL CONFERENCE -KNOWLEDGE BASED ORGANIZATION- LAND FORCES ACADEMY, NOIEMBRIE, SIBIU, 2008. 10. ROMANIAN-GERMAN SYMPOSIUM ON MATHEMATICS AND ITS APPLICATIONS, SIBIU MAY 14-17, 2009. 11. THE 5TH INTERNATIONAL CONFERENCE "DYNAMICAL SYSTEM AND APPLICATIONS" CONSTANTA, JUNE 15-18, 2009. 12. INTERNATIONAL CONFERENCE ON THEORY AND APPLICATIONS IN MATHEMATICS AND INFORMATICS, 3-6 SEPTEMBER, ALBA-IULIA, ROMANIA, 2009. 13. THE XII-TH SYMPOSIUM OF MATHEMATICS AND ITS APPLICATIONS, 5-7 NOVEMBER, TIMISOARA, ROMANIA, 2009. 14. INTERNATIONAL SYMPOSIUM "TWENTY YEARS OF MATHEMATICS IN THE LUCIAN BLAGA UNIVERSITY OF SIBIU, 14-15 MAY, 2010 15. SEVENTH INTERNATIONAL CONFERENCE ON APPLIED MATHEMATICS, BAIA MARE, SEPTEMBER 1-4, 2010 16. MATHEMATICS AND COMPUTER-AIDED MODELING IN SCIENCES INTENSIVE SCHOOL – NOVI SAD, 27-29 MAY, 2011 17. THE 9TH CONFERENCE ON NONLINEAR ANALYSIS AND APPLIED MATHEMATICS, TARGOVISTE, 10-11 JUNE, 2011 18. THE 8 TH INTERNATIONAL CONFERENCE ON APPLIED MATHEMATICS, BAIA-MARE , 27-30 OCTOBER 2011 19. INTERNATIONAL CONFERENCE ON THEORY AND APPLICATIONS IN MATHEMATICS AND INFORMATICS, 21-24 JULY, 2011, ALBA-IULIA 20. „GHEORGHE VRANCEANU" NATIONAL CONFERENCE ON METHEMATICS AND INFORMATICS WITH INTERNATIONAL PARTICIPATION, BACAU, 26-28 MAY, 2011 21. THE 17-TH INTERNATIONAL CONFERENCE, THE KNOWLEDGE-BASED ORGANISATION, APPLIED TECHNICAL SCIENCES AND ADVANCED MILITARY TECHNOLOGIES, 24-26 NOVEMBER, 2011, SIBIU. 22. OBERSEMINAR RHEIN-RUTH, DUISBURG-ESSEN UNIVERSITY, 26 NOVEMBER, 2011 23. THE 10TH ROMANIAN GERMAN SEMINAR ON APPROXIMATION THEORY AND ITS APPLICATIONS, 24-27 MAY, 2012, SIBIU. 24. OBERSEMINAR RHEIN-RUTH, DUISBURG-ESSEN UNIVERSITY, 26 APRIL, 2013 25. THE 13TH INTERNATIONAL CONFERENCE ON MATHEMATICS AND ITS APPLICATIONS, NOVEMBER, 1-3, 2012, TIMISOARA 26. "GHEORGHE VRANCEANU" NATIONAL CONFERENCE ON METHEMATICS AND INFORMATICS, BACAU, 31th OF MAY, 2013 . 27. THE 19TH INTERNATIONAL CONFERENCE –THE KNOWLEDGE BASED ORGANIZATION- APPLIED TECHNICAL SCIENCES AND ADVANCED MILITARY TECHNOLOGIES CONFERENCE, 13-15 JUNE 2013, SIBIU. 28. JOINT INTERNATIONAL MEETING OF THE AMERICAN MATHEMATICAL SOCIETY AND THE ROMANIAN MATHEMATICAL SOCIETY, JUNE 27-30, 2013, ALBA IULIA. 29. THE FOURTEENTH INTERNATIONAL ON APPLIED MATHEMATICS AND COMPUTER SCIENCE, CLUJ-NAPOCA ROMANIA, AUGUST 29-31, 2013. 30. THE 9TH INTERNATIONAL CONFERENCE ON APPLIED MATHEMATICS, BAIA MARE, 25-28 SEPTEMBER, 2013. 31. THE 11TH ROMANIAN GERMAN SEMINAR ON APPROXIMATION THEORY AND ITS APPLICATIONS, 29 MAY-1JUNE, 2014, SIBIU. 32. OBERSEMINAR RHEIN-RUTH, WUPPERTAL UNIVERSITY, 18 JULY, 2014 33. GLOBAL NETWORK CONFERENCE ON EMERGENCY MEDICINE, MOHAMMED BIN RASHID ACADEMIC MEDICAL CENTER, DUBAI, 25TH-29TH, APRIL 2014. 34. THIRD INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPROXIMATION THEORY, CLUJ-NAPOCA, SEPTEMBER 17-20, 2014. 35. The 14th INTERNATIONAL CONFERENCE ON MATHEMATICS AND ITS APPLICATIONS, TIMISOARA 4-7 NOVEMBER, 2015. 36. THE 12TH INTERNATIONAL CONFERENCE ON APPROXIMATION THEORY AND ITS APPLICATIONS, 26-29 MAY, 2016, SIBIU. 37. 15TH INTERNATIONAL CONFERENCE ON APPLIED MATHEMATICS AND COMPUTER SCIENCE 5-7 JULY, 2016, CLUJ-NAPOCA. 38. INTERNATIONAL CONFERENCE ON DIFFERENTIAL GEOMETRY, ALGEBRA AND ANALYSIS, NOVEMBER 15-17, JAMIA MILLIA ISLAMIA, INDIA. 39. THE 9TH EDITION OF "GHEORGHE VRANCEANU" CONFERENCE ON MATHEMATICS AND INFORMATICS, DECEMBER 6TH, 2016, BACAU. 40. THE ROMANIAN-GERMAN SEMINAR ON APPROXIMATION THEORY AND ITS APPLICATIONS, 21-22 APRIL 2017, ORADEA, ROMANIA 41. INTERNATIONAL CONFERENCE ON MATHEMATICS: AN ISTANBUL MEETING FOR WORLD MATHEMATICIANS, 3-6 JULY, ISTANBUL, TURKEY, 2018 42. FOURTH INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPROXIMATION THEORY, CLUJ-NAPOCA, SEPTEMBER 6-9, 2018. 43. INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN PURE AND APPLIED MATHEMATICS, 23-25 OCTOBER, NEW DELHI, 2018 44. INTERNATIONAL CONFERENCE CONSTRUCTIVE THEORY OF FUNCTIONS, 3-8 JUNE, 2019 SOZOPOL, BULGARIA 45. THE 13TH ROMANIAN-GERMAN SEMINAR ON APPROXIMATION THEORY AND ITS APPLICATIONS, TECHNICAL UNIVERSITY OF CLUJ-NAPOCA FACULTY OF AUTOMATION AND COMPUTER SCIENCE, DEPARTMENT OF MATHEMATICS, 3-6 JULY, 2019, CLUJ-NAPOCA, ROMANIA. 46. THE INTERNATIONAL CONFERENCE ON APPROXIMATION THEORY AND ITS APPLICATIONS, 10-13 OCTOBER, 2019, SIBIU
Annexes	**List of papers**

List of papers

1. A.M. Acu, G. Bascanbaz-Tunca, I. Rasa, Information potential for some probability density functions, Applied Mathematics and Computation, Volume: 38 , Article Number: 125578, 2021. (WoS)
2. A.M. Acu, M. Heilmann, I. Rasa, Strong Converse Results for Linking Operators and Convex Functions, Journal of Function Spaces, Volume: 2020 , Article Number: 4049167, 2020. (WoS)
3. A.M. Acu, I. Rasa, Elementary hypergeometric functions, Heun functions, and moments of MKZ operators, Revista de la Real Academia de Ciencias Exactas Fisicas Y Naturales Serie A-Matematicas, 115(1) 2020, Article Number: 20. (WoS)
4. A.M. Acu, I. Rasa, A C-0-Semigroup of Ulam Unstable Operators, 12(11) 2020, Article Number: 1844. (WoS)
5. A.M. Acu, A. Maduta, D. Otrocol, I. Rasa, Inequalities for Information Potentials and Entropies, Mathematics, 8(11) 2020, Article Number: 2056 . (WoS)
6. A.M. Acu, H. Gonska, Perturbed Bernstein-type operators, Analysis and Mathematical Physics, 10(4) 2020, Article Number: 49. (WoS)
7. A.M. Acu, M. Dancs, V.A. Radu, Reprezentations for the inverses of certain operators, Communications on Pure and Applied Analysis, 19(8) 2020, 4097-4109. (WoS)
8. A.M. Acu, G. Bascanbaz-Tunca, Approximation by Complex Perturbed Bernstein-Type Operators, Results in Mathematics, 75(3) 2020, Article Number: 120. (WoS)
9. A.M. Acu, I. Rasa, Ulam Stability for the Composition of Operators, Symmetry-Basel, 12(7) 2020, Article Number: 1159. (WoS)
10. A.M. Acu, G. Bascanbaz-Tunca, N. Cetin, Approximation by certain linking operators, Annals of Functional Analysis, 11(4) 2020, 1184-1202. (WoS)
11. A.M. Acu, M. Heilmann, I. Rasa, Iterates of convolution-type operators, 2020, Positivity.
12. A.M. Acu, L. Hodis, I. Rasa, Multivariate weighted Kantorovich operators, Mathematical Foundations of Computing, 3(2) 2020, 117-124. (WoS)
13. V. Gupta, A.M. Acu, H.M. Srivastava, Difference of Some Positive Linear Approximation Operators for Higher-Order Derivatives, Symmetry-Basel, 12(6) 2020, Article Number: 915 . (WoS)
14. A.M. Acu, S. Hodis, I. Rasa, Estimates for the Differences of Certain Positive Linear Operators, Mathematics, 8(5) 2020, Article number 798. (WoS)
15. T. Neer, A.M. Acu, P.N. Agrawal, Baskakov-Durrmeyer type operators involving generalized Appell Polynomials, Mathematical Methods in the Applied Sciences, 43(6) 2020, 2911-2923. (WoS)
16. P.N. Agrawal, A.M. Acu, R. Ruchi, q-Generalized Bernstein-Durrmeyer Polynomials, Journal of Mathematical Inequalities, Volume: 14 Issue: 1 Pages: 211-235 Published: MAR 2020. (WoS)
17. Acu A.M., Radu V.A. (2020) Approximation by Certain Operators Linking the α-Bernstein and the Genuine α-Bernstein–Durrmeyer Operators. In: Deo N., Gupta V., Acu A., Agrawal P. (eds) Mathematical Analysis I: Approximation Theory. ICRAPAM 2018. Springer Proceedings in Mathematics & Statistics, vol 306. Springer, Singapore
18. A. Ratiu, A.M. Acu, T. Acar, D.F. Sofonea, Certain positive linear operators with better approximation properties, Mathematical Methods in the applied sciences, Volume: 42 Issue: 16 Special Issue: SI Pages: 5133-5142 Published: NOV 15 2019
19. A.M. Acu, T. Acar, C.V. Muraru, V.A. Radu, Some approximation properties by a class of bivariate operators, Mathematical Methods in The Applied Sciences, Volume: 42 Issue: 16 Special Issue: SI Pages: 5551-5565 Published: NOV 15 2019.
20. A.M. Acu, H. Gonska, Classical Kantorovich operators revisited, Ukrainian Mathematical Journal, Volume: 71 Issue: 6, Pages: 843-852 Published: NOV 2019
21. A.M. Acu, I. Rasa, Estimates for the differences of positive linear operators and their derivatives, Numerical Algorithms, (2019). https://doi.org/10.1007/s11075-019-00809-4
22. Neer, Trapti; Acu, Ana Maria; Agrawal, P. N., Degree of approximation by Chlodowsky variant of Jakimovski-Leviatan-Durrmeyer type operators, Revista De La Real Academia De Ciencias Exactas Fisicas Y Naturales Serie A-Matematicas, Volume: 113 Issue: 4 Pages: 3445-3459 Published: OCT 2019.
23. T. Garg, A.M. Acu, P.N. Agrawal, Weighted approximation and GBS of Chlodowsky-Szasz-Kantorovich type operators, Analysis and Mathematical Physics, Volume: 9 Issue: 3 Pages: 1429-1448 Published: SEP 2019
24. A.M. Acu, O. Dogru, C.V. Muraru, V.A. Radu, Approximation properties of certain Bernstein-Stancu type operators, Journal of Mathematical Inequalities, Volume: 13 Issue: 3 Pages: 687-702 Published: SEP 2019.
25. A.M. Acu, V. Gupta, G. Tachev, Better Numerical Approximation by Durrmeyer Type Operators, Results in Mathematics, Volume: 74 Issue: 3 Article Number: UNSP 90 Published: SEP 2019
26. Rahman, Shagufta; Mursaleen, Mohammad; Acu, Ana Maria, Approximation properties of lambda-Bernstein-Kantorovich operators with shifted knots, Mathematical Methods in the Applied Sciences, Volume: 42 Issue: 11 Pages: 4042-4053 Published: JUL 30 2019
27. T. Garg, A.M. Acu, P.N. Agrawal, Further results concerning some general Durrmeyer type operators, Revista De La Real Academia De Ciencias Exactas Fisicas Y Naturales Serie A-Matematicas, Volume: 113 Issue: 3 Pages: 2373-2390 Published: JUL 2019
28. A.M. Acu, T. Acar, V.A. Radu, Approximation by modified U-n (rho) operators, Revista De La Real Academia De Ciencias Exactas Fisicas Y Naturales Serie A-Matematicas, Volume: 113 Issue: 3 Pages: 2715-2729 Published: JUL 2019
29. Vijay Gupta, Gancho Tachev, Ana-Maria Acu, Modified Kantorovich operators with better approximation properties, Numerical Algorithms, Volume: 81 Issue: 1 Pages: 125-149 Published: MAY 2019 (WoS)
30. N. Rao, A. Wafi, A.M. Acu, q-Szasz-Durrmeyer Type Operators Based on Dunkl Analogue, Complex Analysis and Operator Theory, Volume: 13 Issue: 3 Pages: 915-934 Published: APR 2019
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