

	LISTA DE LUCRARI prof. dr. ing. Florin CONSTANTINESCU
	TEZA DE DOCTORAT: Sinteza rețelilor neliniare de un anumit tip, Conducător științific: prof. dr. ing. Marius Preda, Institutul Politehnic București, Facultatea de Electrotehnică, 1987.
	Cărți și capitole în cărți de specialitate
	<i>Cărți cu ISBN / capitole ca autor didactice sau monografii</i>
	<i>Internaționale</i>
1	<i>Capitol de carte</i> D. Popovici, F. Constantinescu, M. Maricaru, I. F. Hantila, M. Nitescu, A. Gheorghe, Modeling and Simulation of Piezoelectric Devices, in Recent Advances in Modeling and Simulation, I-Tech Education and Publishing, Vienna, Austria, June 2008, ISBN 978-3-902613-25-7.
2	A.G. Gheorghe, F. Constantinescu, New Topics in Simulation and Modeling of RF Circuits, Rivers Publishers Series in Circuits and Systems, 2016, ISBN 9788793379466, eBook ISBN: 9788793379459.
3	<i>Colaborator</i> - R. Răduleț, A. Timotin (coordonatori) THESAURUS CEI rationnel de l'électricité, Bureau Central de la Commission Electrotechnique Internationale, Genève (Suisse), 1986.
4	<i>Capitol de carte</i> A. G. Gheorghe, F. Constantinescu, M. Nițescu, M. E. Marin, Circuit Models of Bioelectric Impedance, Electrochemical Impedance Spectroscopy, Intech Open, 2020, DOI: 10.5772/intechopen.91004.
	<i>Naționale</i>
1	M. Nitescu, Fl. Constantinescu, Teoria avansata a circuitelor electrice, Laboratorul de Metode Numerice, Institutul Politehnic Bucuresti, PROIECTUL TEMPUS 2717, Bucuresti, 1993.
2	F. Constantinescu, F. Hantila, Proprietati calitative ale circuitelor electrice, Universitatea "Politehnica" Bucuresti, 1993.
3	F. Hantila, F. Constantinescu, Metode numerice pentru calculul campului electromagnetic, Universitatea "Politehnica" Bucuresti, 1993.
4	M. Nitescu, Fl. Constantinescu, Bazele Electrotehnicii :Partea I - Teoria Circuitelor Electrice, Curs pentru studentii Fac. de Energetica, Editura PRINTECH, 1998.
5	F. Constantinescu, A. Ionescu, C. V. Marin, M. Nitescu, "Analiza circuitelor electrice cu Pspice. Lucrari de laborator", Editura PRINTECH, Bucuresti 2003, ISBN 973-652-759-x.
6	F. Constantinescu, A. Gheorghe, M. Nitescu, C. V. Marin, A. Ionescu, Simularea circuitelor-lucrari de laborator, Editura Printech, 2011, ISBN 978-606-521-716-4.
	Suport didactic
	<i>Suport de curs inclusiv electronic</i>
	F. Constantinescu, Sinteza Circuitelor Electrice, http://ferrari.lce.pub.ro/studenti , 2012-2013.
	Fl. Constantinescu, M. Nitescu, Bazele Electrotehnicii :Partea I - Teoria Circuitelor Electrice, Curs pentru Facultatea de Automatica si Calculatoare, http://ferrari.lce.pub.ro/studenti , 2001-2015.
	<i>Îndrumare de laborator / aplicații</i>
	F. Constantinescu, M. Nitescu, Sinteza circuitelor electrice – lucrari de laborator, http://ferrari.lce.pub.ro/studenti , 2001-2014.
	Articole in extenso în reviste cotate și în volume proceedings indexate ISI Thomson-Reuters*), brevete de invenție
	<i>Articole în reviste ISI</i>
1	F. Constantinescu 'Some properties of series-parallel nonlinear resistive circuits', IEEE Transactions on Circuits and Systems, vol CAS-38 (april 1991) pp. 442-445. WOS: A1991FD91000010
2	M. Nitescu and F. Constantinescu, Symbolic analysis of linear nonreciprocal circuits, International Journal of Circuit Theory and Applications, vol 19 (1991), no. 1, pp.19-33. WOS: A1991EV253000003

3	F. Constantinescu, M. Nitescu, C.V. Marin, Computation of approximate symbolic pole/zero expressions, Analog Integrated Circuits and Signal Processing, Kluwer, September 2004, pp 255-264. WOS:000222638800006
4	F. Constantinescu, Special issue on SMACD 2002, Analog Integrated Circuits and Signal Processing, Kluwer, September 2004, pp. 191-192. WOS:000222638800001
5	F. Constantinescu, M. Nitescu, A. Ionescu, When is shooting appropriate in steady state analysis of nonlinear circuits, International Journal of Bifurcation and Chaos - Vol. 17, No. 10 (October 2007). WOS:000253285500034
6	M. Maricaru, F. Constantinescu, A. Reinhardt, M. Nitescu, A. Florea, Field models of power BAW resonators, Rev. Roum. Sci. Tech., Ser. Electrotechn. et Energ., vol. 55 (2010), No. 1. WOS:000277006700010
7	C. V. Marin, F. Constantinescu, Fault diagnosis in analog circuits using approximate symbolic pole/zero expressions, Rev. Roum. Sci. Tech., Ser. Electrotechn. et Energ., vol. 57 (2012), No. 1, pp. 20-29. WOS:000303096800003
8	F. Constantinescu, Al. G. Gheorghe, M. Nitescu, "New circuit models of power BAW resonators", Revue Roumaine des Sciences Techniques-Serie Electrotechnique et Energetique, ISSN: 0035-4066, Vol. 53, Nr. 1, 2008, pp. 67-73. WOS:000255784200008
9	F. I. Hantila, F. Constantinescu, Al. G. Gheorghe, et al., "A New Algorithm for Frequency Domain Analysis Of Nonlinear Circuits", Revue Roumaine des Sciences Techniques-Serie Electrotechnique et Energetique, ISSN: 0035-4066, Vol. 54, Nr. 1, 2009, pp. 57-66. WOS:000264503000006
10	F. Constantinescu, Al. G. Gheorghe, M. Nitescu, „The energy balance error for circuit transient analysis”, Revue Roumaine des Sciences Techniques-Serie Electrotechnique et Energetique, ISSN: 0035-4066, Nr.3, 2010, pp. 243-250. WOS:000283001600005
11	F. Constantinescu, Al. G. Gheorghe, M. Nitescu, A. Florea, O. Llopis, P. Taras, "Parameter Identification for Nonlinear Circuit Models of Power BAW Resonator", Advances in Electrical and Computer Engineering, ISSN: 1582-7445, e-ISSN: 1844-7600, DOI: 10.4316/aece, Nr. 1, 2011, pp. 55-62. WOS:000288761800009
12	F. Constantinescu, Al. G. Gheorghe, A. Florea, M. Nițescu, O. Llopis, „Artificial Transmission Line Model for Power BAW Resonators”, Revue Roumaine des Sciences Techniques-Serie Electrotechnique et Energetique, ISSN: 0035-4066, Nr.2, 2011, pp 237 – 246. WOS:000291711900013
13	Al. G. Gheorghe, F. Constantinescu, M. Nitescu, „A New Algorithm for Envelope Following Analysis”, Revue Roumaine des Sciences Techniques-Serie Electrotechnique et Energetique, Nr.2, 2011, pp 229 – 236. WOS:000291711900012
14	F. Constantinescu, M. Nitescu, Al. G. Gheorghe, A. Florea, O. Llopis, „Behavioral circuit models of power BAW resonators and filters”, Analog Integrated Circuits and Signal Processing, ISSN 0925-1030, DOI: 10.1007/s10470-011-9758-7 Vol. 73, Nr 1, 2012, pp.57-64. WOS:000309130700007
15	Al. G. Gheorghe, C. V. Marin, F. Constantinescu, M. Nitescu, "Parameter Identification for a New Circuit Model Aimed to Predict Body Water Volume", Advances in Electrical and Computer Engineering, ISSN: 1582-7445, e-ISSN: 1844-7600, DOI: 10.4316/AECE.2012.04013, Nr. 4, 2012, pp. 83 - 86. WOS:000312128400013
16	F. Constantinescu, Al. G. Gheorghe, M. Nițescu, „A Capacitive Accelerometer Model”, Revue Roumaine des Sciences Techniques-Serie Electrotechnique et Energetique, ISSN: 0035-4066, Nr.2, 2013, pp 163 – 172. WOS:000320488100006
17	M.-E. Marin, F. Constantinescu, A. G. Gheorghe, C. , An 8-bit current-steering digital to analog converter with calibration capabilities for wireless communications, Rev. Roum. Sci. Techn.– Électrotechn. et Énerg., Vol. 62, 4, pp. 394–397, Bucarest, 2017, WOS:000439087200001
	<i>Articole în ISI proceedings</i>
1	Elek Demeter, F. Constantinescu, F. Hantila, Magnetic field and performances of a magnetic separator, International Symposium on Nonlinear Electromagnetic Systems (ISEM'95), Cardiff, September 17 -21 1995. WOS: A1996BG15E00205
2	Florin Constantinescu, Miruna Nitescu, Two-rate Computation of the Periodic Steady-state in RF-IC Circuits, Proc. of the International Symposium on Circuits and Systems ISCAS 2000, may 28-31

	2000, Geneve, Switzerland, pp. 121-125. WOS:000088845800031
3	F. Constantinescu, M. Nitescu, C. V. Marin, Finding periodic steady-state of strongly nonlinear RF-IC using shooting by exponential extrapolation, 1st IEEE Conference CCSC, Skt. Petersburg, Russia, 27-30 June, 2002. WOS:000181862900075
4	F. Constantinescu, M. Nitescu, C.V. Marin, M. Iordache, L. Dumitriu, Implementation of 2D SPICE models for finding periodic steady-state of strongly nonlinear RF-IC , IECS 2002, Dubrovnik, Croatia 15-17 Sept. 2002. WOS:000180927800068
5	M. Iordache, L. Dumitriu, F. Constantinescu, and M. Nitescu, "Tearing techniques for symbolic simulation of large-scale analog circuits," in Proc. 9th Int. Conf. Electronics, Circuits Systems (IECS), Dubrovnik, Croatia 15-17 Sept. 2002, vol. 3, 2002, pp. 879-882. WOS:000180927800215
6	Constantinescu F., Marin C., V., Nitescu M., Marin D., A new approach to parameter identification of linear circuits, International Symposium on Signals, Circuits and Systems, IASI, ROMANIA Date: JUL 10-11, 2003, pp. 457-460. WOS:000186628100116
7	Constantinescu F., Nitescu, M; Ionescu, A, When is the fast computation of the periodic steady state appropriate, 7th International Symposium on Signals, Circuits and Systems (ISSCS 2005), Iasi, ROMANIA, July 14-15, 2005, pp. 323-326. WOS:000245413504084
8	Mihai Iordache, Lucia Dumitriu, Florin Constantinescu, Miruna Nitescu, A New Steady-State Analysis Method for RF-IC Circuits Driven by Multi-Tone Signals, Proceedings of 2006 IEEE International Symposium on Circuits and Systems (ISCAS) May 21-24, 2006 Island of Kos, Greece, p. 2357-2360. WOS:000245413502196
9	Florin Constantinescu, Alexandru Gheorghe, Daniel Constantiu Ioan, Miruna Nitescu, Mihai Iordache, Lucia Dumitriu, A New Approach to the Computation of Reduced Order Models for One-Port and Two-Port RC Circuits, Proceedings of 2006 IEEE International Symposium on Circuits and Systems (ISCAS) May 21-24, 2006 Island of Kos, Greece pp. 4002-4005. WOS:000245413504084
10	F. Constantinescu, M. Nitescu, A. G. Gheorghe, Circuit models for power BAW resonators - set-up and implementation, 8th IEEE Africon Conference, Sept. 26-28, 2007, Windhoek, Namibia. WOS:000255394100192
11	Florin Constantinescu, Angelo Brambilla, Giancarlo Storti Gajani, Miruna Nitescu, Algorithmic aspects in RF Circuit Simulation, Proceedings of IEEE ISCAS 2007, New Orleans, SUA, 27-30 May 2007. WOS:000251608400126
12	Al. G. Gheorghe, F. Constantinescu, M. Nitescu, "Efficiency of the Envelope Following Analyses", Proceedings of IEEE ISSCS 2007 (International Symposium on Signals, Circuits and Systems), 12-13 iulie 2007, Iasi, Romania., pp.517-520. WOS:000250471700132
13	M. Nitescu, F. Constantinescu, AL. G. Gheorghe, Modeling of Power BAW Resonators Proceedings of 5th WSEAS Int. Conference on Applied Electromagnetics, Wireless and Optical Communications, Tenerife, Spain, December 14-16, 2007, pp.103-106. WOS:000254098600021
14	M. Nitescu, F. Constantinescu, A.-G. Gheorghe, "An A.C. linear parametric behavioral model of a nonlinear BAW resonator", International Conference on Circuits and Systems for Communications (ICCSC'06), July 10-11, 2006, Politehnica University, Bucharest, Romania. WOS:000259024700028
15	M. Maricaru, F. Constantinescu, M. Nitescu, A. Florea "Field models of power BAW resonators", European Conference on Circuits and Systems for Communications (ECCSC 2008), July 10- 11, 2008, Politehnica University, Bucharest, Romania. WOS:000259024700029
16	A. G. Gheorghe, C. V. Marin, F. Constantinescu, M. Nitescu, , "A new circuit model for body cell mass prediction", 4th European Conference on Circuits and Systems for Communications (ECCSC 08), JUL 10-11, 2008, Politehnica University, Bucharest, Romania WOS:000259024700031
17	I. F. Hantila, F. Constantinescu, A. G. Gheorghe, M. Nitescu, - "A Frequency Domain Method for Analysis of Dynamic Circuits with Resistive Nonlinearities", European Conference on Circuits and Systems for Communications (ECCSC2008), July 10- 11, 2008, Politehnica University, Bucharest, Romania. pp. 140-143. WOS:000259024700034
18	F. Constantinescu, M. Nitescu, A. G. Gheorghe, C. V. Marin, , A method for one port and two-port RC circuit synthesis, 7th WSEAS International Conference on Circuits, Systems, Electronics, Control & Signal Processing, DEC 15-17, 2008, Puerto de la Cruz, Spain, pp. 124-127. WOS:000254098600021

19	F. Constantinescu, Al. G. Gheorghe, M. Nitescu A Time Step Choice Algorithm for Transient Analysis of Circuits, AFRICON 2009, Nairobi, Kenya, September 23-26, 2009. WOS:000275165500110
20	F. Constantinescu, A. G. Gheorghe, M. Nitescu, Circuit Models of Passive One-ports with Resistive and Capacitive Behavior, International Symposium on Electrical and Electronics Engineering, September 16-18, 2010, Galați, Romania.
21	A. Florea, O. Llopis, M. Nitescu, F. Constantinescu, Experimental results on the nonlinear effects in power BAW resonators, International Symposium on Electrical and Electronics Engineering, September 16-18, 2010, Galați, Romania. WOS:000304591700023
22	Constantinescu, F.; Gheorghe, A.G.; Nitescu, M.; Florea, A.; Llopis, O., Physical and behavioral circuit models of power BAW resonators, Signals, 10th International Symposium on Signals, Circuits and Systems (ISSCS) 2011, June 30-July 1 2011, Iasi, Romania. WOS:000337925400073
23	G. Stroe, A. Florea, O. Llopis, F. Constantinescu, M. Nitescu, Reduction of second harmonic distortion using anti-series and anti-parallel connections of power BAW resonators, International Semiconductor Conference, October 17-19 2011, Sinaia, România. WOS:000320322000040
24	Florin Constantinescu, Alexandru Gabriel Gheorghe, Miruna Nitescu, Aurelian Florea, Nonlinear artificial line models for power BAW resonators, AFRICON 2011, September 13-15, 2011, Livingstone, Zambia. WOS:000298383100199
25	Constantin Viorel Marin, Florin Constantinescu, Miruna Nitescu, A dictionary approach to fault diagnosis of analog circuits, AFRICON 2011, September 13-15, 2011, Livingstone, Zambia. WOS:000298383100199
26	G. Stroe, F. Constantinescu, A. G. Gheorghe, M. Nitescu, O. Llopis, Measurement and Modeling of Nonlinear Effects for Power BAW Filters with AlN, Proceedings of Advanced Topics in Electrical Engineering, Politehnica University Bucharest, Faculty of Electrical Engineering, May 23-25 2013. WOS:000332928500127
27	C. Brinzei, F. Constantinescu, A new calibration method for current steering DACs, International Symposium on Electrical and Electronics Engineering, October 11-12, 2013, Galați, Romania. WOS:000335153400066
28	A. G. Gheorghe, F. Constantinescu, M. Marin, M. Nitescu, The Envelope Following Analysis of a Buck Converter with Closed Loop Control, International Symposium on Electrical and Electronics Engineering, October 11-12, 2013, Galați, Romania. WOS:000332928500127
29	A. G. Gheorghe, F. Constantinescu, M. Nitescu, Improved LR Algorithm for Computation of the Approximate Symbolic Pole/Zero Expressions, AFRICON 2013, Mauritius, Sept. 9-12, 2013, IEEE XPLORE
30	F. Constantinescu, M. Nitescu, A. G. Gheorghe, M. E. Marin, D. Rogobete, A. C. Tarnoveanu, A. M. Vizanti, A New Approach to Intelligent Search in Electrical Engineering Literature, 5th International Conference on Information, Intelligence, Systems and Applications July 7-9 2014, Chania, Crete, Greece. WOS:000345861900026
31	M.-E. Marin, C. Brînzei, F. Constantinescu, A. G. Gheorghe, Iulian Ursac, Design of a 8 bit current-steering DAC for a GSM transmitter, 2014 International Symposium on Fundamentals of Electrical Engineering, Politehnica University of Bucharest, November 28-29 2014. WOS:000380570500033
32	F. Constantinescu, O. Taus, A. G. Gheorghe, A New Behavioral Model for Frequency Domain Analysis of Power BAW Filters, 13TH INTERNATIONAL CONFERENCE ON ENGINEERING OF MODERN ELECTRIC SYSTEMS (EMES 2015), June 11-12, 2015, Oradea, Romania, WOS:000363815100005, ISBN:978-1-4799-7650-8.
33	Al. G. Gheorghe, F. Constantinescu, M. Nițescu, "State Matrix Simplification for Computation of the Approximate Pole/Zero Expressions", International Conference on Synthesis, Modeling, Analysis and Simulation Methods and Applications to Circuit Design (SMACD 2015), Istanbul, Turkey, 7-9 September, 2015, WOS:000380412000008, ISBN:978-1-4673-9184-9
34	O. S. Taus, F. Constantinescu, A. G. Gheorghe, "Compensation of the Connection Wires Influence for a Behavioral Model of a Power BAW Filter", 2015 IEEE 21st International Symposium for Design and Technology in Electronic Packaging (SIITME), October 22nd–25th, 2015, Brasov, Romania, WOS:000377765500037
35	M. E. Marin, F. Constantinescu, C. Brinzei, A. G. Gheorghe, Verification of a Calibration Method for Digital to Analog Converters, 2016 INTERNATIONAL SYMPOSIUM ON FUNDAMENTALS OF

	ELECTRICAL ENGINEERING (ISFEE), Bucharest, Romania, June 30- July 2, 2016, ISBN:978-1-4673-9575-5, WOS:000392434400045, ISBN:978-1-5090-0332-7.
36	M. E. Marin, F. Constantinescu, O. S. Taus, A. G. Gheorghe, Intermodulation Products in AIN Power BAW Duplexer Filters, ISSCS 2017, Technical University Iasi, Romania, July 13 -14 2017. WOS:000425211500087
37	Florin Constantinescu, Alexandru Gabriel Gheorghe, Mihai Eugen Marin, Ovidiu Taus, Harmonic balance analysis of home appliances power networks, 2017 14th International Conference on Engineering of Modern Electric Systems (EMES), June 1-2, 2017, WOS:000427085200061
38	Mihai-Eugen Marin, Mihai Maricaru, Florin Constantinescu, Alexandru Gabriel Gheorghe, Hardware and software approach for teaching automotive networks, Conference: 2017 Electric Vehicles International Conference (EV), October 2017. WOS:000427815000011
39	A. G. Gheorghe, Florin Constantinescu, M. E. Marin, Symbolic Formulas for Settling Time and Phase Margin of Op-Amp with Arbitrary Number of Poles and Zeros, Proc. XXVII International Scientific Conference Electronics - ET2018, September 13 - 15, 2018, Sozopol, Bulgaria. IEEE Xplore
40	A. G. Gheorghe, F. Constantinescu, M. E. Marin, V. Ștefănescu, G. Vătășelu, Frequency Domain Models for Nonlinear Home Appliance Devices, 2018 International Symposium on Fundamentals of Electrical Engineering (ISFEE), Bucharest, Romania, November 1-2, 2018. WOS:000480396400062
41	F. Constantinescu, A. G. Gheorghe, M. E. Marin, G. Vătășelu, V. Ștefănescu, D. Bodescu, New Models for Frequency Domain Simulation of Home Appliances Networks, 11-th International Symposium on Advanced Topics in Electrical Engineering, March 28-30, 2019, Bucharest, Romania. WOS:000475904500140
42	F. Constantinescu, M. Rață, F. R. Enache, G. Vătășelu, V. Ștefănescu, D. Milici, I. Aramă, Frequency Domain Models for Nonlinear Loads with Firing Angle control Devices Part I – Measurements, 2019 15th International Conference on Engineering of Modern Electric Systems (ICEMES), Oradea, Romania, 13-14 June 2019. WOS:000503434500061
43	F. R. Enache, F. Constantinescu, M. Rață, G. Vătășelu, V. Ștefănescu, D. Milici, I. Aramă, Frequency Domain Models for Nonlinear Loads with Firing Angle control Devices, Part II – Modeling, 6-th International Symposium on Electrical and Electronics Engineering, Galati, Romania, October 18 -20 2019.
	Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale
	<i>Articole in reviste indexate în alte baze de date internaționale</i>
1	St. Zarea and Fl. Constantinescu, An iterative method for the analysis of pipeline networks, Rev. Roum. Sci. Techn.-Mec. Appl., t.19 (1974), no.4, p.691-704. Google Scholar
2	Fl. Constantinescu, An algorithm for finding the component tolerances in a wide- band amplifier, Rev. Roum. Sci. Techn.-Electrotechn. et Energ., t. 23, no. 1, p. 85-92 (1978). Electrical and Electronics Abstracts -INSPEC 1225241
3	Fl. Constantinescu and Fl. Hantila, A numerical method for the calculation of the stationary magnetic field in nonlinear and inhomogeneous media, Rev. Roum. Sci. Techn.- Electrotechn. et Energ., t.25, no. 1 (1980), p.3-16. Electrical and Electronics Abstracts -INSPEC 1571556
4	Fl. Hantila and Fl. Constantinescu, The calculation of the separation characteristics for a magnetic separator, Rev. Roum. Sci. Techn.-Electrotechn. et Energ., t.25, no. 3 (1980), p.369-377. Electrical and Electronics Abstracts -INSPEC 1694547
5	Fl. Constantinescu, Realizability conditions for nonlinear concave characteristics, Buletinul Inst. Politehnic "Gh.Gheorghiu-Dej" Bucuresti, seria Electrotehnica, t. XLV(1983) p.68-74. Electrical and Electronics Abstracts -INSPEC 2303880
6	M. Nitescu, Fl. Constantinescu and F. Spinei, A method for symbolic analysis of large-scale networks, Rev. Roum. Sci. Techn.-Electrotechn. et Energ., t. 28 (1983), no.3, p.249-257. Electrical and Electronics Abstracts -INSPEC 2222200
7	Fl. Constantinescu si M. Nitescu, Influenta toleranțelor parametrilor tranzistorului asupra costului unui amplificator de banda larga, Buletinul Institutului Politehnic Bucuresti, Seria Electrotehnica, t.51, 1989, p.67-70. Electrical and Electronics Abstracts -INSPEC 3738208
8	F. Constantinescu and M. Nitescu, Symbolic analysis - a tool for sensitivity computation, Rev. Roum. Sci. Techn. Ser. Electrotechn. et. Energ. , t. 38 (1993), no. 3, p. 385-389. Electrical and Electronics Abstracts -INSPEC 4735205

9	F. Constantinescu and M. Nitescu, Analysis and design of analog circuits using a symbol manipulation technique, Rev. Roum. Sci. Techn., Ser. Electrotechn. et Energ. 1994, nr.1 p. 27 -31. Electrical and Electronics Abstracts -INSPEC 5152091
10	Fl.Constantinescu, Miruna Nitescu and A. Georgescu, A shooting method for the computation of the steady state in nonlinear circuits. Part I: theory, Buletinul Universitatii Tehnice "Gh.Asachi" Iasi, Sectia III Electrotehnica, Energetica, Electronica, tom XLI(XLV), fasc. 1-2, 1995, p.7-13. Electrical and Electronics Abstracts -INSPEC 5286747
11	Miruna Nitescu and Fl.Constantinescu, The Efficiency of Tearing in Symbolic Analysis Problems, Rev. Roum. Sci. Techn., Ser. Electrotechn. et Energ.,vol. 40 (1995), no.3, p. 321-327. British Library UIN: ETOCRN028823423.
12	Fl. Constantinescu, Synthesis of nonlinear concave driving-point characteristics using Zener diodes belonging to a certain class, Rev. Roum. Sci. Techn., Ser. Electrotechn. et Energ. 1994 no. 2, p. 131-137 . Electrical and Electronics Abstracts -INSPEC 5160526
13	F. Constantinescu and M. Nitescu, Symbolic calculation of poles and zeros expressions using the reduced state matrix, Rev. Roum. Sci. Techn., Ser. Electrotechn. et Energ., vol. 42, 2, pp.235-242, Bucharest, 1997. Electrical and Electronics Abstracts -INSPEC 6344740
14	F. Constantinescu, M. Nitescu, A method for the computation of symbolic pole expressions,, Rev. Roum. Sci. Techn., Ser. Electrotechn. et Energ. . vol 40 (1995) nr.2 , pp.207-213. British Library UIN: ETOCRN028823800
15	F. Constantinescu and M. Nitescu, Some techniques for approximative computation of symbolic pole expressions, Rev. Roum. Sci. Techn., Ser. Electrotechn. et Energ., vol.41 (1996), nr.1, pg.71-77. British Library UIN: ETOCRN028823241
16	F Constantinescu, A Ionescu, Determination of the periodic steady state in piecewise-linear transistor circuits, Rev. Roum. Sci. Techn., Ser. Electrotechn. et Energ., vol. 41 (1996), No. 2, pp. 205-209. British Library UIN: ETOCRN028823113
17	Miruna Nitescu, Fl. Constantinescu, The Efficiency of Some Numerical Methods for Hierarchical circuit Analysis, Rev. Roum. Sci. Techn., Ser. Electrotechn. et Energ., 1997. Electrical and Electronics Abstracts -INSPEC 6344750
18	Miruna Nitescu, Fl. Constantinescu, The Efficiency of Numerical and Symbolic Repetitive Computations, Rev. Roum. Sci. Techn., Ser. Electrotechn. et Energ., Vol. 42 (1997), pp. 437-443. Electrical and Electronics Abstracts -INSPEC 6357512
19	F. Constantinescu, A. Ionescu, M. Nitescu, Fast finding of the periodic steady-state in nonlinear circuits by exponential extrapolation, JSAEM Studies in Applied Electromagnetics and Mechanics (a supplement of the International Journal of Applied Electromagnetics and Mechanics), 1998, ISSN 1343-2869, pp.275 -280. British Library UIN ETOCCN032688163
20	F. Constantinescu, M. Nitescu, Simplified symbolic expressions of circuit functions valid for a certain region of the complex plane, JSAEM Studies in Applied Electromagnetics and Mechanics (a supplement of the International Journal of Applied Electromagnetics and Mechanics), 1998, ISSN 1343-2869, pp.281-287. British Library UIN: ETOCCN032688179
21	M. Nitescu, F. Constantinescu, On the efficiency of symbolic and numeric hierarchical methods for solving repetitive computation problems, JSAEM Studies in Applied Electromagnetics and Mechanics (a supplement of the International Journal of Applied Electromagnetics and Mechanics), 1998, ISSN 1343-2869, pp.80-86. British Library UIN: ETOCCN032687866
22	Fl. Constantinescu Miruna Nitescu, Finding simplified symbolic expressions of circuit functions using reduced state-like matrices,, Rev. Roum. Sci. Techn., Ser. Electrotechn. et Energ., vol. 44 (1999), nr. 2, p. 155-162. Electrical and Electronics Abstracts -INSPEC 6761141
23	F. Constantinescu, M. Nitescu, A new method for analysis of nonlinear circuits with broad frequency spectrum, Rev. Roum. Sci. Techn. Ser. Electrotechn. et. Energ., vol. 44 (1999), nr. 3, p. 281-288. Electrical and Electronics Abstracts -INSPEC 6886167
24	F. Constantinescu, M. Nitescu, Sequence of expresions algorithm for symbolic analysis, Rev. Roum. Sci. Techn. Ser. Electrotechn. et. Energ., vol. 45 (2000), nr. 2, p. 155-161. Electrical and Electronics Abstracts -INSPEC 7144054
25	F. Constantinescu, C. V. Marin, M. Nitescu, D. Marin, A new parameter identification method based on approximate symbolic pole/zero expressions, Rev. Roum. Sci. Techn. - Électrotechn. et Énerg., 2003 British Library UIN ETOCRN149276109

26	F. Enache, Gh. Gavrilă, F. Constantinescu, Time domain and frequency domain steady state computation of nonlinear circuits, Rev. Roum. Sci. Techn. - Électrotechn. et Énerg., vol. 49, No. 4 (2004). Google Scholar
27	M. Nănescu, F. Constantinescu, Al.-G. Gheorghe, L. Dumitriu, "Fast Solving of a Linear Parametric Model of a BAW Resonator", Annals of the University of Craiova, Electrical Engineering series, ISSN 1842-4805, No. 30, 2006, pp 32-35, Google Scholar
28	F. Constantinescu, M. Nănescu, C. V. Marin, Some remarks on nonlinear circuit analysis, Rev. Roum. Sci. Techn. - Électrotechn. et Énerg., vol. 51, No. 3 (2006), pp. 293-302 . Electrical and Electronics Abstracts -INSPEC 9218152.
29	Al. G. Gheorghe, F. Constantinescu, "Solution computation for resistive circuits containing companion models", University POLITEHNICA of Bucharest, 193-204t, SCIENTIFIC BULLETIN SERIES C - ELECTRICAL ENGINEERING, Vol. 72, Iss. 4, 2010, pp.193-204. Electrical and Electronics Abstracts -INSPEC 12080859
30	Al. G. Gheorghe, M. Nănescu, F. Constantinescu , „Circuit Models for Anti-series and Anti-parallel Connections of Power Bulk Acoustic Wave Resonators”, ELECTROTEHNICA, ELECTRONICA, AUTOMATICA, 57 (2009) nr.3, p.17-19. Google Scholar
31	St. Zarea et Fl. Constantinescu , <i>Methodes iterative de calcul hydraulique des reseaux mailles de conduites</i> , Compte Rendus Acad. Sci. Paris, t.278 (14 janvier 1974), p.173-176. Google Scholar
32	G. I. Stroe, A. Florea, O. Llopis, F. Constantinescu, M. Nănescu, Measurement of nonlinear effects in filters based on BAW resonators with AlN, The Scientific Bulletin of Electrical Engineering Faculty, Valachia University of Targoviste, Faculty of Electrical Engineering, Year 11 (2011), No. 2, pp. 91-94. Google Scholar
33	F. Constantinescu , M. Nănescu, C. V. Marin, Finding the periodic steady-state of strongly nonlinear circuits by shooting with improved exponential extrapolation, Analele Universitatii din Oradea, Fascicula Electrotehnica, 2002, pag. 17-23. Google Scholar
34	Fl. Constantinescu , C. Cojocaru, M. Nănescu, and Fl. Hantila. Volterra analysis of a frequency doubler, Buletinul U.P.B.,1993, nr. 3-4, pp. 203-205 Google Scholar
	<i>Articole în volumele unor manifestări științifice indexate în alte baze de date internaționale</i>
1	St. Zarea and Fl. Constantinescu, The hydraulic calculation of pipeline and canal networks by an iterative method of random search, Proceedings of the Second International IAHR Symposium on Stochastic Hydraulics, Lund Institute of Technology/ University of Lund, Sweden, August 2-4 1976, pp.471-481. Google Scholar
2	Florin Constantinescu and Miruna Nănescu, Computer simulation as a teaching tool for uncustomary behavior of nonlinear circuits, Proceedings of Computer-Aided Engineering Education Conference 1993 (CAEE'93), p. 393-398 .British Library UIN: ETOCCN014388412
3	F. Constantinescu and M. Nănescu, A new approach to symbolic pole computation, European Conference on Circuit Theory and Design (ECCTD'95), Istanbul, August 27- September 1, 1995, pp. 655-658. Inspec 5884020,
4	Fl. Constantinescu, M. Nănescu, Finding the symbolic expressions of the poles/zeros belonging to a region of the complex plane, European Conference on Circuit Theory and Design (ECCTD'97), Budapest, August 31- September 3, 1997. Inspec 6358858
5	Fl. Constantinescu, Miruna Nănescu, Computation of symbolic pole/zero expressions for analog circuit design, SMACD'96, Leuven, Belgie, October 9-11, 1996. Google Scholar
6	F. Constantinescu, M. Nănescu, M. Iordache, L. Dumitriu, R. Munteanu, A. Botinant, Selection of the best hierarchical structure analysis problems, Workop on Symbolic Methods and Applications to Circuit Design (SMACD'98), Kaiserslautern, Germany, October 8-9, 1998. Google Scholar
7	Fl. Constantinescu, A. Ionescu, Miruna Nănescu, A new extrapolation method for fast finding of the periodic steady state in nonlinear circuits, Symposium on Nonlinear Theory and Applications (NOLTA'98), Crans-Montana, Switzerland, September 14-17, 1998. Google Scholar
8	F. Constantinescu, M. Nănescu, A multi-rate method for finding the periodic steady-state of nonlinear high speed circuits, Proceedings of European Conference on Circuit Theory and Design (ECCTD'99), vol.2, pp. 767-770. Inspec: 7018399
9	F. Constantinescu, M. Nănescu, A new multi-rate method for analysis of RF-IC circuits, Proceedings

	of the Signals, Circuits and Systems Conference (SCS'99), Iasi 1999, pp.91-94. Inspec 6670005
10	Fl. Constantinescu, M. Nitescu, M. Iordache, Lucia Dumitriu, Finding Approximative Symbolic Pole/Zero Expression using the Eigenvalue Computation for State-Like Matrices, Proc. of SMACD 2000, Oct. 12-13 2000, Lisbon, Portugal, pp. 79-83. Google Scholar
11	Florin Constantinescu, Miruna Nitescu, Mihai Iordache, Lucia Dumitriu, A Program for the Computation of the Approximative Pole/Zero symbolic expressions, Advanced Topics in Electrical Engineering 2000, 8 Dec. 2000, "Politehnica" University of Bucharest, Faculty of Electrical Engineering. Google Scholar
12	F. Constantinescu, M. Nitescu, C. V. Marin, SPICE Models for Two-rate Computation of the Periodic Steady-state in Nonlinear RF-IC Circuits, Proc. of the International Symposium on Nonlinear Theory and its Applications NOLTA 2000, Dresden, Germany, Sept. 17 -21 2000, pp. 213-216. Google Scholar
13	F. Constantinescu, M. Nitescu, C.V. Marin, Computation of the periodic steady state in RF-IC circuits using fast envelope prediction, Proceedings of SCS 2001, Iasi, July 10-11, 2001, pp. 217-220. Inspec 14147294
14	Florin Constantinescu, Miruna Nitescu, Mihai Iordache, Lucia Dumitriu, A program for the computation of the approximate symbolic pole/zero expressions, Proceedings of ECCTD'01, Espoo, Finland 28-31 august 2001, vol. I, pp. 197-200. British Library UIN: ETOCCN041595905
15	Constantinescu F., Nitescu M., Marin C. V., Marin D., "Approximate symbolic pole expresions – Validity in the design space", 7th International Workshop on Symbolic Methods and Applications to Circuit Design SMACD Sinaia, October 10-11, 2002, pp. 43-46, British Library, UIN ETOCCN055539102
16	Miruna Nitescu, Florin Constantinescu, Constantin Viorel Marin, Symbolic Simulation- An Aid to Teach Circuit Theory Proc. of SMACD 2002-10-11 October, Sinaia, Romania, pp. 130-134. Google Scholar British Library, UIN ETOCCN055539272
17	Constantinescu, F. ; Nitescu, M. ; Munteanu, A., Symbolic Computation-A Teaching Aid to Circuit Synthesis, Proc. of SMACD 2002-10-11 October, Sinaia, Romania, pp. 134-136. Google Scholar
18	F. Constantinescu, M. Nitescu, C.V. Marin, D. Marin, Computation of simple symbolic pole expressions, Proceedings of ATEE 2002, pp.35-38. Google Scholar.
19	F. Constantinescu, C. V. Marin, M. Nitescu, D. Marin, Parameter identification using symbolic pole/zero expressions, European Conference on Circuit Theory and Design (ECCTD'03), Poland, September 1-4, 2003. Inspec 7854709
20	Constantinescu F., Marin C., V., Nitescu M., Marin D., Parameter Identification for the Transverse Mode Equivalent Circuit of an Isolation Transformer Simpozionul National de Electrotehnica Teoretica SNET'2003 Bucuresti, Iunie 18 2003 ISBN 973-652-800-6 pg. 35-38 Google Scholar
21	Constantinescu F., Nitescu M., Marin C., V., Marin D., Symbolic Computation Laboratory For Circuit Analysis And Synthesis Simpozionul National de Electrotehnica Teoretica SNET'2003 Bucuresti, Iunie 18 2003 ISBN 973-652-800-6 pg. 51-54. Google Scholar
22	F Enache, G Gavrilă, F Constantinescu, Time domain and frequency domain steady state computation of nonlinear circuits, Simpozionul National de Electrotehnica Teoretica, Bucuresti, 22-23 octombrie 2004. Google Scholar
23	Al. Gheorghe, Florin Constantinescu, Daniel Ioan, Miruna Nitescu, „Modele pasive de ordin redus ale circuitelor de mari dimensiuni de tip RC”, SNET '04, Simpozionul National de Electrotehnica Teoretica, Bucuresti, 22-23 octombrie 2004. Google Scholar
24	Nitescu M., Marin C.V., Constantinescu F., "Teaching Circuit Theory Using Symbolic Simulation", SNET 2004, ISBN 973-718-096-8, pag.259-263, Google Scholar
25	F. Constantinescu, C.V. Marin, M. Nitescu, A Method for parameter identification of linear circuits, Proceedings of 7th International Conference of Applied and Theoretical Electricity (ICATE), October 14-15, 2004, Herculane, pp.46-49. Google Scholar
26	Florin Constantinescu, Al. Gheorghe, Daniel Ioan, Miruna Nitescu - „A new approach to the computation of passive reduced order models of RC circuits” ATEE '04, Advanced Topics in Electric Engineering, Bucuresti, 23-24 November 2004. Google Scholar
27	Al. Gheorghe, Florin. Constantinescu, "Steady State Analysis Implementation Using SPECTRE RF Sensitivity Computation", Simpozionul National de Electrotehnica Teoretica, Bucuresti 12-13 mai

	2005. Google Scholar
28	F Constantinescu, M Nitescu, CV Marin, A glimpse into some aspects of nonlinear circuit analysis, Simpozionul National de Electrotehnica Teoretica, Bucuresti 12-13 mai 2005, pp. 12-14. Google Scholar
29	F. Constantinescu, Al.-G. Gheorghe, M. Nitescu, „Large signal analysis of RF circuits – an overview”, Proceedings of ATEE: “Advanced Topics in Electrical Engineering”, Politehnica University, Bucharest, Romania, November 24-25, 2006. Google Scholar
30	M. Nitescu, F. Constantinescu, Al.-G Gheorghe, Fast solving of a linear parametric a.c. model using a symbolic admittance expression, Proceedings of the Workshop on Symbolic Methods and Applications to Circuit Design (SMACD) 2006 October 12-13, Florence, Italy, pp. 16-20. British Library, UIN ETOCCN063362437
31	F. Constantinescu, M. Nitescu, A. G. Gheorghe, New Circuit Models for Power BAW Resonators, Proceedings of Xth International Workshop on Symbolic and Numerical Methods, Modeling and Applications to Circuit Design (SM2ACD 2008), Institut für Mikroelektronik- und Mechatronik-Systeme GmbH, Erfurt, Germany, October 7-8, 2008, pp.216-220. Scopus 2-s2.0-84906056801
32	A. G. Gheorghe, C. V. Marin, F. Constantinescu, M. Nitescu, A new RC model for body cell mass prediction, Proceedings of Xth International Workshop on Symbolic and Numerical Methods, Modeling and Applications to Circuit Design (SM2ACD 2008), Institut für Mikroelektronik- und Mechatronik-Systeme GmbH, Erfurt, Germany, October 7-8, 2008, pp.221-226. Scopus 2-s2.0-84906057343
33	M. Maricaru, F. Constantinescu, M. Nitescu, 3D Electromechanical Field Models of AlN BAW Resonators, Proceedings of Xth International Workshop on Symbolic and Numerical Methods, Modeling and Applications to Circuit Design (SM2ACD 2008), Institut für Mikroelektronik- und Mechatronik-Systeme GmbH, Erfurt, Germany, October 7-8, 2008, pp. 227-230. Scopus 2-s2.0-84906060733
34	F. Constantinescu, M. Nitescu, A. G. Gheorghe, - “New Nonlinear Circuit Models for Power BAW Resonators”, Politehnica University, Romania, Proceedings of IEEE ICCSC 2008, 26-28 mai 2008, Shanghai, China. Inspec 10052207
35	Al. G. Gheorghe, C. V. Marin, F. Constantinescu, M. Nitescu, “Synthesis of a new RC model for body cell mass prediction”, Simpozionul Național de Electrotehnică Teoretică (SNET), 5-7 iunie 2008, București. Google Scholar
36	I.F. Hantila, F. Constantinescu, M. Maricaru, C. Ifrim, A New Algorithm for Frequency Domain Analysis of Nonlinear Circuits, Proceedings of the IASTED International Conference on Circuits and Systems, August 18 – 20, 2008 Kailua-Kona, HAWAII, USA, p. 159-163. German National Library of Science and Technology
37	Al. G. Gheorghe, F. Constantinescu, M. Nitescu, Error control in circuit transient analysis, 2009 IEEE International Conference on Electronics Circuits and Systems, Medina Hammamet, Tunisia, December 13-16, 2009. Inspec 11142119
38	F. Constantinescu, M. Nitescu, A.-G. Gheorghe, Modeling and Simulation of Power BAW Resonators and Filters, Proceedings of XI International Workshop on Symbolic and Numerical Methods, Modeling and Applications to Circuit Design (SM2ACD 2010), October 5-6, 2010, Tunis-Gammarth, Tunisia. Inspec 11698763
39	Florin Constantinescu, Miruna Nitescu and Alexandru Gabriel Gheorghe, Circuit Models for Power BAW Resonators, 2010 IEEE 26-th Convention of Electrical and Electronics Engineers in Israel, November 17-20, 2010, Eilat, Israel. Inspec 11695919
40	Florea Ioan Hantila, Mihai Maricaru, Florin Constantinescu, Radu Ciuceanu, A new method for time domain computation of the steady state in nonlinear circuits, IEEE COMCAS 2011, Tel Aviv; Israel, November 7-9, 2011 Inspec 12442413
41	G. Stroe, A. Florea, O. Llopis, F. Constantinescu, M. Nitescu, Measurement of nonlinear effects in filters based on BAW resonators with AlN, International Symposium on Electrical Engineering (ISEE'11), Targoviste, Romania, November 22-23. GS
42	G. Stroe, A. Florea, O. Llopis, F. Constantinescu, A. G. Gheorghe, M. Nitescu, Measurement of Nonlinear Effects for Anti-series and Anti-parallel Connections of Power Bulk Acoustic Wave Resonators, IEEE COMCAS 2011, Tel Aviv; Israel, November 7-9, 2011 102. IEEE XPLORE DOI:

	10.1109/COMCAS.2011.6105806
43	F. Constantinescu, A. G. Gheorghe, G. Stroe, M. Nitescu, O. Llopis, A nonlinear circuit model for a three BAW resonator filter working at high power level, International Conference on Synthesis, Modeling, Analysis and Simulation Methods and Applications to Circuit Design, Seville, Spain, September 19-21, 2012. Inspec 13101517
44	A. G. Gheorghe, F. Constantinescu, M. Nitescu, Transient computation of DC-DC converters using a new envelope following method, International Conference on Synthesis, Modeling, Analysis and Simulation Methods and Applications to Circuit Design, Seville, Spain, September 19-21, 2012. Inspec 13101516
45	A. G. Gheorghe, F. Constantinescu, Pole/zero computation for linear circuits, 6-th European Symposium on Computer Modeling and Simulation, Malta, Nov. 14-16, 2012. Inspec 13101517
46	A. G. Gheorghe, F. Constantinescu, G. Stroe, M. Nitescu, O. Llopis, Behavioral models for the anti-series and anti-parallel connections of two power BAW resonators, 6-th European Symposium on Computer Modeling and Simulation, Malta, Nov. 14-16, 2012. Inspec 13244687
47	F. Constantinescu, A. G. Gheorghe, M. Nitescu, Convergence problems in transient analysis of circuits containing MEMS, Simpozionul Național de Electrotehnică Teoretică (SNET '12), 14 Decembrie 2012, București. Google Scholar
48	C. Brnzei, F. Constantinescu, I. Ursac, Digital mixer with current steering DAC, Simpozionul Național de Electrotehnică Teoretică (SNET '12), 14 Decembrie 2012, București. Google Scholar
49	Constantinescu F., Nitescu M., Enache F.: 2D time domain analysis of nonlinear circuits using pseudo-envelope initialization, Proc. 2-nd International Conference on Circuits and Systems for Communication, Moscow, 2004. Google Scholar
50	F. Constantinescu, M. Nitescu, C.V. Marin, D. Marin, Computation of simple symbolic pole expressions, Proceedings of Advanced Topics in Electrical Engineering 2000, pp.35-38. Google Scholar
51	M. Nitescu, F. Constantinescu, Al.-G. Gheorghe, A.C. Analysis of Circuits with "Energetic" Parametric Models, Proceedings of ATEE: Advanced Topics in Electrical Engineering, Politehnica University, Bucharest, Romania, November 24-25, 2006, pp. 195-198. Google Scholar.
52	F. Constantinescu, A. G. Gheorghe, A. Florea, M. Nitescu, "The Nonlinear artificial transmission line model for power BAW resonators", Simpozionul Național de Electrotehnică Teoretică (SNET '10), 3-4 decembrie 2010, București. Google Scholar
53	F. Constantinescu, M. Nitescu, A. G. Gheorghe, Simulation of nonlinear effects in power BAW resonators and filters, SNET 2007 Simpozionul National de Electrotehnica Teoretica, Bucuresti 12 - 14 octombrie 2007. Google Scholar
54	Al. G. Gheorghe, F. Constantinescu, M. Nitescu, "A comparison between envelope analysis implementations", SNET 2007 (Simpozionul National de Electrotehnica Teoretica), Bucuresti 12 - 14 octombrie 2007. Google Scholar
55	Fl. Constantinescu, M. Nitescu, Al.-G Gheorghe, Parameter identification for a behavioral model of a nonlinear BAW resonator, , Proceedings of the Workshop on Nonlinear Dynamics of Electronic Systems (NDES) June 6-9 2006, Dijon, France, pp. 14-17. Google Scholar
56	A. Gheorghe, F. Constantinescu , M. Nitescu, Interpolarea formei de unda in analiza tranzitorie, Simpozionul Național de Electrotehnică Teoretică (SNET '10), Universitatea Politehnica Bucuresti, București, 3-4 decembrie 2010. Google Scholar
57	F. Constantinescu , Al. G. Gheorghe, M. Nitescu, „The Energy Balance Error for Circuit Transient Analysis”, Advanced Topics in Electrical Engineering, ATEE'08, November 20-21, 2008, Bucharest, Romania, pp. 304-307. Google Scholar
58	Fl. Constantinescu, M. Nitescu, An estimation of the efficiency of SoE algoritms for symbolic analysis, Proc. of SMACD 2000, October 12-13, 2000, Lisbon, Portugal, pp. 51-55. Google Scholar
59	Florin Constantinescu, Miruna Nitescu, Comparatie intre un algoritm SoE pseudo-optimal si algoritmul lui Char pentru enumerarea arborilor, Advanced Topics in Electrical Engineering ATEE 2000, 8 Dec. 2000, "Politehnica" University of Bucharest, Faculty of Electrical Eng., pag. 19-24. Google Scholar
60	Al. G. Gheorghe, M. Nitescu, F. Constantinescu, „Circuit Models for Anti-series and Anti-parallel

	Connections of Power BAW Resonators”, ATEE’08, November 20-21, 2008, Bucharest, Romania, pp. 308-311. Google Scholar
61	A. Florea, O. Llopis, M. Nitescu, F. Constantinescu, Measurement of nonlinear effects in power BAW resonators, Simpozionul National de Electrotehnica Teoretica (SNET’ 09) , 27 Noiembrie 2009, p. 203-208. Google Scholar
62	Al. G. Gheorghe, F. Constantinescu, Rezolvarea numerica a circuitelor rezistive care contin modele companion, Simpozionul National de Electrotehnica Teoretica (SNET’ 09) , 27 Noiembrie 2009, p. 93-98. Google Scholar
63	F. Constantinescu, A. Gheorghe, “A new envelope following algorithm”, Simpozionul Național de Electrotehnică Teoretică (SNET ’10), 3-4 decembrie 2010, București. Google Scholar
64	F. Hantila, F. Constantinescu, M. Maricaru, M. Nitescu, Al. G. Gheorghe, “ UN ALGORITM NOU PENTRU ANALIZA CIRCUITELOR NELINIARE IN DOMENIUL FRECVENTEI”, Simpozionul Național de Electrotehnică Teoretică (SNET’08), 5-7 Iunie 2008, București. Google Scholar .
65	Fl. Constantinescu , Sinteza caracteristicilor concave realizate cu diode Zener de un anumit tip, Lucrarile sesiunii stiintifice ale Facultatii de Electrotehnica din I.P.B. si ale I.C.P.E., Oct. 1980, p.226-228. Google Scholar
66	Fl. Constantinescu , C. Cojocaru, M. Nitescu, O aproximare a caracteristicii unei diode varactoare utilizata in analiza Volterra a unui dublor de frecventa, Lucrarile Conferintei Anuale de Semiconductoare, Timisu de Sus, 10-13 oct. 1984, p. 235-238. Google Scholar
67	Miruna Nitescu, Fl. Constantinescu, Symbolic vs. numerical methods for solving repetitive computation problems, SMACD’96, Leuven, Belgie, October 9-11, 1996. Google Scholar
68	F. Constantinescu, M. Nitescu, Determinarea expresiei simbolice aproximative a frecventei de taiere a modului TM intr-un ghid de unda cu sectiune arbitrara, Workshop “Metode simbolice in Electrotehnica”, Catedra de Electrotehnica, Universitatea Politehnica Bucuresti, 5 Decembrie 1997. Google Scholar
69	F. Constantinescu, A. Ionescu, M. Nitescu, Fast finding of the periodic steady state in nonlinear circuits by exponential extrapolation, Advanced Topics in Electrical Engineering, December 4, 1998, Politehnica University of Bucharest, Bucharest, Romania, pp. 92-98. Google Scholar
70	F.Constantinescu, C.V. Marin, M. Nitescu, Parameter Identification using Symbolic Pole/Zero Expressions of Linear Circuits, International Workshop on Symbolic Methods and Application on Circuit Design, Wroclaw, Polonia, 23-24 septembrie 2004 Google Scholar
71	F. Constantinescu, Al. Gheorghe, D. Ioan, M. Nitescu, „Building Reduced Order Circuit Models via Internal Node Elimination”, SMACD ’04, International Workshop on Symbolic Methods and Application on Circuit Design, Wroclaw, Polonia, 23-24 septembrie 2004.
	S2. Reviste Naționale NEINDEXATE (sunt indexate pe Google, urmand a fi preluate de Google Scholar)
1	M. Preda, Fl. Constantinescu, Metoda generala de sinteza topologica a multiportilor activi fara transformatoare ideale, Buletinul Inst. Politehnic "Gh. Gheorghiu-Dej" Bucuresti, t. 37, nr.2 (mai-august 1975) p.75-84.
2	I. Iacob, A.M. Preda, M. Nitescu, Fl. Constantinescu, N. Constantiniu, Model de configuratie pentru laborator destinat disciplinei "Masurari electrice si electronice", Buletinul Roman de Informatica si Tehnica de Calcul, nr.5, 1989, p.96-100.
3	Fl. Constantinescu , M. Nitescu, and Fl. Hantila. Synthesis of a nonlinear transfer characteristic using Zener diodes of a given type, Buletinul U.P.B., nr.1-2, 1992, p.181-184.
4	Fl. Hantila, C. Trambitas, and Fl. Constantinescu , Iterative solving of integral equations of eddy currents, Buletinul U.P.B., nr.3-4, 1992, p.147-153.
5	Fl. Hantila, C. Ifrim, and Fl. Constantinescu , Eddy current losses in axial airgap DC machines, Buletinul U.P.B., 1993 , nr. 3-4, pp. 183-188.
6	Fl. Constantinescu and Miruna Nitescu, A simplified presentation of uncustomary behavior of nonlinear circuits, Buletinul U.P.B., nr.3-4, 1992, p. 179-184.
7	Fl. Constantinescu , M. Nitescu, Fl. Hantila and A. Georgescu, A finite difference method for computation of the periodic steady state in nonlinear circuits, Revista Academiei Tehnice Militare, 1994, no.1, pp. 158-163.

8	M. Nitescu si F. Constantinescu, Metode simbolice pentru proiectarea asistata de calculator a circuitelor analogice integrate, Electrotehnica, Electronica, Automatica, anul 38, nr. 9-10 (sept. 1994) p. 1-3.
9	Fl. Constantinescu and M. Nitescu, Some properties of single-element-kind circuits in the periodic steady state, Buletinul U.P.B, 1993, nr.1-2, p. 121-128.
	Comunicari NEINDEXATE (sunt indexate pe Google, urmand a fi preluate de Google Scholar)
1	Fl. Constantinescu , Fl. Hantila si I. Bahrin, Performantele de separare ale unui separator magnetic cu sase rotoare, Lucrarile Simpozionului de Informatica si Conducere, Cluj-Napoca, Mai 1980, p. 121-123.
2	M. Nitescu and Fl. Constantinescu, A program for symbolic analysis of electronic circuits, 6-th International Conference on Control Systems and Computer Science, Bucharest 1985 (preprints) vol.II p.406-410.
3	Fl. Constantinescu, Sinteza caracteristicilor de intrare concave realizate cu structuri serie-paralel care contin diode Zener de un anumit tip, 6-th International Conference on Control Systems and Computer Science, Bucharest 1985 (preprints) vol.II, p. 411-415.
4	Florin Constantinescu si Miruna Nitescu, O metoda de sinteza a unei caracteristici neliniare de transfer, Lucrarile Conferintei Anuale de Semiconductoare, editia a 10-a, Sinaia, 7-10 Octombrie 1987, p.421-424.
5	Miruna Nitescu si Florin Constantinescu, Analiza simbolica a circuitelor liniare nereziproce partitionate, Conferinta Nationala de Energetica, Bucuresti 1988.
6	Florin Constantinescu and Miruna Nitescu, Symbolic computation as a tool of linear circuit analysis over a wide range of frequencies. Proceedings of the Workshop on Symbolic Methods and Applications to Circuit Design, Firenze, October 8-9 1992, pp. 227-231.
7	Florin Constantinescu and Miruna Nitescu, Efficient distortion computation over a wide range of frequencies, Workshop on Nonlinear Circuits and Systems, Polytechnic Institute of Bucharest, October 31-st 1992, pp.7-8.
8	F. Constantinescu and M. Nitescu, Symbolic analysis and design of analog circuits using a simple formula, Proceedings of the Signals, Circuits and Systems Conference (SCS'93), Iasi 1993, p. 1-6.
9	Fl.Constantinescu , Miruna Nitescu, A.Georgescu, Fast computation of the steady state of a nonlinear circuit, OPTIM'94, Universitatea Transilvania Brasov, Mai 1994 p. 67-72.
10	M. Nitescu, Fl. Constantinescu, A method of symbolic analysis for teared electrical circuits, Simpozionul de Electronica si Telecomunicatii, Timisoara, 29-30 sept. 1994 , p.73-78.
11	Fl. Constantinescu, M. Nitescu, Fl. Hantila si A. Georgescu, Analysis of nonlinear circuits in the periodic steady-state by means of a finite difference method, Simpozionul de Electronica si Telecomunicatii, Timisoara, 29-30 sept. 1994 , p. 67-72.
12	Fl. Constantinescu, M. Nitescu, Fl. Hantila, and A. Georgescu, Linear models for the periodic steady-state computation in nonlinear circuits, Workshop on Nonlinear Dynamics of Electronic Systems, , Poland, 29- 30 July 1994 pp. 169- 172.
13	Florin Constantinescu, Miruna Nitescu and Andreia Nitescu-Henry, Symbolic analysis taking into account the symbolic parameters one by one, Workshop on Symbolic Methods and Applications to Circuit Design (SMACD'94), Sevilla, Spain, October 6-7, 1994 , pp. 353-357.
14	Miruna Nitescu, Florin Constantinescu, and Andreia Nitescu-Henry, An estimation of the computational effectiveness in hierarchical symbolic analysis, Workshop on Symbolic Methods and Applications to Krakow Circuit Design (SMACD'94), Sevilla, Spain, October 6-7, 1994 pp. 347-351.
15	M. Nitescu si F. Constantinescu, Alegerea structurii ierarhice optime in problemele de analiza simbolica a circuitelor, Sesiunea de Comunicari Stiintifice , Catedra de Electrotehnica U. P. B. , 5-6 mai 1995, p.247-254.
16	F. Constantinescu and M. Nitescu, Approximation procedures for finding symbolic pole expressions, International Symposium on Signals, Circuits, and Systems, Iasi, October 19-21 1995, pp.263-266.
17	F. Constantinescu and A. Ionescu, A method for fast computation of the periodic steady state in bipolar transistor circuits, International Symposium on Signals, Circuits, and Systems, Iasi, October 19-21 1995, pp. 267-270.
18	Florin Constantinescu, Miruna Nitescu, 2D time domain methods for analysis of strongly nonlinear

	electromechanical systems, Proceedings of the 3-rd Japan Romania Joint Seminar on Applied Electromagnetics and Mechanical Systems, September 11-15, 2001, Felix Spa, Oradea, Romania, pp. 43-48.
19	Florin Constantinescu , Miruna Nitescu, Mihai Iordache, Lucia Dumitriu, A program for the computation of the approximate pole/zero expressions for linear electromechanical systems, Proceedings of the 3-rd Japan Romania Joint Seminar on Applied Electromagnetics and Mechanical Systems, September 11-15, 2001, Felix Spa, Oradea, Romania, pp. 49-54.
20	M. Iordache, L. Dumitriu, M. Nitescu, F. Constantinescu, An efficient symbolic analysis method for large-scale analog circuits, Proceedings of the 2-nd Flemish-Romanian Workshop on Advances in Numerical Computation Methods in Electromagnetism, Gent, Belgium, May 15-16, 2003, pp. 110-124.
21	F. Constantinescu, Al. Gheorghe, D. Ioan, M. Nitescu, „Building Reduced Order Circuit Models via Internal Node Elimination”, SMACD '04, International Workshop on Symbolic Methods and Application on Circuit Design, Wroclaw, Polonia, 23-24 septembrie 2004.
22	Florin Constantinescu, Miruna Nitescu, Anca Ionescu When is shooting appropriate in steady state analysis of nonlinear circuits, Proceedings of NDES 05, Potsdam, 18-24 Sept. 2005.
23	F. Constantinescu, Al. G. Gheorghe, M. Nitescu, A Time Step Choice Algorithm for Transient Analysis of Circuits, 6-th Japanese- Mediterranean Workshop on Applied Electromagnetic Engineering for Magnetic, Superconducting and Nano Materials (JAPMED'6), Politehnica University Bucharest, July 27-29 2009, Bucharest Romania, pp. 91-92.
24	Al. G. Gheorghe, D. Chiriac, F. Constantinescu, A reduced order circuit model for an interdigital capacitor, 6-th Japanese- Mediterranean Workshop on Applied Electromagnetic Engineering for Magnetic, Superconducting and Nano Materials (JAPMED'6), Politehnica University Bucharest, July 27-29 2009, Bucharest Romania, pp. 203-204
	Lucrări invitate susținute la conferințe
1	F. Constantinescu, M. Nitescu, A. G. Gheorghe, M. Maricaru, Circuit and Field Models for Power BAW Resonators (invited paper), European Conference on Circuits and Systems for Communications (ECCSC'10) November 23–25, 2010, Belgrade, Serbia.
2	F. Constantinescu, A.G. Gheorghe, M. Nitescu, M. E. Marin, O. Taus, Behavioral Models of AlN Power BAW Resonators and Filters, International Symposium on Electrical and Electronics Engineering, Galati, Romania, October 20-22, 2017.
	Granturi/ proiecte câștigate prin competiție
	<i>Granturi câștigate prin competiție ca director/responsabil de proiect</i>
	<i>Granturi internaționale câștigate prin competiție ca director/responsabil de proiect</i>
1	MOBILIS -Mixed SiP and SoC Integration of Power BAW Filters for Digital Wireless Transmissions (FP6), Director of the Politehnica University team, 2006-2009.
2	Metode simbolice de invatare in ingineria electrica si electronica, Proiect pilot finantat de Banca Mondiala si Guvernul Romaniei, 1999-2002
	<i>Granturi naționale câștigate prin competiție ca director/responsabil de proiect</i>
1	Modele neliniare de camp si de circuit pentru rezonatoarele BAW de putere, proiect IDEI finantat de Consiliul National al Cercetarii Stiintifice din Invatamantul Superior, (2009-2011).
2	Simularea eficienta a circuitelor integrate neliniare de RF, beneficiar Consiliul National al Cercetarii Stiintifice din Invatamantul Superior, 2005-2007.
3	Simularea circuitelor neliniare de radiofrecventa utilizand doua variabile temporale”, Tema 7, Cod CNCSIS : 416, 2002-2004.
4	Metode noi de simulare eficienta a circuitelor neliniare de radiofrecventa, Tema nr. 71, cod CNCSU 829, beneficiar Consiliul National al Cercetarii Stiintifice din Invatamantul Superior, 1999-2000.
5	Algoritm si program de simulare a circuitelor integrate de radiofrecventa, Contract ANSTI, Tema B40, 1999.
6	Metode simbolice si numerice pentru determinarea frecventelor proprii ale sistemelor liniare, Contract 3042/ Tema B7, Beneficiar; Academia Romana, 1997-2000.
7	. Metode simbolice pentru analiza si proiectarea circuitelor analogice. Grant CNCSU, Contract nr. 4001-b/ Tema 126, 1995-1996.

8	Regimul periodic permanent al circuitelor trifazate neliniare. Faza II: Elaborarea programelor de calcul. Contract cu Ministerul Invatamantului, 1994.
9	Regimul periodic permanent al circuitelor trifazate neliniare. Faza I: Metode de calcul al regimului periodic permanent in circuitele neliniare. Contract cu Ministerul Invatamantului, 1993.
	<i>Granturi nationale câștigate prin competiție ca membru în echipă</i>
1	Traietorii in camp electromagnetic, proiect IDEI finantat de Consiliul National al Cercetarii Stiintifice din Invatamantul Superior, (2009-2011).
2	Metode noi de diagnosticare a defectelor in circuitele analogice, proiect IDEI finantat de Consiliul National al Cercetarii Stiintifice din Invatamantul Superior, (2009-2011).
3	Metode noi de analiza a circuitelor in domeniul timpului si in domeniul frecventei, proiect IDEI finantat de Consiliul National al Cercetarii Stiintifice din Invatamantul Superior, (2009-2011).
4	Sinteza modelelor comportamentale de circuit ale rezonatoarelor de putere cu unde acustice de volum pentru telefonie mobila, 2006-2008.
5	Metode simbolice noi pentru analiza si proiectarea circuitelor analogice integrate, Contract 33784/2002, Tema 24, CNCSIS 2002-2004.
6	Metode simbolice in proiectarea circuitelor analogice integrate de mica putere, Contract 33084/1999, Tema 66, CNCSIS.
7	Utilizarea calculului numeric al cimpului electromagnetic in cresterea performantelor produselor electrotehnice, Catedra de Electrotehnica, 1991.
	Contracte de cercetare/consultanță (valoare echivalentă de minimum 2.000 euro)
	<i>Contracte de cercetare/consultanță - responsabil</i>
1	Sistem de lectii asistate de calculator pentru lucrarile de laborator la disciplina "Masurari electrice si electronice". Contract cu Institutul de Tehnica de Calcul si Informatica, 1988
2	Calculul cimpului magnetic in aparatele de masura magnetoelectrice. Catedra de Electrotehnica I, 1979-1980
3	Calculul senzitivitatilor in circuitele electronice cu aplicatii la determinarea tolerantelor componentelor etajului amplificator de videofrecventa din televizorul portabil. Catedra de Electrotehnica I, 1976
4	Metoda de calcul al circuitelor neliniare in regim tranzitoriu cu aplicatii la studiul detectorului de videofrecventa din receptoarele de TV. Catedra de Electrotehnica I, 1976
5	Metode de calcul pentru retelele de conducte si canale. Laboratorul de Hidraulica din I.P.B., 1972
6	Model analogic pentru retelele de alimentare cu apa. Centrul de Cercetari Hidraulice, 1971.
7	Tranzistorometru portabil: studiu tehnico-economic si studiu de laborator. Institutul de Cercetari Electronice, 1969.
	<i>Contracte de cercetare/consultanță - membru în echipă</i>
1	Termosutien pentru detectia si localizarea cancerului de san 2016-2018
2	Proiectarea AO cu metode simbolice, Grant de excelenta, Universitatea Politehnica Bucuresti, 2017-2018
3	Bilantul electroenergetic la Intreprinderea "Munca Textila" Bucuresti. Catedra de Electrotehnica I, 1985-1987
4	Rezolvarea problemelor de cimp magnetic stationar cu aplicatii la masinile electrice si separatoarele magnetice. Catedra de Electrotehnica I, 1985
5	Analiza consumului de energie electrica la Intreprinderea de Osii si Boghiuri Bals (sectia otelarie). Catedra de Electrotehnica I, 1984
6	Bilantul electroenergetic al Intreprinderii de nutreturi combinate Bragadiru. Catedra de Electrotehnica I, 1982-1983
7	Determinarea performantelor si optimizarea caracteristicilor constructive ale separatoarelor magnetice. 1980-1981
8	Studiul transmiterii supratensiunilor in transformatoare Catedra de Electrotehnica I, 1978-1979

9	Separatoare magnetice cu mai multe rotoare. Catedra de Electrotehnica I, 1979-1980 (contract 304/1980).
10	Separatoare magnetice pentru nisipuri aluvionare: calculul cimpului magnetic si al performantelor de separare. Catedra de Electrotehnica I, 1977-1978
11	Studiul cimpului magnetic si al fenomenelor asociate in zona frontala a turbogeneratoarelor de mare putere. Catedra de Electrotehnica I, 1973-1978

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