Universitatea „1 DECEMBRIE 1918” din ALBA IULIA
Facultatea de Ştiinţe
Departamentul de Ştiinţe Exacte şi Inginereşti
Candidat*: Prof. univ. dr.* ***Breaz Marcela Nicoleta***

LISTA DE LUCRĂRI

A) Teza de doctorat

Titlul tezei: *Metode numerice în statistică bazate pe funcţii spline, 2004*
Coordonator: Prof.Univ.Dr. Petru Blaga,
Instituţie: Universitatea “Babeş-Bolyai” din Cluj-Napoca
Perioada: 1998-2004
Domeniu: Matematică (Analiză matematică)
Subdomenii: Analiză numerică-Analiză funcţională-Funcţii spline-Statistică-Modelare matematică-Algebră liniară

B) Cărţi publicate şi capitole în cărţi

1. Cărţi/capitole în cărţi publicate în edituri (listă selectivă):

1. **Nicoleta Breaz**, L. Căbulea, A. Pitea, Gh. Zbăganu, R. Luca Tudorache, I. Rasa, *Probabilităţi şi statistică*, Ed. StudIS, 2013, ISBN 978-606-624-309-4 (prin POSDRU/56/1.2/S/32768)
2. **Nicoleta Breaz**, M. Crăciun, P.Gaşpar, M. Miroiu, I.Paraschiv-Munteanu, *Modelare matematică prin Matlab*, Ed. StudIS, 2013, ISBN 978-606-624-303-2 (prin POSDRU/56/1.2/S/32768)
3. D. Breaz, N. Suciu, P. Gaşpar, Gh. Barbu, M. Pârvan, V. Prepeliţă, **Nicoleta Breaz**, *Transformări integrale şi funcţii complexe cu aplicaţii în tehnică, vol.1, Funcţii complexe cu aplicaţii în tehnică,* Ed. StudIS, 2013, ISBN general 978-606-624-310-0, ISBN vol.1, 978-606-624-311-7 (prin POSDRU/56/1.2/S/32768)
4. D. Breaz, M. Darus, **Nicoleta Breaz**, *Recent studies on univalent integral operators*, Editura Aeternitas, Alba Iulia, ISBN 978-973-1890-90-6, 159 pag., 2010
5. **Nicoleta Breaz**, M. Jaradat, *Statistica descriptiva-teorie si aplicatii,* Editura Risoprint, ISBN 978-973-751-978-8, 301 pag., 2009
6. **Nicoleta Breaz**, *Modele de regresie bazate pe funcţii spline*, Editura Presa Universitară Clujeană, ISBN: 978-973-610-549-4, 316 pag., 2007
7. D. Breaz, **Nicoleta Breaz**, O. Domşa, S. Mihon, *Cercetări Operaţionale-Aplicaţii*, Editura Aeternitas, Alba Iulia, 238 pag., ISBN 973-85902-0-5, 2002

2. Cursuri în seria didactică:

1. Nicoleta Breaz, *Analiză matematică-Note de curs,* Seria Didactică, Universitatea „1 Decembrie 1918“ din Alba Iulia, 104 pag, 2014
2. Nicoleta Breaz, *Modelare asistată de software matematic-note de curs şi teme de laborator,* Seria Didactică, Universitatea „1 Decembrie 1918“ din Alba Iulia, 190 pag, 2010
3. Nicoleta Breaz, *Introducere în econometrie-note de curs şi seminar, Seria Didactică,* Universitatea „1 Decembrie 1918“ din Alba Iulia, 104 pag, 2009

4. Nicoleta Breaz, *Elemente de statistică inferenţială, teorie si aplicaţii*, Seria Didactică, Universitatea „1 Decembrie 1918" din Alba Iulia, 117 pag, 2004
5. Nicoleta Breaz, *Statistică descriptivă, teorie şi aplicaţii*, Seria Didactică, „Universitatea 1 Decembrie 1918" din Alba Iulia, 304 pag, 2003

C) Articole/studii publicate în reviste de circulaţie internaţională, recunoscute

1. Articole publicate în jurnale ISI:

1. **Nicoleta Breaz**, S. Owa, *New classes of certain analytic functions concerned with subordinations*, Carpathian J. Math., 33 (2017), No.2, 153-160, Print Edition: ISSN 1584 – 2851, Online Edition: ISSN 1843 – 4401 (ISI)
2. **Nicoleta Breaz**, D. Breaz, S. Owa, *Fractional Calculus of Analytic Functions Concerned with Möbius Transformations,* Journal of Function Spaces, 2016(1):1-9, January 2016 (ISI)
3. H. M. Srivastava, R. El-Asshwah, **Nicoleta Breaz,** *A certain subclass of multivalent functions involving higher-order derivatives,* Filomat 30(1):113-124, January 2016 (ISI)
4. **Nicoleta Breaz**, R. El-Asshwah, *Quasi-Hadamard product of some uniformly analytic and p-valent functions with negative coefficients*, Carpathian J. Math., Vol. 30 (2014), No.1, 39-45, Print Edition: ISSN 1584 – 2851, Online Edition: ISSN 1843 – 4401
5. V. Pescar, **Nicoleta Breaz**, *Kudriasov Type Univalence Criteria for Some Integral Operators*, Abstract and Applied Analysis, vol. 2013, Article ID 721932, 4 pages, 2013. doi:10.1155/2013/721932, ISSN 1085-3375
6. **Nicoleta Breaz**, V. Pescar, *Univalence conditions related to a general integral operator,* Abstract and Applied Analysis, vol. 2012, Article ID 140924, 10 pages, 2012, doi 10.1155/2012/140924, ISSN 1085-3375
7. **Nicoleta Breaz**, V.Pescar, D. Breaz, *Univalence criteria for a new integral operator,* Mathematical and Computer Modelling, Vol. 52, Issue 1-2, (2010), pp. 241-246, ISSN 0895-7177
8. **Nicoleta Breaz**, D. Breaz, M. Darus, *Convexity properties for some general integral operators on uniformly analytic functions classes,* Computer and Mathematics with Applications, Vol. 60, Issue 12 (2010), pp. 3105-3107, ISSN 0898-1221
9. V. Pescar, **Nicoleta Breaz**, *Integral operators on the classes* $T_{2,\mu}$ *and* $S(\alpha)$, Journal of the Franklin Institute-Engineering and Applied Mathematics, Vol. 347, Issue 8 (2010), pp. 1468-1474, DOI information: 10.1016/j.jfranklin.2010.06.016, ISSN 0016-0032
10. V. Pescar, **Nicoleta Breaz**, *On univalence of two integral operators,* Applied Mathematics Letters, Vol. 23, Issue 12, (2010), pp. 1407-1411, DOI information: 10.1016/j.aml.2010.07.007, ISSN 0893-9659
11. D. Breaz, **Nicoleta Breaz**, H. M. Srivastava, *An extension of the univalent condition for a family of integral operators,* Applied Mathematics Letters (Elsevier Journals), Vol. 22, Issue 1, ian. 2009, pag.41-44, doi:10.1016/j.aml.2007.11.008, Science Direct, ISSN: 0893-9659
12. A.M. Acu, **Nicoleta Breaz**, *Generalized monosplines and inequalities for the remainder term of quadrature formulas*, Journal of Computational Analysis and Applications, Vol.11, Issue 1, pag. 106-118, 2009, ISSN 1521-1398
13. D. Breaz, **Nicoleta Breaz**, *Sufficient univalence conditions for analytic functions*, Journal of Inequalities and Applications, Volume 2007, 1, Article ID 86493, doi: 10.1155/2007/8643, ISSN: 1025-5834, (prin GAR 20/2007)
14. M. Popa, **Nicoleta Breaz**, M. Jitaru, *The impact of pollution with heavy metals on the population of industrialised area,* Journal of Environmental Protection and Ecology, Vol. 8, Issue 4, pp. 817-823, 2007, ISSN 1311-5065

2. Articole publicate în reviste indexate BDI (ZBL/MR-MathSciNet/Scopus)-listă selectivă:

1. V. Pescar, **Nicoleta Breaz**, *Mocanu and Şerb type univalence criteria for some general integral operators*, Acta Universitatis Apulensis, No. 44/2015, pp. 1-8, doi: 10.17114/j.aua.2015.44.01
2. D. Breaz, S. Owa, **Nicoleta Breaz**, *Some properties for general integral operators*, Advances in Mathematics: Scientific Journal, 3 (2014), no.1, ISSN 1857-8365, pp. 9-14
3. G. Oros, D. Breaz, **Nicoleta Breaz**, M. Acu, *New results related to starlikeness and convexity of the Bernardi intgeral operator*, Acta Universitatis Apulensis, No.38/2014, pp. 243-249
4. N. Ularu, **Nicoleta Breaz**, *An integral operator on the classes* $S^*(\alpha)$ *and* $CVH(\beta)$, Annales UMCS (Universitatis Mariae Curie-Sklodowska), Mathematica, Volume 67, Issue 2, 2013, pag. 53-58, 2013, ISSN 2083-7402
5. **Nicoleta Breaz**, D. Breaz, V. Pescar, *Univalence of two integral operators*, Acta Universitatis Apulensis, No. 33/2013, pp. 45-52.
6. D. Breaz, Y.Polatoglu, **Nicoleta Breaz**, *Generalized p-Valent Janowski Close-to-Convex Functions and Their Applications to the Harmonic Mappings*, in "Nonlinear analysis : stability, approximation, and inequalities", ed. Pardalos; Georgiev; Srivastava, Springer Series "Optimization and its applications", Volume 68, 2012, pp 79-89
7. R. M. El-Ashwah, M. K. Aouf, **Nicoleta Breaz**, *On Quasi-Hadamard Products of p-Valent Functions with Negative Coefficients Defined by Using a Differential Operator,* Acta Universitatis Apulensis, No. 28/2011, pag. 61-70, ISSN 1582-5329
8.D. Breaz, **Nicoleta Breaz**, V. Pescar, *On the univalence of a certain integral operator*, Acta Universitatis Apulensis, No. 26/2011, pp. 251-256.
9.M.K. Aouf, D. Breaz, **Nicoleta Breaz**, *Inequalities Involving Noor Integral Operator,* Theory and Applications of Mathematics & Computer Science 1 (2011), pp. 63–67
10. **Nicoleta Breaz**, D. Breaz, M. Acu, *Some properties for an integral operator on the* $CVH(\beta)$ *class*, Int. J. Open Problems Complex Analysis, Vol. 2, No.1, March 2010, 53-58.
11. D. Breaz, M. K. Aouf and **Nicoleta Breaz**, *Some Properties For Integral Operators On Some Analytic Functions With Complex Order,* Acta Mathematica Academiae Paedagogicae Nyiregyhaziensis, Vol. 25, Issue 1, pp. 39-43, (2009).
12. V. Pescar, D. Breaz, **Nicoleta Breaz**, *Certain sufficient conditions for univalence,* General Mathematics, Vol. 17, No. 4,(2009), 97-109.
13. D. Breaz, **Nicoleta Breaz**, *The integral operator on the SP class*, Acta Universitatis Apulensis, No. 17/2009, pp. 43-47.
14. D. Breaz, **Nicoleta Breaz**, *The integral operator on the SH (beta) class*, Acta Universitatis Apulensis, No. 18/2009, pp. 7-10.
15. D. Breaz, S. Owa, **Nicoleta Breaz**, *A new integral univalent operator*, Acta Universitatis Apulensis, No. 16/2008, pp. 11-16 (prin GAR 19/2008)
16. **Nicoleta Breaz**, M.Aldea, *On the smoothing spline regresion models*, Acta Universitatis Apulensis, 15/2008, număr dedicat Proceedings of Int. Conf. on Theory and Appl. of Math. Alba Iulia, 29 august-2 sept., 2007, pag. 33-51
17. D. Breaz, **Nicoleta Breaz**, *An integral univalent operator*, Acta Math. Univ. Comenianae, Vol. LXXVI, 2(2007), pp.137-142
18.D. Breaz, **Nicoleta Breaz**, *New univalence conditions for an integral operator of the class* $S(p)$ and T_2 , Acta Universitatis Apulensis, 13/2007, pp. 89-96.
19. **Nicoleta Breaz**, D. Breaz, *On the spline functions in data analysis framework*, Acta Universitatis Apulensis, nr. 11/2006, număr dedicat Proceedings of Int. Conf. on Theory and Appl. of Math., Albac, sept 15-18, 2005, pag.197-210, ISSN 1582-5329
20. D. Breaz, **Nicoleta Breaz**, *Some convexity properties for a general integral operator,* Journal of Inequalities in Pure and Applied Mathematics, ISSN 1443-5756, Vol. 7, Issue 5, Article 177, 2006, MR2268632

21. D. Breaz, **Nicoleta Breaz**, *An univalent condition for an integral operator*, Nonlinear functional analysis and applications, vol. 11, No. 2(2006), Korea, pag. 259-263, Zbl. Math. 1102.30012, MR2239421
22. D. Breaz, **Nicoleta Breaz**, *Univalence conditions for certain integral operators on the classes* $S(\alpha)$ *and* T_2, Mathematical Reports, 1, vol. 8(58), 2006, Romanian Academy Publisher, pp. 17 -23
23. D. Breaz, **Nicoleta Breaz**, *The univalent conditions for an integral operator on the classes S(p) and* T_2*,(II),* Journal of Approximation Theory and Applications, Vol. 1, No.2, (2005), pp. 93-98
24. D. Breaz, **Nicoleta Breaz**, *The univalent condition for an integral operator on the classes S(p) and* T_2*,* Acta Universitatis Apulensis, nr. 9/2005, pag. 63-69
25. D. Breaz, **Nicoleta Breaz**, *Univalence of an integral operator*, Mathematica, Tome 47(70), No. 1, 2005, Editions de L Academie Roumaine, pag. 35-38, Zbl. Math. 1100.30013, MR 2165075
26. **Nicoleta Breaz**, *F-testing on the linear regression model*, Mathematical Reports, Romanian Academy Publisher, vol.6(56), no. 4, 2004, pag. 365-378, MR, 2152006, Zbl. Math. pre 02187929
27. **Nicoleta Breaz**, *A cross validation method for estimating the relative weights in a spline model*, Seminar on Numerical and Statistical Calculus, Babes-Bolyai, University of Cluj-Napoca, 2004, pag. 57-64
28. D. Breaz, **Nicoleta Breaz**, *Univalence conditions for integral operators on* $S(\alpha)$*-class*, Libertas Mathematica, ARA,USA, ISSN 0278-5307, tomus XXIV, 2004, pag. 211-214, MR 2156901, Zbl. Math. 1086.30010
29. **Nicoleta Breaz**, *Numerical experiments with least squares spline estimators in a parametric regression model*, Acta Universitatis Apulensis, ISSN 1582-5329, nr. 8/2004 număr dedicat Proceedings of Int. Conf. on Theory and Appl. of Math. and Inf., Thessaloniki, Greece, Sept. 16-18, 2004, pag. 50-59, Zbl. Math. 1089.62017
30. **Nicoleta Breaz**, *The cross-validation method in the polynomial regression*, Acta Universitatis Apulensis, Mathematics-Informatics, număr dedicat Proc. of Int. Conf. on Theory and Appl. of Math. and Inf., Alba Iulia, ISSN 1582-5329, no. 7/2004, Part B, pag. 67-76, Zbl. Math. pre05063790
31. **Nicoleta Breaz**, *The cross-validation method in the smoothing spline regression*, Acta Universitatis Apulensis, Mathematics-Informatics, număr dedicat Proc. of Int. Conf. on Theory and Appl. of Math. and Inf., Alba Iulia, ISSN 1582-5329, no. 7/2004, Part B, pag. 77-84, Zbl. Math. 1097.62025
32.D. Breaz, **Nicoleta Breaz,** *Starlikeness Conditions for the Bernardi Operator*, Mathematical Reports, 2, vol. 6(56), 2004, Romanian Academy Publisher, pp 117-121.
33. **Nicoleta Breaz**, D. Breaz, *Fitting of some linearisable regression model*, Studia Universitatis, Babeş-Bolyai, Mathematica, vol XLVIII, no. 2/2003, pag. 21-27, MR 2110309, Zbl. Math. 1098.62541
34. **Nicoleta Breaz**, D. Breaz, *Asupra estimării unui indice factorial de tip MDF*, Studia Universitatis Babeş-Bolyai, Oeconomica, ISSN 1220-0476, vol XLVIII, no.1/2003, pag 191-200
35. **Nicoleta Breaz**, D. Breaz, *A comparison between two indices obtained by MDF*, Acta Universitatis Apulensis, Mathematics-Informatics, Alba Iulia, ISSN 1582-5329, No.5/2003, pag. 39-52, MR 1997447, Zbl. Math. pre05063744
36. **Nicoleta Breaz**, *On the smoothing parameter in case of data from multiple sources*, Acta Universitatis Apulensis, Mathematics-Informatics, număr dedicat Proc. of Int. Conf. on Theory and Appl. of Math. and Inf., Alba Iulia, ISSN 1582-5329, no. 6, Part A, 75-84, 2003
37. **Nicoleta Breaz**, *On the least squares fitting in a linear model*, Acta Universitatis Apulensis, Mathematics-Informatics, număr dedicat Proc. of Int. Conf. on Theory and Appl. of Math. and Inf., Alba Iulia, no. 6, Part A, 67-74, 2003
38.D. Breaz, **Nicoleta Breaz**, *Two Integral Operators,* No. 3-2002, vol. 47, Studia Universitatis Babeş-Bolyai, Mathematica, Cluj Napoca, pp. 13-21.
39.D. Breaz, **Nicoleta Breaz**, *Univalence Conditions for Certain Integral Operators,* No. 2-2002, Studia Universitatis Babeş-Bolyai, Mathematica, Cluj Napoca, pp. 9-17.
40. **Nicoleta Breaz**, D. Breaz, *The full rank case for a linearisable model*, Acta Universitatis Apulensis, ISSN 1582-5329, no. 3/2002, pag. 1-6, MR 1908043, Zbl. Math. 01864604, 1093.62561

41. **Nicoleta Breaz**, D. Breaz, *Testing on the recurrence of coefficients in the linear regressional model*, Acta Universitatis Apulensis, ISSN 1582-5329, no. 4/2002, pag. 15-22, MR 1955334, Zbl. Math. 1106.62339
42.D. Breaz, **Nicoleta Breaz**, *Two starlikeness properties for the Bernardi operators*, Acta Universitatis Apulensis, 3/2002, pag. 7-13.
43.**Nicoleta Breaz**, D. Breaz, *A spline aproximation of the factors path in MDF*, Acta Universitatis Apulensis, No. 2,2001, pag. 35-47.
44.**Nicoleta Breaz**, D. Breaz, *Indicele preţurilor pe drum exponenţial-un indice monoton,* „Lucrările seminarului de creativitate matematică", Volumul 10,2001, Baia Mare, pag. 53-58.
45. **Nicoleta Breaz**, D. Breaz, *Monotonia funcţiilor definite pe R^n aplicată la indicele preţurilor*, Acta Universitatis Apulensis, seria Matematică-Informatică, Alba Iulia, No. 1/2001, pag. 37-41.
46.D. Breaz, **Nicoleta Breaz**, *Univalence for integral operators*, Acta Universitatis Apulensis, No. 2, 2001, pag. 51-59
47. I.Florea, **Nicoleta Mera (Breaz)**, D. Breaz, *Indicele factorial al preţurilor prin MDF, un indice Eichhorn-Voeller, (The Factorial Index of Prices through MDF, an Eichhorn-Voeller index)*, Studia Universitatis Babeş-Bolyai, OECONOMICA XLV, 1/2000, 2000, pp. 22-31.
48. I.Florea, **Nicoleta Mera (Breaz),** *The monotonicity of the factorial indices of the prices obtained by FPM*, Acta Technica Napocensis, Series: Applied Mathematics and Mechanics, 41, 1998, ISSN 1221-5872, Proceedings of "The 6th Conference on Applied Mathematics and Mechanics 24-27 sept. 1998, Cluj-Napoca, pag. 43-48, Zbl. Math. 1008.91032

D) Publicaţii în extenso apărute în volumele unor conferinţelor internaţionale

1. **Nicoleta Breaz**, D. Breaz, *Sufficient Univalent Conditions for an Integral Operator,* Proceedings of the Internaţional Symposium on New Development of Geometric Function Theory and Its Applications*,* ESSET, Bangi, Malaesia, 2008, ISSN 978-967-5048-32-6 (prin GAR 19/2008)
2. D. Breaz, **Nicoleta Breaz**, *Some starlikeness conditions proved by inequalities*, Proceedings of the Fifth International Symposium "Mathematical Inequalities" Sibiu, 25-27 September 2008, Romania, pp. 40-46, ISBN 978-973-739-740-9.
3. **Nicoleta Breaz,** D. Breaz**,** A. Topârceanu, *On the choice of smoothing parameter in the smoothing spline regression,* Proceedings of The Third International Scientific Sympozium of Statistics, "Statistics in the solutions space", Bucureşti, 16-18 Noiembrie, 2006, sectiunea IX/3, Editura ASE, ISBN 973-594-884-2, ISBN 978-973-594-884-9
4. D. Breaz, **Nicoleta Breaz**, *Some convexity properties for a general integral operator on the classes SP and $SP(\alpha,\beta)$,* Proceedings of the International Symposium on Complex Function Theory and Applications, Braşov, 1-5 September, 2006, Romania, 973-635-827-5, pp.7-12 (prin GAR 14/2006)
5. **Nicoleta Breaz**, L. Căbulea, D. Breaz, *Rejuvenating possibilities in tourist circuit for an industrialized area starting from using of some modern evaluation and modeling methods for data*, Proceedings of the Congress New Trends in Tourism and Hospitality Management, May 03-05, 2006, Opatija, Croatia, pp. 1148-1153, ISSN 953-6198-88-6.
6. A. Socol, I. Iuga, **Nicoleta Breaz,** I. Gavrila-Paven, *Modelling the Banking Operational Risk - Approach to Basic Indicator in the Case of Romanian Banking Society, According to the Basel II Agreement, Proceeding de la* 3rd International Conference Managing and Modelling of Financial Risks, Universitatea Tehnică din Ostrava, Cehia, 6-7 septembrie 2006, Ostrava, Cehia, ISBN 80-248-1159-6, p. 262-280 (prin Grant CNCSIS AT, cod 136/2006)
7. S. Briciu, **Nicoleta Breaz,** D. Breaz, *Optimizing the life cycle-cost ratio*, Proceedings of microCAD 2005, International Scientific Conference, 10-11 March 2005, University of Miskolc, Hungary, pag. 31-34
8. **Nicoleta Breaz,** D. Breaz, *Teste statistice privind egalitatea coeficienţilor în modelul liniar, (Statistical Tests on the Equality of Coefficients in the Linear Model),* Proceedings of the Sixth Annual Conference of the Romanian Society of Mathematical Sciences, Sibiu, 2003, pp. 204-211.

9. I. Ileană, **Breaz Nicoleta**, D. Breaz, M. Popa, *Comparative Study of Some Dynamic Processes Identification and Modelling Methods,* Proceedings of International Carpathian Control Conference, Košice, 2003, pp. 298-302.
10. L. Dimen, D. Breaz, **Nicoleta Breaz**, I. Ienciu, *The Assessement of the Slope Erosion Using Statistical And Mathematical Modells*, Application in Zlatna Basin- Romania, Proceedings of 3rd International Conference of Phd Students, Miskolc, Hungary, 2001, pag. 89-49. Publishes by University of Miskolc, Inovation and the tehnology transfer center, Hungary, ISBN:9636614806, 9636614881.

E) Alte lucrări şi contribuţii ştiinţifice (conferinţe, proiecte, premii, citări)

1. Conferinţe internaţionale la care candidatul a susţinut lucrări (listă selectivă)
Notă: Titlurile lucrărilor prezentate se regăsesc în lista articolelor publicate, majoritatea nefiind publicate în proceedings-urile conferinţelor respective ci în jurnale de specialitate.

1. *The 3-rd International Conference on Mathematical Sciences*, *ICMS3,* Kuala Lumpur, Malaezia, 17-19 decembrie, 2013
2. *Geometric Function Theory and Applications, GFTA 2013,* Şile, Turcia, *26-30* august 2013
3. *Geometric Function Theory and Applications, GFTA 2012,* Ohrid, Macedonia, 27-31august 2012
4. *Geometric Function Theory and Applications, GFTA 2011,* Cluj-Napoca, Romania, 4-8 septembrie 2011
5. *Romanian-Japanese Joint Seminar Geometric Function Theory and Applications*, Alba Iulia, Romania, 1-3 septembrie 2011
6. *The 19th Conference on Applied and Industrial Mathematics*, *CAIM 2011*, Iasi, Romania, 22-25 septembrie 2011
7. *The Seventh Congress of Romanian Mathematicians,* Brasov, Romania, 29 iunie-5 iulie 2011
8. *International Conference on Theory and Applications in Mathematics and Informatics, ICTAMI 2002-2011* –Alba Iulia/Albac/Salonic-Grecia, toate ediţiile 2002-2011
9. *The 2-nd International Conference on Mathematical Sciences* ICMS2, Kuala-Lumpur, Malaezia, 30 noiembrie-3 decembrie 2010
10. *International Short Joint Research Workshop-Applications of Convolutions in Geometric Function Theory, Research Institute for Mathematical Sciences, Kyoto University (RIMS),* Kyoto, Japonia, 19-21 mai 2010
11. *International Symposium on Geometric Function Theory and Applications, GFTA 2010*, Sofia, Bulgaria, 27 -31 august 2010
12. *The 12- Romanian-Finnish Seminar*, Turku, Finlanda, 17-21 august, 2009
13. *International Symposium on Analysis and Theory of Functions*, Istanbul, Turcia, 24-26 august, 2009
14. *6-th Congress of the Romanian Mathematicians*, Bucuresti, 28 iunie-4 iulie, 2007
15. *The Third International Scientific Sympozium of Statistics, "Statistics in the solutions space*" – Bucureşti, Romania, 16-18 Noiembrie 2006
16.*5th Congress of the Romanian Mathematicians*, Piteşti, Romania, 22-28 iunie 2003
17. *First Joint Conference on Applied Mathematics and Application of Mathematics, AMAM 2003*, Nisa, Franţa, 10-13 februarie, 2003
18. *The 6th Conference on Applied Mathematics and Mechanics,* Cluj-Napoca, Romania, 24-27 septembrie 1998.

2. Proiecte de cercetare / dezvoltare şi proiecte de finanţare a manifestărilor ştiinţifice organizate

1. Proiect POSDRU *„3C Calitatea Creează Competenţe Calitatea în formare creează competenţe profesionale de nivel european pentru personalul SPO din Regiunile Centru, Vest şi Nord-Vest”,* POSDRU/113/4.2/S/121748, **Nicoleta Breaz**- expert pe termen scurt, prelucrare şi analiză date statistice, 2013-2014 (rezultate-studii statistice în Manualul „Barometrul încrederii clienţiilor SPO”)
2. Proiect de finanţare a manifestărilor ştiinţifice cu participare internaţională*, Joint international meeting of AMS-RMS 27-30 iunie 2013, Alba Iulia*, Agenţia Naţională pentru Cercetare Ştiinţifică, **Nicoleta Breaz**-responsabil proiect, 2013, (rezultate – organizare conferinţă, proceedings-ul conferinţei)
3. Proiect POSDRU *„Formarea cadrelor didactice universitare si a studenţilor în domeniul utilizării unor instrumente moderne de predare-învătare-evaluare pentru disciplinele matematice, în vederea creării de competenţe performante şi practice pentru piaţa muncii”,* POSDRU/56/1.2/S/32768, **Nicoleta Breaz**-expert pe termen lung, elaborare curricule, 2009-2012, prelungit in 2013 (rezultate-capitole în 3 dintre cărţile publicate în cadrul proiectului, titlurile sunt menţionate în lista de cărţi)
4. Proiect de finanţare a manifestărilor ştiinţifice cu participare internaţională*, ICTAMI 2011*, Agenţia Naţională pentru Cercetare Ştiinţifică, **Nicoleta Breaz**-responsabil proiect, 2011, (rezultate – organizare conferinţă, proceedings-ul conferinţei)
5. Proiect de finanţare a manifestărilor ştiinţifice cu participare internaţională*, ICTAMI 2009*, Agenţia Naţională pentru Cercetare Ştiinţifică, **Nicoleta Breaz**-responsabil proiect, 2009, (rezultate – organizare conferinţă, proceedings-ul conferinţei)
6. Proiect de finanţare a manifestărilor ştiinţifice cu participare internaţională, 2008, 101/ 19.05.2008, Agenţia Naţională pentru Cercetare Ştiinţifică, pentru manifestarea „*International Conference on Complex Analysis and Related Topics- the XI-th Romanian Finnish seminar*” Alba Iulia, 14-19.08.2008, **Nicoleta Breaz**-responsabil proiect, 2008, (rezultate – organizare conferinţă, proceedings-ul conferinţei)
7. Grant pentru mobilităţi, CNCSIS, *PN –II-RU-MC-2008-2,* Cod proiect 24, **Nicoleta Breaz**-membru, 2008 (rezultate- participare la conferinţa MIA2008, Trogir, Croatia).
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10. Proiect local, *Centru Judeţean de Cercetări Statistice-Alba*-nr.1242/26 martie 2007-contract de cercetare între Colectivul de Matematică al Catedrei de Matematică-Informatică, Universitatea “1 Decembrie 1918” Alba Iulia şi Direcţia Regională de Statistică, Alba, **Nicoleta Breaz**-director de proiect, 2007(rezultate-studii statistice)
11. Proiect internaţional, *Romanian-Turkish Mathematical Research Center* – No. 1286/29 martie 2007 – contract de cercetare între Colectivul de Matematică al Catedrei de Matematică-Informatică, Universitatea “1 Decembrie 1918” Alba Iulia şi Departamentul de Matematică al Universităţii Dicle din Diarbakir, **Nicoleta Breaz**-membru, 2007 (rezultate –articole în colaborare, pe domeniul teoriei geometrice a funcţiilor)
12. Proiect internaţional finanţat de Balkan Environmental Association (B.EN.A.), *Integration and using of the research results by application of the Aquis comunitaire in order to improve life quality and security- International Centre of Environment Sustainable Development and Food Quality Control, 50/20.04.2007,* între Universitatea ”1Decembrie 1918” Alba Iulia, LAF- Pol d’Excellence Regional, Cluj Napoca, **Nicoleta Breaz**- membru, responsabil cu prelucrarea statistică şi modelarea matematică a datelor, 2007 (rezultate-studii statistice)
13. Proiect Phare linia de buget /2004/016-772.04.02.02.01.01.715 cu tema: *Program de perfecţionare profesională, cu structură modulară şi flexibilă, a personalului din întreprinderi pentru folosirea de noi tehnologii de comunicaţie şi informaţie bazate pe Internet (tehnologii*

Internet), contract de finanţare nerambursabilă-sprijin extern al Comunităţii Europene, **Nicoleta Breaz**-formator, 2007 (rezultate- modulul de curs, *Interpretarea statistică a informaţiilor. Elemente de data mining şi prognoză*)
14. Proiect regional de dezvoltare, 280/2007, *Elaborarea strategiei de dezvoltare pe termen mediu, 2008-2022, a comunei Metes, 2007*, **Nicoleta Breaz**- membru, responsabil cu prelucrarea statistică a datelor, 2007 (rezultate-studii statistice)
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16. Proiect bianual de cercetare ştiinţifică, 359/2005, în cadrul contractelor de cercetare, GAR 18/2005 şi GAR 14/2006 (Granturile Academiei Române), Institutul de Matematică "Simion Stoilow" al Academiei Române şi colaboratori (Universităţile din Oradea, Alba Iulia, Piteşti), "*Metode locale şi globale în geometria algebrică",* perioada 2005-2006, **Nicoleta Breaz**-membru, 2005-2006 (rezultate-1 articol BDI, titlul este menţionat în lista de lucrări; participare la conferinţa International Symposium on Complex Function Theory and Applications, Braşov, 1-5 September, 2006)

3. Premii şi distincţii obţinute pentru activitatea didactică şi de cercetare

- 7 premii CNCSIS pentru şapte dintre articolele publicate în reviste ISI .
- Gradaţie de merit, Universitatea "1 Decembrie 1918 din Alba Iulia, 2009-2014

4. Articole care citează lucrări ale candidatului –listă selectivă (cel puţin 68 citări sunt citări în articole publicate în reviste ISI cu factor de impact $FI \geq 0{,}5$; a se vedea Fişa de verificare a standardelor minimale; citările pot fi găsite pe Web of Science, Scopus şi Google Academics).

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5. Alte contribuţii ştiinţifice

- Profesor invitat în cadrul unui workshop pentru studenţi doctoranzi la Kinki University, Osaka, Japonia, 2010 (prof. S. Owa) şi Kebangsaan University, Kuala Lumpur, Malaezia, 2012 şi 2013 (prof. M. Darus)
- Recenzii la articole şi cărţi din bazele de date internaţionale *Mathematical Reviews* şi *ZentralBlatt fur Mathematik*
- Recenzii la articole publicate în revistele de specialitate, *Applied Mathematics Letter, Hacettepe Journal of Mathematics and Statistics, Mathematical and Computer Modelling, Journal of the Franklin Institute, Indian Journal of Mathematics/ Buletin of the Allahahabad Mathematical Society, Acta Universitatis Apulensis, Journal of Inequality and applications, Tamkang Journal of Mathematics, International Journal of Mathematics and Mathematical Sciences, Mathematica Bohemica, Annales Universitatis Apulensis series Oeconomica, Kyungpook Mathematical Journal, etc.*

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